



Oriental College Of Technology, Bhopal

Date: 17 June 2014

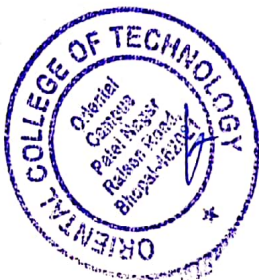
Policy of Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Test Score, with minimum of 60% attendance
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Exam Score $\geq 25/50$.
 - c. If one of the 2 criteria is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Carithree
17/06/14
Director, OCT

Copy to:

1. Academic Committee
2. All HoD's, OCT



Director
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name :

Enrollment No.

Branch :

Semester :

Address :

.....

.....

.....

City & Pin :

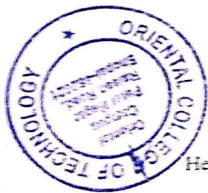
E-mail id :

Contact No :

Place :

Signature

Date :



Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Dr. L. K. Vishwamitra
octhodcse@oriental.ac.in
Mobile: +919630087969

COURSE COORDINATOR

Ms. Bhavna Gupta
Mobile: +919584559227

ORGANISING COMMITTEE MEMBERS

Mr. Sourabh Jain
Mr. Saket Gupta

CONTACT

Dr. L. K. Vishwamitra
octhodcse@oriental.ac.in
Mobile: +919630087969

Mr. Amit Dubey
Mobile: +919039911014

**Oriental College of Technology,
Bhopal**



Value Added Course

on

"C and C++"


[24-28, September, 2018]

For II -Year Students

Organized By

Department of Computer Science Engineering

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462021
Phone: 2529026, 2529057, Fax: 0755-2529472


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Computer Science is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The CS Department offers M.Tech Course in Computer Science Engineering along with

Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "C and C++" is Value Added course which will provide benefits to the participants in understanding many concepts in the field of programming and comprehending the algorithms behind technologies and their working.

OBJECTIVES & CONTENTS

C is a middle level programming language developed by Dennis Ritchie during the early 1970s while working at AT&T Bell Labs in USA. The objective of its development was in the context of the re-design of the UNIX operating system to enable it to be used on multiple computers.

The origin of C++ dates back to 1979 when Bjarne Stroustrup, also an employee of Bell AT & T, started working on language C with classes. He borrowed desirable features from many other languages like Simula, Ada, ML, CLU and ALGOL 68. Thus, in addition to features of C language, C++ also included classes, strong type checking, default function argument and basic inheritance. Till 1983, it was called C with classes, and in 1983 it was named C++. During 1998, a joint ANSI-ISO committee released the specification for C++ language standards.

- ✓ To learn the basics of programming in C and C++.
- ✓ To know the concept of OOPM.
- ✓ To know the basics of file handling, arrays and pointers in the program.
- ✓ Programs to solve real-world applications.

ELIGIBILITY

The Second year Students of Computer Science Engineering branch are eligible to attend the C and C++ programming course.

REGISTRATION

No Registration fees.

INVITED SPEAKERS

Mr. Amit Dubey
Associate Professor, Dept CSE, OCT Bhopal



Director
Oriental College of Technology
Thakral Nagar, Indore Road
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Oriental College of Technology, Bhopal

Department of Computer Science and Engineering

C & C++ Syllabus (CSE 20001)

Module 1-

*Introduction and First Program, Variables and Data type, Console IO Operations
Operators and Expressions*

Module 2-

Control Flow Statements, Working with Functions, Working with Arrays

Module 3

Pointers, String Handling

Module 4

Structures and Unions, File Handling

Module 5

Pre-Processor Directives, Command Line Arguments and Variable Arguments

Bhawans

Faculty Coordinator

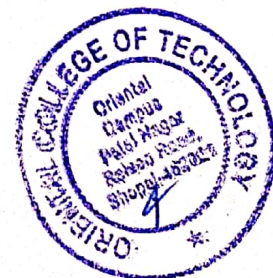
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Head of Department

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SCHEDULE- Value Added Course on C and C++(CSE20001)
5 Days Value Added Course on C and C++ [24-Sep-2018 To 28-Sep-2018]

24 Sep 2018 --Day-I

Time	Session	Instructor
9:30-10:00 AM	Inaugural Programme	
10:00-12:30PM	Introduction to C and C++	Mr. Amit Dubey
12:30-1:10PM	LUNCH	
01:10-3:10PM	Practice Session on C and C++ programming	Mr. Amit Dubey
3:10 -3:30PM	Break	
03:30-5:30PM	Introduction to Flow of control	Mr. Amit Dubey

25 Sep 2018--Day-II

Time	Session	Instructor
9:00-11:00AM	Practice Session on Flow of Control	Mr. Saket Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Introducing the working with functions and arrays	Mr. Amit Dubey
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session on Functions and Arrays	Ms Bhavna Gupta

26 Sep 2018--Day-III

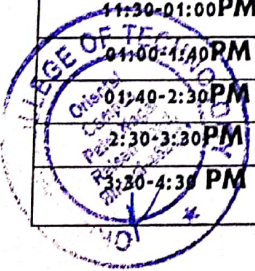
Time	Session	Instructor
9:00-11:00AM	Working with Pointers and String handling	Mr. Saket Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Practice session on programming with pointers	Ms Bhavna Gupta
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session on String Handling	Mr. Amit Dubey

27 Sep 2018--Day-IV

Time	Session	Instructor
9:00-11:00AM	Structures, Unions and File handling	Mr. Amit Dubey
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Saket Gupta
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session on File Handling	Ms Bhavna Gupta

28 Sep 2018--Day-V

Time	Session	Instructor
9:00-11:00AM	Introducing Pre-processor Directives, Command line and Variable Arguments	Mr. Saket Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Class Assessment	Mr. Saket Gupta
01:00-1:40PM	LUNCH	
01:40-2:30PM	Practice of overall session	Mr. Amit Dubey
2:30-3:30PM	Feedback from students	Ms Bhavna Gupta
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Amit Dubey



Director
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Head of Department
 Computer Science & Engineering
 Oriental College of Technology, Bhopal



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Department of Computer Science and Engineering

Marks Scored:

Semester: III Subject Name/Code: C and C++ (CSE 20001)

Max Marks: 50

Name of Student: _____ Enrollment No: _____

1 - What is the size of a boolean variable in C++?

- a) 1 bit b) 1 byte c) 4 bytes d) 2 bytes

2 Which of the following is C++ equivalent for printf()?

- a) cin b) cout c) print d) input

3 - Which of the following is an exit-controlled loop?

- a) for b) while c) do-while d) all of the mentioned

4 - What is dynamic binding?

- a) The process of linking the actual code with a procedural call during run-time
b) The process of linking the actual code with a procedural call during compile-time
c) The process of linking the actual code with a procedural call at any-time
d) All of the mentioned

5- What will be the output of the following program in both C and C++?

```
#include<stdio.h>
int main(int argc, char const *argv[])
{
    printf("%d\n", (int)sizeof('a'));
    return 0;
}
```

- a) Output in C is 1 and in C++ is 4 b) Output in C is 4 and in C++ is 1
c) Output in C is 1 and in C++ is 1 d) Output in C is 4 and in C++ is 4

6 The operator used for dereferencing or indirection is _____

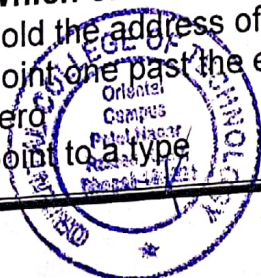
- a) *
b) &
c) ->
d) -->>

7. Choose the right option. String * x,y;

- a) x is a pointer to a string, y is a string
b) y is a pointer to a string, x is a string
c) both x and y are pointers to string types
d) y is a pointer to a string

8. Which one of the following is not a possible state for a pointer.

- a) hold the address of the specific object
b) point one past the end of an object
c) zero
d) point to a type



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9 What happens if the following line is executed in C and C++?--- Const int a;

Error in both C and C++

- b) Warning in both C and C++
- c) Error in C and successful execution in C++
- d) Error in C++ and successful execution in C

10 What is a function template?

- a) creating a function without having to specify the exact type
- b) creating a function with having an exact type
- c) creating a function without having blank spaces
- d) creating a function without class

11 Which is used to describe the function using placeholder types?

- a) template parameters
- b) template type parameters
- c) template type
- d) type parameters

12 Pick out the correct statement.

- a) you only need to write one function, and it will work with many different types
- b) it will take a long time to execute
- c) duplicate code is increased
- d) it will take a long time to execute & duplicate code is increased

13 Is bool a fundamental data type in C++?

- a) Yes
- b) No, it is a typedef of unsigned char
- c) No, it is an enum of {false, true}
- d) No, it is expanded from macros

14 Find the odd one out.

- a) std::vector<int>
- b) std::vector<short>
- c) std::vector<long>
- d) std::vector<bool>

15 For what values of the expression is an if-statement block not executed?

- a) 0 and all negative values
- b) 0 and -1
- c) 0
- d) 0, all negative values, all positive values except 1

16 Which of the two operators ++ and — work for the bool data type in C++?

- a) None
- b) ++
- c) —
- d) ++ & —

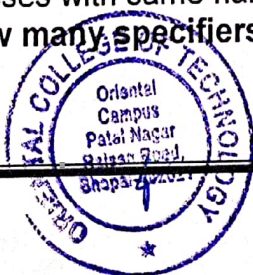
17 This set of C++ Programming Multiple Choice Questions & Answers (MCQs) focuses on "Inheritance – 1".

1. What is Inheritance in C++?

- a) Wrapping of data into a single class
- b) Deriving new classes from existing classes
- c) Overloading of classes
- d) Classes with same names

18 How many specifiers are used to derive a class?

- a) 1
- b) 2



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- c) 3
- d) 4

19 How many specifiers are used to derive a class?

- a) 1
- b) 2
- c) 3
- d) 4

20-What is a copy constructor?

- a) A constructor that allows a user to move data from one object to another
- b) A constructor to initialize an object with the values of another object
- c) A constructor to check the whether to objects are equal or not
- d) A constructor to kill other copies of a given object.

21-Why constructors are efficient instead of a function `init()` defined by the user to initialize the data members of an object?

- a) Because user may forget to call `init()` using that object leading segmentation fault
- b) Because user may call `init()` more than once which leads to overwriting values
- c) Because user may forget to define `init()` function
- d) All of the mentioned

22- What is a friend function in C++?

- a) A function which can access all the private, protected and public members of a class
- b) A function which is not allowed to access any member of any class
- c) A function which is allowed to access public and protected members of a class
- d) A function which is allowed to access only public members of a class

23-What happens if a user forgets to define a constructor inside a class?

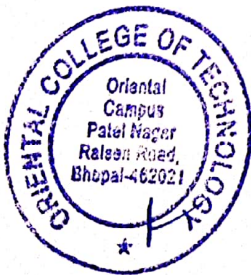
- a) Error occurs
- b) Segmentation fault
- c) Objects are not created properly
- d) Compiler provides a default constructor to avoid faults/errors

24- Which of the following is correct about friend functions?

- a) Friend functions use the dot operator to access members of a class using class objects
- b) Friend functions can be private or public
- c) Friend cannot access the members of the class directly
- d) All of the mentioned

25- Pick the correct statement.

- a) Friend functions are in the scope of a class
- b) Friend functions can be called using class objects
- c) Friend functions can be invoked as a normal function
- d) Friend functions can access only protected members not the private members

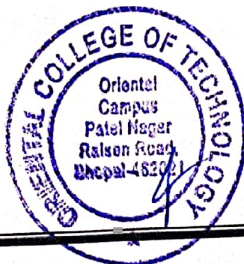


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C & C++ Syllabus (CSE 20001)

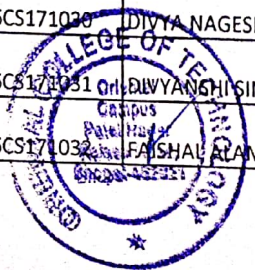
1. A
2. B
3. A
4. C
5. B
6. A
7. A
8. D
9. D
10. A
11. B
12. A
13. A
14. D
15. C
16. B
17. B
18. C
19. C
20. B
21. D
22. A
23. D
24. D
25. C



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ATTENDANCE SHEET

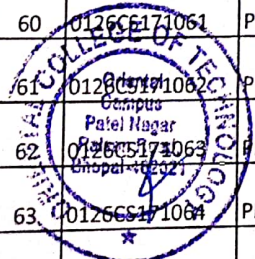
S.No	Enrollment No.	Student Name					
1	0126CS171001	ABHISHEK NEMA	Abhishek	Abhishek	A	Abhishek	A
2	0126CS171002	ABHISHEK PAWAR	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
3	0126CS171003	ABHISHEK YADAV	A	A	A	A	A
4	0126CS171004	ADITYA JAIN	Aditya	Aditya	Aditya	A	Aditya
5	0126CS171005	ADITYA RANA	A	A	A	A	A
6	0126CS171006	AISHWARYA DUBEY	Aishwarya	Aishwarya	A	Aishwarya	A
7	0126CS171007	AMITESH TIWARI	Amitesh	A	Amitesh	A	Amitesh
8	0126CS171008	ANIKET KUMAR	A	A	A	A	A
9	0126CS171009	ANJALI AGRAWAL	Anjali	A	Anjali	A	Anjali
10	0126CS171010	ANJALI JAIN	Anjali	Anjali	A	Anjali	A
11	0126CS171011	ANKIT KUMAR MISHRA	Ankit	A	Ankit	Ankit	Ankit
12	0126CS171012	ANMOL GUPTA	Anmol	Anmol	A	Anmol	Anmol
13	0126CS171013	ANSHIKA SINGH	Anshika	A	Anshika	A	Anshika
14	0126CS171014	ANSHUL PANDEY	Anshul	A	Anshul	Anshul	A
15	0126CS171015	ANSHUMAN MISHRA	A	Anshuman	Anshuman	Anshuman	Anshuman
16	0126CS171016	ANTARA	Antara	Antara	A	Antara	A
17	0126CS171017	ANUBHAV KUMARSINGH	A	A	A	A	A
18	0126CS171018	ANURAG KUMARSINGH	A	Anurag	Anurag	A	Anurag
19	0126CS171019	ANURAG SINGH	Anurag	A	Anurag	A	Anurag
20	0126CS171020	ARCHIT BAGHEL	Archit	A	Archit	Archit	A
21	0126CS171021	ARJUN RAJPUT	Arjun	A	Arjun	A	Arjun
22	0126CS171022	ARPIT OJHA	Arpit	A	Arpit	Arpit	Arpit
23	0126CS171023	ARPIT SINGH	Arpit	A	Arpit	A	Arpit
24	0126CS171024	ASHUTOSH SHARMA	Ashutosh	Ashutosh	A	Ashutosh	Ashutosh
25	0126CS171026	ASTHA JAIN	Astha	Astha	Astha	Astha	A
26	0126CS171027	ATISHAY SHRIVASTAVA	A	A	A	A	A
27	0126CS171028	DANISH SIDDIQUI	Danish	A	Danish	Danish	A
28	0126CS171029	DIPESH PATEL	A	A	A	A	A
29	0126CS171030	DIVYA NAGESHWAR	Divya	Divya	Divya	A	A
30	0126CS171031	DIVYANSHI SINGHAL	Divyanshi	Divyanshi	Divyanshi	Divyanshi	A
31	0126CS171032	FAISHAL RAMALAM	Faisal	Faisal	Faisal	A	Faisal



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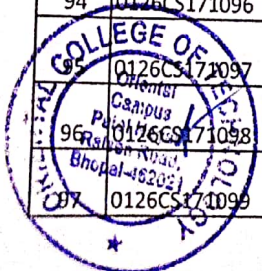
Department of Computer Science & Engineering

32	0126CS171033	FARHAN ALIGAUHAR	Ali	Ali	Ali	A	A
33	0126CS171034	GAURAV SINGH	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
34	0126CS171035	GOVINDA SAXENA	Govinda	Govinda	Govinda	Govinda	Govinda
35	0126CS171036	GURSUHAIL SINGHCHAWLA	Gursuhail	Gursuhail	Gursuhail	Gursuhail	Gursuhail
36	0126CS171037	HARISHANKER CHAUHAN	Harishanker	Harishanker	Harishanker	Harishanker	Harishanker
37	0126CS171038	HARSHIT KUMARSINGH	Harshit	Harshit	Harshit	Harshit	Harshit
38	0126CS171039	HARSHIT SHRIVASTAVA	Harshit	Harshit	Harshit	Harshit	Harshit
39	0126CS171040	INSHA ALI	Insha	Insha	Insha	Insha	Insha
40	0126CS171041	JAYA RAI	Jaya Rai	Jaya Rai	Jaya Rai	Jaya Rai	Jaya Rai
41	0126CS171042	KANHA GOYAL	Kanha	Kanha	Kanha	Kanha	Kanha
42	0126CS171043	KANIKA SINGH	Kanika	Kanika	Kanika	Kanika	Kanika
43	0126CS171044	KANISHAK RAGHUVEERTIWARI	Kanishak	Kanishak	Kanishak	Kanishak	Kanishak
44	0126CS171045	KHUSBU KUMARI	Khushbu	Khushbu	Khushbu	Khushbu	Khushbu
45	0126CS171046	KRITIK SHIVANSHU	Kritik	Kritik	Kritik	Kritik	Kritik
46	0126CS171047	KUNDAN KUMAR	Kundan	Kundan	Kundan	Kundan	Kundan
47	0126CS171048	LEELADHER YADUWANSHI	Leeladher	Leeladher	Leeladher	Leeladher	Leeladher
48	0126CS171049	MAYANK DUTTKAUSHIK	Mayank	Mayank	Mayank	Mayank	Mayank
49	0126CS171050	MILI AGRAWAL	Mili	Mili	Mili	Mili	Mili
50	0126CS171051	MOHD FAIZBAKHS	Mohd Faiz	Mohd Faiz	Mohd Faiz	Mohd Faiz	Mohd Faiz
51	0126CS171052	MOHIT KUMARGUPTA	Mohit	Mohit	Mohit	Mohit	Mohit
52	0126CS171053	NAWELI VERMA	Naweli	Naweli	Naweli	Naweli	Naweli
53	0126CS171054	NEHA SONPURE	Neha	Neha	Neha	Neha	Neha
54	0126CS171055	NEHAL DAVE	Nehal	Nehal	Nehal	Nehal	Nehal
55	0126CS171056	NIHAL GOUR	Nihal	Nihal	Nihal	Nihal	Nihal
56	0126CS171057	NISHANT KUMARBHARTI	Nishant	Nishant	Nishant	Nishant	Nishant
57	0126CS171058	NITISH BATHAM	Nitish	Nitish	Nitish	Nitish	Nitish
58	0126CS171059	P SUBRAMANIYAM	P	P	P	P	P
59	0126CS171060	PARIDHI THANTHARATE	Paridhi	Paridhi	Paridhi	Paridhi	Paridhi
60	0126CS171061	PIYUSH KUMAR	Piyush	Piyush	Piyush	Piyush	Piyush
61	0126CS171062	PRABHAT MISHRA	Prabhat	Prabhat	Prabhat	Prabhat	Prabhat
62	0126CS171063	PRACHI BOKDE	Prachi	Prachi	Prachi	Prachi	Prachi
63	0126CS171064	PRADHUMN PARASHAR	Pradhumn	Pradhumn	Pradhumn	Pradhumn	Pradhumn
64	0126CS171065	PRADUL JAIN	Pradul	Pradul	Pradul	Pradul	Pradul



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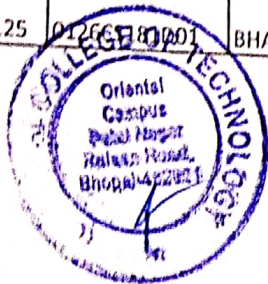
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66	0126CS171067	PRASOON NAMJOSHI	Prasoon	Prasoon	Prasoon	A	Prasoon
67	0126CS171068	PRAVALEE KHARE	A	Khare	Khare	Khare	A
68	0126CS171069	PURSHOTAM KUMAR	Purshotam Kumar	Purshotam Kumar	A	Purshotam Kumar	A
69	0126CS171070	RAHUL JAIN	Rajain	Rajain	Rajain	Rajain	Rajain
70	0126CS171071	RAJ KHANDWE	Raj	Raj	A	Raj	A
71	0126CS171072	RAJAT SINGHTHAKUR	A	Rajat	Rajat	Rajat	A
72	0126CS171073	RAJUL SHRIVASTAVA	Rajul	Rajul	Rajul	Rajul	A
73	0126CS171074	RANJEET YADAV	A	Ranjeet	Ranjeet	Ranjeet	A
74	0126CS171075	RASHI PARIHAR	Rashi	Rashi	Rashi	A	Rashi
75	0126CS171076	RASHI SHRIVASTAVA	Rashi	A	Rashi	A	Rashi
76	0126CS171077	RITESH TIKARE	Ritesh	Ritesh	Ritesh	A	A
77	0126CS171078	ROHIT TIWARI	A	A	A	A	A
78	0126CS171079	RUCHITA TIWARI	Ruchita	Ruchita	Ruchita	A	A
79	0126CS171080	SACHIN LALWANI	Sachin	A	Sachin	A	Sachin
80	0126CS171081	SAGARIKA BHANDARI	A	Sagarika	A	Sagarika	Sagarika
81	0126CS171082	SAKSHI SINGH	A	Sakshi	A	Singh	Singh
82	0126CS171083	SAMARTH GUPTA	Samarth	Samarth	Samarth	A	Samarth
83	0126CS171084	SAMBHAW JAIN	Sambhaw	Sambhaw	A	Sambhaw	A
84	0126CS171085	SANA SHEIKH	Sana	A	Sana	Sana	A
85	0126CS171086	SANGAM KUMARMISHRA	A	Sangam	A	Sangam	Sangam
86	0126CS171087	SAPAN DONGRE	Sapan	Sapan	Sapan	A	Sapan
87	0126CS171088	SAURABH MISHRA	Mishra	Mishra	A	Mishra	A
88	0126CS171089	SHAIKH ZIYADHASAN	Ziyad	A	Ziyad	A	Ziyad
89	0126CS171090	SHASHWAT DUBEY	Shashwat	A	Shashwat	Shashwat	A
90	0126CS171092	SHIVALIKA RAIKWAR	Shivalika	A	A	Shivalika	A
91	0126CS171093	SHIVAM PATEL	Shivam	A	Patel	Patel	Patel
92	0126CS171094	SHIVAM SHARMA	Shivam	A	Shivam	A	Shivam
93	0126CS171095	SHIVANSHU SHUKLA	A	A	A	A	A
94	0126CS171096	SHOURYA PATHAK	Shourya	A	Pathak	A	Pathak
95	0126CS171097	SHRACHI SAINI	Shrachi	A	Saini	Saini	Saini
96	0126CS171098	SHREYA GUPTA	Shreya	A	Shreya	Shreya	A
97	0126CS171099	SHREYANSH JAIN	Shreyansh	A	Jain	A	Jain



Oriental College of Technology
Thekral Nagar, Raisen Road
Bhopal

Department of Computer Science & Engineering
Oriental College of Technology

98	0126CS171100	SHRUTI MATHUR	Shruti	Shruti	Shruti	A	A
99	0126CS171101	SHUBHAM AWADHIYA	A	A	A	A	A
100	0126CS171102	SHUBHAM SHUKLA	A	Shukla	Shukla	A	Shukla
101	0126CS171103	SHWETA GUPTA	Shweta	A	Shweta	Shweta	Shweta
102	0126CS171104	SHWETA NAIR	Shweta	Shweta	A	Shweta	A
103	0126CS171105	SIDDHANT DUBEY	Siddhant	Siddhant	Siddhant	A	A
104	0126CS171106	SIMRAN JETHANI	Simran	A	Simran	A	Simran
105	0126CS171107	SOMYA AGRAWAL	Somya	Somya	A	A	Somya
106	0126CS171108	SONU RAJA	A	A	A	A	A
107	0126CS171109	SOUMYA GUPTA	A	A	A	A	A
108	0126CS171110	SOUMYA MADRELE	SN	SN	SN	A	SN
109	0126CS171111	SOURABH GEHLOT	Sourabh	A	Sourabh	A	Sourabh
110	0126CS171112	SPARSH KESHRI	Spars	A	Spars	A	Spars
111	0126CS171113	SUBRATO ROY	Subrat	Subrat	A	Subrat	Subrat
112	0126CS171114	SURBHI GARDE	Surbhi	A	Surbhi	A	Surbhi
113	0126CS171115	UJJWAL SRIVASTAVA	Ujjwal	A	Ujjwal	Ujjwal	Ujjwal
114	0126CS171116	UTKARSH SONI	Utkarsh	Utkarsh	A	Utkarsh	Utkarsh
115	0126CS171117	VAIBHAV KHARE	A	A	A	A	A
116	0126CS171118	VARUN TIWARI	Varun	Varun	Varun	Varun	Varun
117	0126CS171119	VEDANT RAIZADA	Vedant	A	Vedant	A	Vedant
118	0126CS171120	VIDHI AGNIHOTRI	Vidhi	Vidhi	A	Vidhi	A
119	0126CS171121	VIDHI GADEKAR	A	Vidhi	A	Vidhi	A
120	0126CS171122	VINEET SINGHBISEN	Vineet	Vineet	Vineet	Vineet	A
121	0126CS171123	VIPIN SINGH	Vipin	Vipin	Vipin	A	Vipin
122	0126CS171124	VIPUL AGRAWAL	A	Vipul	A	Vipul	Vipul
123	0126CS171125	YAMINI TIWARI	Yamini	A	Yamini	Yamini	A
124	0126CS171126	YASHRAJ SINGHJADON	Yashraj	Yashraj	Yashraj	Yashraj	Yashraj
125	0126CS171127	BHARTI DANGI (28th Aug Joined)	Bharti	A	Bharti	A	Bharti



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Director

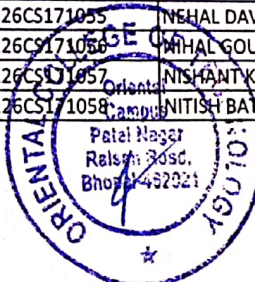
Oriental College of Technology
Patel Nagar, Raikar Road
Bhopal

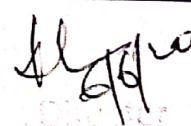
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Principal

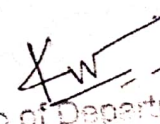
Oriental College of Technology, Bhopal
Computer Science & Engineering Department
Value Added Course: C & C++ , 24-28 Sept 2018
Course Code: CSE 20001

ASSESSMENT SHEET

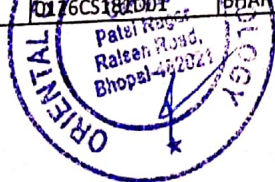
Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126CS171001	ABHISHEK NEMA	30	46	76	Eligible
2	0126CS171002	ABHISHEK PAWAR	28	44	72	Eligible
3	0126CS171003	ABHISHEK YADAV	A	A	0	Not Eligible
4	0126CS171004	ADITYA JAIN	42	43	85	Eligible
5	0126CS171005	ADITYA RANA	A	A	0	Not Eligible
6	0126CS171006	AISHWARYA DUBEY	32	45	77	Eligible
7	0126CS171007	AMITESH TIWARI	42	41	83	Eligible
8	0126CS171008	ANIKET KUMAR	A	A	0	Not Eligible
9	0126CS171009	ANJALI AGRAWAL	42	40	82	Eligible
10	0126CS171010	ANJALI JAIN	43	40	83	Eligible
11	0126CS171011	ANKIT KUMAR MISHRA	38	40	78	Eligible
12	0126CS171012	ANMOL GUPTA	37	40	77	Eligible
13	0126CS171013	ANSHIKA SINGH	35	45	80	Eligible
14	0126CS171014	ANSHUL PANDEY	45	44	89	Eligible
15	0126CS171015	ANSHUMAN MISHRA	35	40	75	Eligible
16	0126CS171016	ANTARA	42	40	82	Eligible
17	0126CS171017	ANUBHAV KUMARSINGH	A	A	0	Not Eligible
18	0126CS171018	ANURAG KUMARSINGH	42	40	82	Eligible
19	0126CS171019	ANURAG SINGH	38	40	78	Eligible
20	0126CS171020	ARCHIT BAGHEL	37	40	77	Eligible
21	0126CS171021	ARJUN RAJPUT	35	45	80	Eligible
22	0126CS171022	ARPIT OJHA	45	44	89	Eligible
23	0126CS171023	ARPIT SINGH	35	40	75	Eligible
24	0126CS171024	ASHUTOSH SHARMA	35	45	80	Eligible
25	0126CS171026	ASTHA JAIN	45	44	89	Eligible
26	0126CS171027	ATISHAY SHRIVASTAVA	A	A	0	Not Eligible
27	0126CS171028	DANISH SIDDIQUI	42	40	82	Eligible
28	0126CS171029	DIPESH PATEL	A	A	0	Not Eligible
29	0126CS171030	DIVYA NAGESHWAR	35	35	70	Eligible
30	0126CS171031	DIVYANSHI SINGHAL	42	40	82	Eligible
31	0126CS171032	FAISHAL ALAMALAM	38	40	78	Eligible
32	0126CS171033	FARHAN ALIGAUHAR	37	40	77	Eligible
33	0126CS171034	GAURAV SINGH	35	45	80	Eligible
34	0126CS171035	GOVINDA SAXENA	45	44	89	Eligible
35	0126CS171036	GURSUHAIL SINGHCHAWLA	35	40	75	Eligible
36	0126CS171037	HARISHANKER CHAUHAN	30	30	60	Eligible
37	0126CS171038	HARSHIT KUMARSINGH	35	35	70	Eligible
38	0126CS171039	HARSHIT SHRIVASTAVA	42	40	82	Eligible
39	0126CS171040	INSHA ALI	38	40	78	Eligible
40	0126CS171041	JAYA RAI	37	40	77	Eligible
41	0126CS171042	KANHA GOYAL	35	45	80	Eligible
42	0126CS171043	KANIKA SINGH	45	44	89	Eligible
43	0126CS171044	KANISHAK RAGHUVERTIWA	A	A	0	Not Eligible
44	0126CS171045	KHUSBU KUMARI	35	35	70	Eligible
45	0126CS171046	KRITIK SHIVANSHU	42	40	82	Eligible
46	0126CS171047	KUNDAN KUMAR	38	40	78	Eligible
47	0126CS171048	LEELADHER YADUWANSHI	37	40	77	Eligible
48	0126CS171049	MAYANK DUTTKAUSHIK	35	45	80	Eligible
49	0126CS171050	MILI AGRAWAL	45	44	89	Eligible
50	0126CS171051	MOHD FAIZBAKHS	35	40	75	Eligible
51	0126CS171052	MOHIT KUMARGUPTA	30	30	60	Eligible
52	0126CS171053	NAWELI VERMA	35	35	70	Eligible
53	0126CS171054	NEHA SONPURE	42	40	82	Eligible
54	0126CS171055	NEHAL DAVE	38	40	78	Eligible
55	0126CS171056	NIMHAL GOUR	37	40	77	Eligible
56	0126CS171057	NISHANT KUMARBHARTI	35	45	80	Eligible
57	0126CS171058	NITISH BATHAM	35	35	70	Eligible




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 Head of Department
 Computer Science & Engineering
 Oriental College of Technology, Bho

58	0126CS171059	P SUBRAMANIAM	42	40	82	Eligible
59	0126CS171060	PARIDHI THANTHARATE	38	40	78	Eligible
60	0126CS171061	PIYUSH KUMAR	35	35	70	Eligible
61	0126CS171062	PRADHAT MISHRA	42	40	82	Eligible
62	0126CS171063	PRACHI BOKDE	35	35	70	Eligible
63	0126CS171064	PRADHUMN PARASHAR	42	40	82	Eligible
64	0126CS171065	PRAJUL JAIN	38	40	78	Eligible
65	0126CS171066	PRAKHAR PANDEY	37	40	77	Eligible
66	0126CS171067	PRASOON NAMJOSHI	35	45	80	Eligible
67	0126CS171068	PRAVALEE KHARE	45	44	89	Eligible
68	0126CS171069	PURSHOTAM KUMAR	35	40	75	Eligible
69	0126CS171070	RAHUL JAIN	30	30	60	Eligible
70	0126CS171071	RAJ KHANDWE	35	35	70	Eligible
71	0126CS171072	RAJAT SINGHTHAKUR	42	40	82	Eligible
72	0126CS171073	RAJUL SHRIVASTAVA	38	40	78	Eligible
73	0126CS171074	RANJEET YADAV	37	40	77	Eligible
74	0126CS171075	RASHI PARIHAR	35	45	80	Eligible
75	0126CS171076	RASHI SHRIVASTAVA	45	44	89	Eligible
76	0126CS171077	RITESH TIKARE	42	40	82	Eligible
77	0126CS171078	ROHIT TIWARI	A	A	0	Not Eligible
78	0126CS171079	RUCHITA TIWARI	42	40	82	Eligible
79	0126CS171080	SACHIN LALWANI	35	35	70	Eligible
80	0126CS171081	SAGARIKA BHANDARI	42	40	82	Eligible
81	0126CS171082	SAKSHI SINGH	38	40	78	Eligible
82	0126CS171083	SAMARTH GUPTA	37	40	77	Eligible
83	0126CS171084	SAMBHAW JAIN	35	45	80	Eligible
84	0126CS171085	SANA SHEIKH	45	44	89	Eligible
85	0126CS171086	SANGAM KUMARMISHRA	35	40	75	Eligible
86	0126CS171087	SAPAN DONGRE	30	30	60	Eligible
87	0126CS171088	SAURABH MISHRA	35	35	70	Eligible
88	0126CS171089	SHAIKH ZIYADHASAN	42	40	82	Eligible
89	0126CS171090	SHASHWAT DUBEY	38	40	78	Eligible
90	0126CS171092	SHIVALIKA RAIKWAR	37	40	77	Eligible
91	0126CS171093	SHIVAM PATEL	35	45	80	Eligible
92	0126CS171094	SHIVAM SHARMA	45	44	89	Eligible
93	0126CS171095	SHIVANSHU SHUKLA	A	A	0	Not Eligible
94	0126CS171096	SHOURYA PATHAK	A	A	0	Not Eligible
95	0126CS171097	SHRACHI SAINI	35	45	80	Eligible
96	0126CS171098	SHREYA GUPTA	45	44	89	Eligible
97	0126CS171099	SHREYANSH JAIN	35	45	80	Eligible
98	0126CS171100	SHRUTI MATHUR	45	44	89	Eligible
99	0126CS171101	SHUBHAM AWADHIYA	A	A	0	Not Eligible
100	0126CS171102	SHUBHAM SHUKLA	42	40	82	Eligible
101	0126CS171103	SHWETA GUPTA	38	40	78	Eligible
102	0126CS171104	SHWETA NAIR	37	40	77	Eligible
103	0126CS171105	SIDDHANT DUBEY	35	45	80	Eligible
104	0126CS171106	SIMRAN JETHANI	45	44	89	Eligible
105	0126CS171107	SOMYA AGRAWAL	35	40	75	Eligible
106	0126CS171108	SONU RAJA	A	A	0	Not Eligible
107	0126CS171109	SOUMYA GUPTA	A	A	0	Not Eligible
108	0126CS171110	SOUMYA MADRELE	42	40	82	Eligible
109	0126CS171111	SOURABH GEHLOT	38	40	78	Eligible
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111	0126CS171113	SUBRATO ROY	42	40	82	Eligible
112	0126CS171114	SURBHI GARDE	38	40	78	Eligible
113	0126CS171115	UJJWAL SRIVASTAVA	37	40	77	Eligible
114	0126CS171116	UTKARSH SONI	42	40	82	Eligible
115	0126CS171117	VAIBHAV KHARE	A	A	0	Not Eligible
116	0126CS171118	VARUN TIWARI	35	35	70	Eligible
117	0126CS171119	VEDANT RAIZADA	42	40	82	Eligible
118	0126CS171120	VIDHI AGNIHOTRI	38	40	78	Eligible
119	0126CS171121	VIDHI GADEKAR	37	40	77	Eligible
120	0126CS171122	VINEET SINGHBISEN	35	45	80	Eligible
121	0126CS171123	VIPIN SINGH	45	44	89	Eligible
122	0126CS171124	VIPUL AGRAWAL	35	40	75	Eligible
123	0126CS171125	YAMINI TIWARI	30	30	60	Eligible
124	0126CS171126	YASHRAJ SINGHJADON	35	35	70	Eligible
125	0126CS180001	BHARTI DANGI (28th Aug Joi	42	40	82	Eligible



Signature: *[Handwritten Signature]*
 Oriental College of Technology
 Thakral Nagar, Indira Road
 Bhopal

Head of Department
 Computer Science & Engines
 Oriental College of Technology

Feedback Form

Value Added Course	C and C++ (CSE 20001)
Date:	24-28 Sep 2018
Program Location:	CSE Dept Oriental College of Technology, Bhopal
Presenter(s):	Mr. Amit Dubey

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

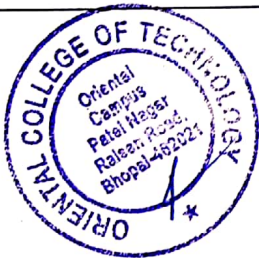
4= Strongly Agree

3= Agree

2= Disagree

1= Strongly Disagree

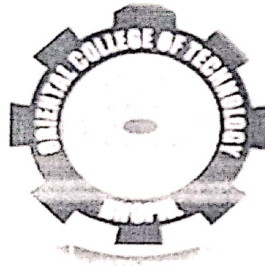
1. The Course objectives were stated clearly and met.	4 3 2 1
2. The Course was well organized.	4 3 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 3 2 1
6. The materials provided were sufficient & appropriate for the program.	4 3 2 1
7. The physical arrangements were adequate.	4 3 2 1




 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal

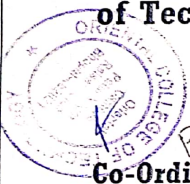
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Department of Computer Science & Engineering

This is to certify that Mr./Ms. ADITYA JAIN of CS-III Sem , OCT, Bhopal, has Successfully Completed the "Value Added Course" on "C and C++" during 24-28 Sept 2018 , organized by Computer Science and Engineering Department of Oriental College of Technology, Bhopal.



Bhadani
Co-Ordinator, CS, OCT

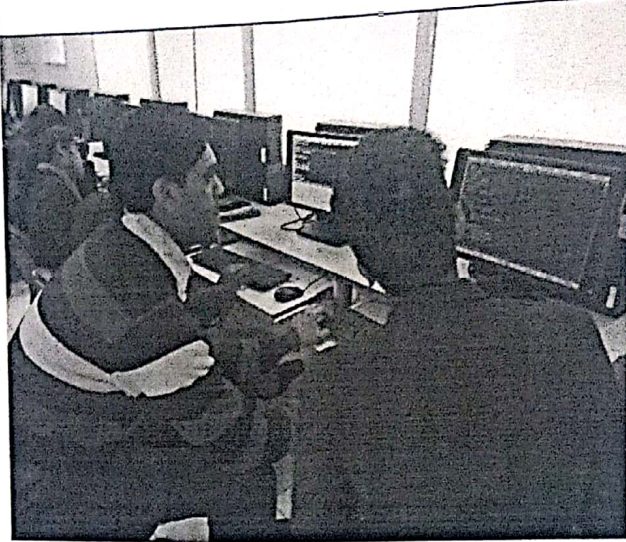
[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Head of Department, CS OCT

R Akhare

Director, OCT

Value Added Course	C and C++ (CSE 20001)
Date:	24-28 Sep 2018



Km
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal





ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on Value Added Course on "C and C++"

Date and Time: 24-28, September, 2018

Organized by: CSE, OCT, Bhopal

Name of the Speakers: Mr. Amit Dubey Associate Professor, Ms Bhavna Gupta, Assistant Professor, & Mr. Saket Gupta, Assistant Professor .

Participants Details: For II -Year Students

Venue: CSE, OCT Campus

Summary of the Event

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "C and C++" is Value Added course which will provide benefits to the participants in understanding many concepts in the field of programming and comprehending the algorithms behind technologies and their working.

The Department of Computer Science and Engineering Oriental College of Technology organized "Value Added Course on "C and C++" from 24 September, 2018 to 28 September, 2018 for the students of second year.

This Course syllabus was covered by Mr. Amit Dubey Associate Professor, Ms Bhavna Gupta, Assistant Professor and Mr. Saket Gupta, Assistant Professor CSE, OCT in 30 Hrs. of 5-Day program.

Inaugural Ceremony started by Director Speech on 24 th September, 2018 and this course is conducted as per schedule and on 28 th September, 2018 valedictory function was conducted.

Bhavna
Prof. Bhavna Gupta
Course Coordinator
CSE, OCT



Certified by
[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Phone No.-0755-2529015, 2529026
Fax: 0755-2529472
E-mail: director@octr.oriental.ac.in
Website: http://www.oriental.ac.in/oct-bhopal/

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in-person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if:
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Carill Anura
17/06/14

Director, OCT
Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT



Carill Anura
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....

Place:
Signature
Date:



Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mrs. Roopali SONi
octhodit@oriental.ac.in
Mobile: +919827042079

COURSE COORDINATOR

Mrs. Amita Pandit
Mobile: +918319454284
Mr. Sujeet Kumar
Mobile: +918602659579

ORGANISING COMMITTEE MEMBERS

Mr. Vishal Thakur
Mr. Avinash Sharma

CONTACT

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octhodit@oriental.ac.in
Mobile: +919827042079

Mr. Vishal Thakur
Mobile: +919826952872

**Oriental College of Technology,
Bhopal**



Value Added Course

on

“C and C++”

[10-15, September, 2018]

For II -Year Students

Organized By

Department of Information Technology

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462021
Phone:: 2529026, 2529057, Fax: 0755-2529472

Handwritten signature and stamp of the Head of Department, Department of Information Technology, Oriental College of Technology, Bhopal.

Handwritten signature and stamp of the Director, Oriental College of Technology, Thakral Nagar, Raisen Road, Bhopal.

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal - Jabalpur) India established in the year 1995 is a self-financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Information Technology is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the

Department is in the area of Software Engineering, Database Management Systems, Data Structures etc. The Information Technology Department offers Undergraduate Program (B.E/ B.Tech) with an intake 120 Students.

ABOUT THE COURSE

Information Technology department plays prominent role in every domain and vital role in development of Nation. C and C++ is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

The C and C++ is a programming Language used in variety of Programming fields and is a versatile language used in hardware programming and many fields.

ELIGIBILITY

The Second year Students of Information Technology branch are eligible to attend the Course on C and C++

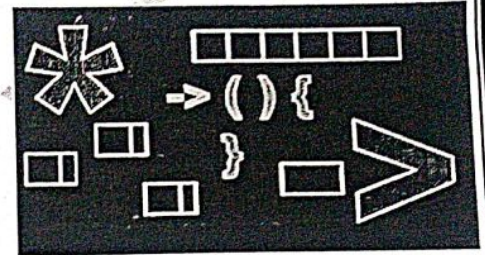
REGISTRATION

✓ No Registration fees.

SPEAKERS

Mrs. Amita Pandit
[Assistant Professor, Oriental College of
Technology, Bhopal]

&
Mr. Sujeet Kumar
[Assistant Professor, Oriental College of
Technology, Bhopal]



Head of Department
Information Technology
Oriental College of Technology, Bhopal

Director
7/6/20
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Department of Information Technology

Syllabus of Value Added Course on

C & C++

Module -1

- The C Language and its Advantages
- The Structure of a C Program
- Writing C Programs
- Building an Executable Version of a C Program
- Debugging a C Program
- Examining and Running a C Application Program
- Data Types and Variables Data Types
- Operands, Operators, and Arithmetic Expressions

Module -2

- Input/Output Management The Input/Output Concept
- Formatted Input Function
- Control-Flow Statements The Control-Flow Program Statements
- Looping Statements
- The Data-checking process
- Modular Programming with Functions The C Function
- Passing Data to Functions
- Passing an Address to Modify a Value in Memory
- Using Functions in the Checkbook Program

Module -3

- C Standard Library Functions
- Arrays, Pointers, and Strings Arrays, Pointers, Strings
- Using Arrays, Strings, and Pointers in the Checkbook Program
- Structures Structures
- Arrays of Structures
- Passing Structures to Functions
- Nesting Structures
- File Input/Output Command-line Arguments
- Combining Command-line

Module -4

- C++ classes Data members and member functions
- Creating objects
- Friends to a class
- Class Initialization
- Reference type arguments


Module -5

- Function overloading Operator overloading
- Copy constructor Assignment operator
- Template classes Static class members
- File streams

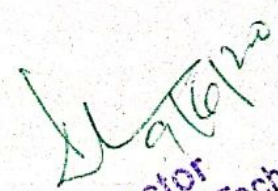
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 Information Technology
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- Inheritance Base classes and derived classes
- Inherited member access
- Base class initialization
- Protected members of a class
- Virtual functions Virtual destructors
- Virtual base classes Virtual base class member access
- Constructor and destructor ordering
- Exception handling try...throw...catch block
- Nested catch handlers


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SCHEDULE

5 Days Value Added Course on C and C++ [10-Sep-2018 To 15-Sep-2018]

10Sep 2018

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to C Language	Miss Amita pandit
12:30-1:10PM	LUNCH	
01:10-3:10PM	Structure of C program Writing C Parigrams	Miss Amita pandit
3:10 -3:30PM	Break	
03:30-5:30PM	Building an Executable Version of C program, Debugging a C program, Data Types and Variables Data Types	Miss Amita pandit

11Sep 2018

Time	Session	Teacher
9:00-11:00AM	Input /Output management ,Formatted Input Function ,Control Flow Statements, Looping Statements	Miss Amita pandit
11:00-11:30AM	Break	
11:30-01:00PM	Data checking process, Modular Programming , C functions	Miss Amita pandit
01:00-1:40PM	LUNCH	
01:40-4:30PM	Passing an Address to Modify a value in Memory, Using functions n Check book Program	Miss Amita pandit

12Sep 2018

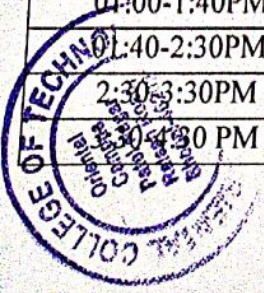
Time	Session	Teacher
9:00-11:00AM	C standard Library Functions	Miss Amita pandit
11:00-11:30AM	Break	
11:30-01:00PM	Arrays Pointers and Strings ,Pointers Strings	Miss Amita pandit
01:00-1:40PM	LUNCH	
01:40-4:30PM	Structures Nesting of Structures File Input and Output, Combining Command Line	Miss Amita pandit

14 Sep 2018

Time	Session	Teacher
9:00-11:00AM	Creating Objects ,New and Delete Operators Friends to a Class Initialization	Miss Amita pandit
11:00-11:30AM	Break	
11:30-01:00PM	Reference types and arguments	Miss Amita pandit
01:00-1:40PM	LUNCH	
01:40-4:30PM	Class Room Assessment	Miss Amita pandit

15Sep 2018

Time	Session	Teacher
9:00-11:00AM	Function Overloading, Operator Overloading	Miss Amita pandit
11:00-11:30AM	Break	
11:30-01:00PM	Template Class ,Inheritance ,Virtual Functions	Mr. Sujeet Kumar
01:00-1:40PM	LUNCH	
01:40-2:30PM	Exception Handling Nested catch handlers	Mr. Sujeet Kumar
2:30-3:30PM	Objective test	Mr. Sujeet Kumar
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Sujeet Kumar



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Objective type test on C and C++

Dated 15-Sept-2018


Branch:	Information Technology		Max. Marks-20
Semester:	III Semester		Time: 1 Hour
Subject:	Value added course on C and C++	Subject Code: IT 20001	
Note	All questions are compulsory		

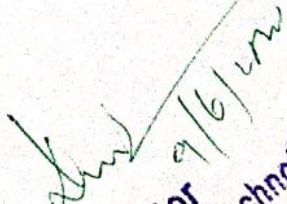
Max Marks 50

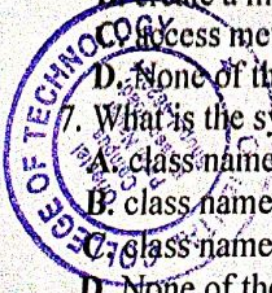
- Which of the following correctly declares an array?
A. int array[10];
B. int array;
C. array{10};
D. array array[10];
- What is the index number of the last element of an array with 9 elements?
A. 9
B. 8
C. 0
D. Programmer-defined
- Which of the following accesses the seventh element stored in array?
A. array[6];
B. array[7];
C. array(7);
D. array;
- Which of the following gives the memory address of the first element in array?
A. array[0];
B. array[1];
C. array(2);
D. array;
- What is the output of this program?

```
#include <stdio.h>
using namespace std;
int main()
{
char str[5] = "ABC";
cout << str[3];
cout << str;
return 0;
}
```


A. ABC
B. ABCD
C. AB
D. None of the mentioned
- What does inheritance allows you to do?
A. create a class
B. create a hierarchy of classes
C. access methods
D. None of the mentioned
- What is the syntax of inheritance of class?
A. class name
B. class name : access specifier
C. class name : access specifier class name
D. None of the mentioned


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many types of inheritance are there in c++?

- . 2
- B. 3
- C. 4
- D. 5

9. What is meant by containership?

- A. class contains objects of other class types as its members
- B. class contains objects of other class types as its objects
- C. both a & b
- D. none of the mentioned

10 How many types of constructor are there in C++?

- A. 1
- B. 2
- C. 3
- D. 4

11 How many constructors can present in a class?

- A. 1
- B. 2
- C. 3
- D. multiple

12 Where does the execution of the program starts?

- A. user-defined function
- B. main function
- C. void function
- D. none of the mentioned

13 What are mandatory parts in function declaration?

- A. return type, function name
- B. return type, function name, parameters
- C. both a and b
- D. none of the mentioned

14 Which of the following is used to terminate the function declaration?

- A. :
- B.)
- C. ;
- D. none of the mentioned

15 How many max number of arguments can present in function in c99 compiler?

- A. 99
- B. 90
- C. 102
- D. 127


16 The size of an object or a type can be determined using which operator?

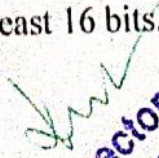
- a) malloc
- b) sizeof
- c) malloc
- d) calloc

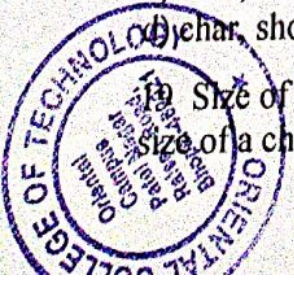
17 It is guaranteed that a _____ has at least 8 bits and a _____ has at least 16 bits.

- a) int, float
- b) char, int
- c) bool, char
- d) char, short

18 Size of C++ objects are expressed in terms of multiples of the size of a _____ and the size of a char is _____


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- a) char, 1
- b) int, 1
- c) float, 8
- d) char, 4

20 Identify the incorrect option.

- a) $1 \leq \text{sizeof}(\text{bool}) \leq \text{sizeof}(\text{long})$
- b) $\text{sizeof}(\text{float}) \leq \text{sizeof}(\text{double}) \leq \text{sizeof}(\text{long double})$
- c) $\text{sizeof}(\text{char}) \leq \text{sizeof}(\text{long}) \leq \text{sizeof}(\text{wchar}_t)$
- d) $\text{sizeof}(N) = \text{sizeof}(\text{signed } N) = \text{sizeof}(\text{unsigned } N)$

21 How many kinds of classes are there in c++?

- a) 1
- b) 2
- c) 3
- d) 4

22 What is meant by polymorphism?

- a) class having many forms
- b) class having only single form
- c) class having two forms
- d) class having four forms

23 How many types of inheritance are there in c++?


- a) 2
- b) 3
- c) 4
- d) 5

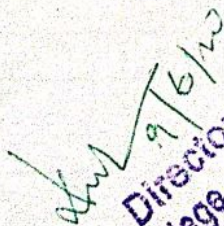
24 What is meant by multiple inheritance?

- a) Deriving a base class from derived class
- b) Deriving a derived class from base class
- c) Deriving a derived class from more than one base class
- d) Deriving a derived base class

25 Which symbol is used to create multiple inheritances?

- a) Dot
- b) Comma
- c) Dollar
- d) star



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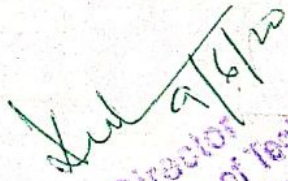

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Enrollment No	Student Name	10-Sep-18	11-Sep-18	12-Sep-18	13-Sep-18	14-Sep-18
0126IT171001	AAKARSH NEMA	Aknera	Aknera	Aknera	Aknera	Aknera
2 0126IT171002	AASTHA JAIN	Aastha	Aastha	Aastha	Aastha	Aastha
3 0126IT171003	ABHISHEK MISHRA	A	A	A	A	A
4 0126IT171004	AGYA MISHRA	Agya	Agya	Agya	Agya	Agya
5 0126IT171005	AKANKSHA TYAGI	A	A	A	A	A
6 0126IT171006	AMAN BAGHEL	Aman	A	Aman	A	Aman
7 0126IT171007	ANKIT KUMAR SHRIVASTAV	Ankit	Ankit	Ankit	Ankit	Ankit
8 0126IT171008	ANKIT MISHRA	Anu	Anu	Anu	Anu	Anu
9 0126IT171009	ANSHIKA GUPTA	Anshika	Anshika	Anshika	Anshika	Anshika
10 0126IT171010	ANUBHAV SINGH JADOUN	Anubhav	Anubhav	Anubhav	Anubhav	Anubhav
11 0126IT171011	ANUSHA RAJBANSHI	Anusha	Anusha	Anusha	Anusha	Anusha
12 0126IT171012	ARCHI JAIN	ARchi	ARchi	ARchi	ARchi	ARchi
13 0126IT171013	ARHAM SIDDIQUE	Acham	Acham	Acham	Acham	Acham
14 0126IT171014	ARPIT CHOUDHARY	Arpit	Arpit	Arpit	Arpit	Arpit
15 0126IT171015	ARYA AWASTHI	Arya	Arya	Arya	Arya	Arya
16 0126IT171016	ASHFAQ BEG	Ashfa	Ashfa	Ashfa	Ashfa	Ashfa
17 0126IT171017	AVANY KSHATRIYA	Avani	Avani	Avani	Avani	Avani
18 0126IT171018	DEEPESH KAURAV	Deepesh	Deepesh	Deepesh	Deepesh	Deepesh
19 0126IT171019	DEVANSH PATHAK	Devansh	Devansh	Devansh	Devansh	Devansh
20 0126IT171021	HARSH KUMAR NAGAR	H	H	H	H	H
21 0126IT171022	HARSH YADAV	Harsh	Harsh	Harsh	Harsh	Harsh
22 0126IT171023	KIRTISH BARMecha JAIN	Kirtish	Kirtish	Kirtish	Kirtish	Kirtish
23 0126IT171024	MD ADIL	Adil	Adil	Adil	Adil	A
24 0126IT171025	MOHIT SHARMA	M	M	M	M	M
25 0126IT171026	MUKESH KUMAR	M	M	M	M	M
26 0126IT171027	MUSKAN BHARGAVA	Muskan	Muskan	Muskan	Muskan	Muskan
27 0126IT171027	MUSKAN JAIN	Muskan	Muskan	Muskan	Muskan	Muskan
28 0126IT171029	NEHA CHOUDHARY	Neha	Neha	Neha	Neha	Neha
29 0126IT171030	PIYUSH JAGTAP	Piyush	Piyush	Piyush	Piyush	Piyush
30 0126IT171031	PRABHAV JAImAN PUROHIT	Prabh	Prabh	Prabh	Prabh	Prabh
31 0126IT171032	PRADYUMN JAIN	Prady	Prady	Prady	Prady	Prady
32 0126IT171033	PRANSHUL KHEMARIYA	Pransh	Pransh	Pransh	Pransh	Pransh
33 0126IT171034	PRATEEK MISHRA	A	A	A	A	A
34 0126IT171035	PRIYA PATEL	Priya	Priya	Priya	Priya	Priya
35 0126IT171036	RAHUL KUMAR	A	A	A	A	A
36 0176IT171037	RAVI RANJAN KUMAR	R	R	R	R	R
37 0126IT171038	RICHANSHU JAIN	Rjain	Rjain	Rjain	Rjain	Rjain
38 0126IT171039	SAMBHAV JAIN	S	S	S	S	S
39 0126IT171040	SARANSH GUPTA	Saransh	Saransh	Saransh	Saransh	Saransh
40 0126IT171041	SARVAGYA BADKUL	Sarvagya	Sarvagya	Sarvagya	Sarvagya	Sarvagya
41 0126IT171042	SATYAM KUMAR	Satyam	Satyam	Satyam	Satyam	Satyam

J43	SAURABH KUMAR	Sa	Sa	Sa	Sa	Sa
171044	SAURABH KUMAR VERMA	A	A	A	A	A
JIT171045	SHIVANSHU BHARGAVA	Shiv	Shiv	Shiv	Shiv	Shiv
126IT171046	SHUBHAM NEMA	Shu	Shu	Shu	Shu	Shu
0126IT171047	SHUDHANSHU KUMAR SINGH	A	A	A	A	A
47	0126IT171048	SOMIL GUPTA	Supta	Supta	Supta	Supta
48	0126IT171049	UTKARSH GUPTA	Ugupta	Ugupta	Ugupta	Ugupta
49	0126IT171050	VEDANT SINGH GAUTAM	V	V	V	V
50	0126IT171051	VIDHI SHARMA	Vidhi	Vidhi	Vidhi	Vidhi
51	0126IT171052	VIPUL PAWAR	Vipul	Vipul	Vipul	Vipul
52	0126IT171053	VISHAL NIKHORIYA	Vishal	Vishal	Vishal	Vishal
53	0126IT171054	YASH THAKUR	yash..	yash..	yash..	yash..


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DEPARTMENT OF INFORMATION TECHNOLOGY

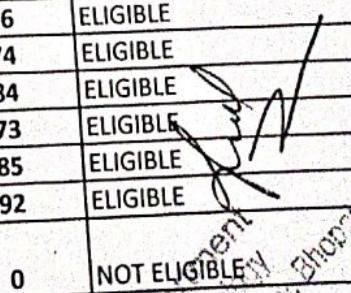
Course Code: IT 20001

Med Course: C & C++ Programming

ATTENDANCE SHEET

Session July-dec 2018

SEM: 3 SEM		Student Name	Class Room Assessment		Objective Type	Total	Eligible or Not eligible
Sl. No.	Enrollment No		50	50			
					29	59	ELIGIBLE
1	0126IT171001	AAKARSH NEMA	30	34	33	67	ELIGIBLE
2	0126IT171002	AASTHA JAIN	34	0	0	0	NOT ELIGIBLE
3	0126IT171003	ABHISHEK MISHRA	0	28	37	65	ELIGIBLE
4	0126IT171004	AGYA MISHRA	28	43	36	79	ELIGIBLE
5	0126IT171005	AKANKSHA TYAGI	43	11	38	49	NOT ELIGIBLE
6	0126IT171006	AMAN BAGHEL	11				
		ANKIT KUMAR SHRIVASTAV	30		32	62	ELIGIBLE
7	0126IT171007	ANKIT KUMAR SHRIVASTAV	30		22	42	NOT ELIGIBLE
8	0126IT171008	ANKIT MISHRA	20		40	71	ELIGIBLE
9	0126IT171009	ANSHIKA GUPTA	31				
		ANUBHAV SINGH JADOUN	45		39	84	ELIGIBLE
10	0126IT171010	ANUBHAV SINGH JADOUN	45		27	64	ELIGIBLE
11	0126IT171011	ANUSHA RAJBANSHI	37		43	90	ELIGIBLE
12	0126IT171012	ARCHI JAIN	47		34	70	ELIGIBLE
13	0126IT171013	ARHAM SIDDIQUE	36		20	48	NOT ELIGIBLE
14	0126IT171014	ARPIT CHOUDHARY	28		35	72	ELIGIBLE
15	0126IT171015	ARYA AWASTHI	37		30	78	ELIGIBLE
16	0126IT171016	ASHFAQ BEG	48		34	65	ELIGIBLE
17	0126IT171017	AVANY KSHATRIYA	31		49	91	ELIGIBLE
18	0126IT171018	DEEPESH KAURAV	42		28	71	ELIGIBLE
19	0126IT171019	DEVANSH PATHAK	43				
		HARSH KUMAR NAGAR	28		39	67	ELIGIBLE
20	0126IT171021	HARSH KUMAR NAGAR	28		27	70	ELIGIBLE
21	0126IT171022	HARSH YADAV	43				
		KIRTISH BARMECHA JAIN	41		36	77	ELIGIBLE
22	0126IT171023	KIRTISH BARMECHA JAIN	41		0	32	NOT ELIGIBLE
23	0126IT171024	MD ADIL	32		30	67	ELIGIBLE
24	0126IT171025	MOHIT SHARMA	37		29	65	ELIGIBLE
25	0126IT171026	MUKESH KUMAR	36		27	66	ELIGIBLE
26	0126IT171027	MUSKAN BHARGAVA	39		41	88	ELIGIBLE
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28	0126IT171029	NEHA CHOUDHARY	41		37	66	ELIGIBLE
29	0126IT171030	PIYUSH JAGTAP	29				
		PRABHAV JAIMAN PUROHIT	33		46	79	ELIGIBLE
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31	0126IT171032	PRADYUMN JAIN	38				
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37	0126IT171038	RICHANSHU JAIN	48		31	74	ELIGIBLE
38	0126IT171039	SAMBHAV JAIN	43		49	84	ELIGIBLE
39	0126IT171040	SARANSH GUPTA	35		37	73	ELIGIBLE
40	0126IT171041	SARVAGYA BADKUL	36		40	85	ELIGIBLE
41	0126IT171042	SATYAM KUMAR	45		48	92	ELIGIBLE
42	0126IT171043	SAURABH KUMAR	44				
		SAURABH KUMAR VERMA	0		0	0	NOT ELIGIBLE
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		SHIVANSHU BHARGAVA	45		34	79	ELIGIBLE
44	0126IT171045	SHIVANSHU BHARGAVA	45		33	68	ELIGIBLE
45	0126IT171046	SHUBHAM NEMA	35				


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171047	SHUDHANSHU KUMAR SINGH	0	0	0	NOT ELIGIBLE
171048	SOMIL GUPTA	30	33	63	ELIGIBLE
171049	UTKARSH GUPTA	44	46	90	ELIGIBLE
0126IT171050	VEDANT SINGH GAUTAM	26	46	72	ELIGIBLE
0126IT171051	VIDHI SHARMA	46	37	83	ELIGIBLE
0126IT171052	VIPUL PAWAR	40	36	76	ELIGIBLE
0126IT171053	VISHAL NIKHORIYA	29	29	58	ELIGIBLE
0126IT171054	YASH THAKUR	31	34	65	ELIGIBLE

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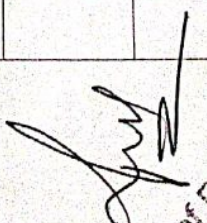
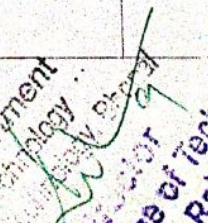
Course Evaluation/ Feedback Form

Value Added Course / Special course	C and C++
Duration	10 to 15 September 2018
Venue	Oriental College of Technology, Bhopal
Presenter(s):	Mrs Amita Pandit, Mr Sujeet Kumar

Please respond to the following statements by using the ✓ mark to indicate the extent to which you agree or disagree with each statement.

Content	Excellent	Very Good	Good	Fair	Poor
Course Content	✓				
The instructor's contribution to the course was:		✓			
Subject Knowledge of Instructor	✓				
Course Organization was:		✓			
Delivery of Instructor			✓		
Instructor's use of examples and illustrations was:	✓				
Quality of questions or problems raised by the instructor was:		✓			
Student's confidence in instructor's knowledge was:			✓		
Instructor's enthusiasm was:	✓				
Encouragement given to students to participate was:		✓			
Answers to student questions were:			✓		
Availability of extra help when needed was:	✓				
Use of class time was:		✓			
Instructor's interest in student's progress was:			✓		
Amount you learned was:	✓				
Clarity of student requirements was:		✓			
Intellectual challenge was:	✓				




 Head of Department
 Information Technology
 Oriental College of Technology, Bhopal

 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Rd
 Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



DEPARTMENT OF INFORMATION TECHNOLOGY

Session: 2018-19

CERTIFICATE

This is to certify that Mr./Ms Piyush Jagtap of IT III Semester, OCT, Bhopal, has ~~Successfully~~
Completed the "Value Added Course" on "C & C++" during 10-15 Sept 2018, ~~organized by~~

Department of Information Technology, Oriental College of Technology, Bhopal.



Co-Ordinator, IT, OCT

Head of Department,
Information Technology,
Oriental College of Technology, Bhopal

Director, OCT

Director
Oriental College of Technology,
Patel Nagar, Raisen Road,
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Information Technology



Report on Value Added Course on C and C++

Date and Time: 10 September , to 15 September , 2018. **Venue:** Department of Information Technology ,OCT Campus, Bhopal. **Organized by:** Information Technology Department, OCT , Bhopal. **Name of the Speakers:** The speakers were from Department of Information Technology OCT , Bhopal they are Mrs Amita Pandit and Mr Sujeet Kumar. **Participants Details:** The students participated were Second Year Students

Summary of the Event

The value added courses adds value to the basic ongoing degree program. The students get an insight into the technological advancements and the recent trends that are prevailing in the outside world which gives an added benefit to the placement and gives added advantages to the employment opportunities of the students

The course is divided into five modules and at the end there was an assessment by which the students are awarded certificates.

On 10 September 2018 , the course started with the inaugural and presidential speech of Director, Oriental College of Technology. In his presidential speech emphasized on the need to collaborate the academic and the non academic education.

The course was conducted strictly according to the schedule and at last the convener of the course gave away the vote of thank.. At the end the convener thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Roopali Soni

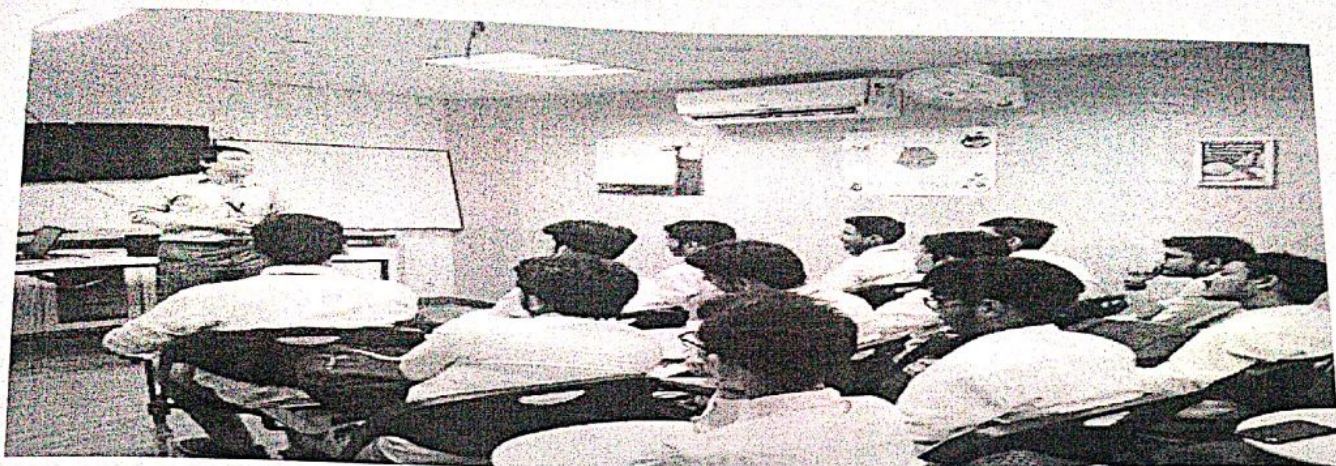
Course Convener

IT, OCT



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

10-15 sep 2018



Director

Oriental College of Technology
Thakrai Nagar, Raisen Road
Bhopal





Phone No.-0755-2529015, 2529026
Fax: 0755-2529472
E-mail: directoroct@oriental.ac.in
Website: <http://www.oriental.ac.in/oct-bhopal/>

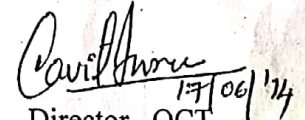
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.



Director, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address:.....

.....

.....

.....

City & Pin.....

E-mail id.....

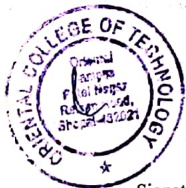
Contact No:.....

.....

Place:

Signature

Date:



Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mr. Arvind Sahu
octhodec@oriental.ac.in
Mobile: +919826944301

COURSE COORDINATOR

Mr. Abhigyanam Giri
Mobile: 7566601006
Mr. Amish Jha
Mobile: +919098715184

ORGANISING COMMITTEE MEMBERS

Mr. Kapil Gupta
Mr. Prateek Tiwari

CONTACT

Mr. Arvind Sahu
octhodec@oriental.ac.in
Mobile: +919826944301

Mr. Amish Jha
Mobile: +919098715184

**Oriental College of Technology,
Bhopal**



Value Added Course

on

"PCB Designing"

[24-28, September, 2018]

For II -Year Students

In Association with



IndEyes

Organised By

Department of Electronics & Communication
Engineering

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462021
Phone:: 2529026, 2529057, Fax: 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses, The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Electronics & Communication is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the

Department is in the area of VLSI, Arduino & Embedded System.

The EC Department offers M.Tech Course in Electronics along with Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Electronics & Communication Engineering plays prominent role in every domain and vital role in development of Nation. "PCB Designing" is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

A PCB is sort of like a layer cake, there are alternating layers of different materials which are laminated together with heat and adhesive such that the result is a single object.

- ✓ To know latest's trends in PCB Designing.
- ✓ To know the basics of bread board.
- ✓ To know the basics of layout designing through software.
- ✓ To know the basics of etching, drilling, component mounting, testing procedure.

ELIGIBILITY

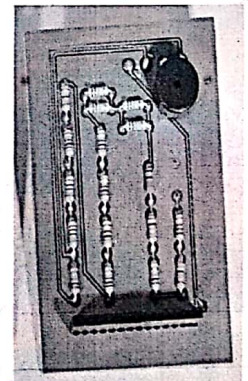
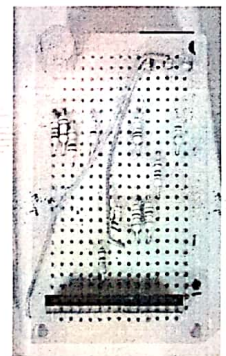
The Second year Students of Electronics & Communication Engineering branch are eligible to attend the PCB designing course.

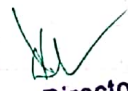
REGISTRATION

- ✓ No Registration fees.

INVITED SPEAKERS

Mr. Abhigyanam Giri
Director, Ind Eyes Pvt. Ltd. Bhopal




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College of Technology, Bhopal

Electronics & Communication Engineering

Value Added Course: PCB Designing

Course Code: EC 20001

Module 1

Computerized capture of electronic designs

Introduction to all types of electronics components, bread board and testing/measuring instruments. Practical verification of electronic components with Multimeter. Creation of symbolic representation of circuits (schematic diagram), Searching, loading and, placing of components, Wiring connections between components, Updating component, information in PCB layout (Auto packaging), Different tools used for PCB designing

Module 2

Introduction to PCB Layout

PCB Structure and Standards, Tracks, Pads and Vias, Netlist, Design of PCB layout of a circuit, Define the Board Outline, etching & drilling of PCB, Place the components, Routing of the components Manual and Automatic, Detection and repair of Design rules violation, clearance errors and missing or incomplete connections, 3D View of the designed board.

Module 3

Analysis Components

Debugging Tools, Thermal Analysis and Electromagnetic Analysis, Multisim MCU Module, Source Code Editor, MCU Design Overview, MCU Wizard, Building an MCU Workspace, Errors and Warnings, Simulation of Machine Code File, Multisim MCU Module Source Code Editor, Opening a Debug View, Debug Window Settings, Simulation Markers, Breakpoints, Memory View, Miscellaneous Problem for Multisim.

Module 4

PCB Designings


Making circuit on PCB Design Software, Deploying basic circuits from paper to schematic window Testing the schematic for errors, Making Board Layout, Checking for errors and finalizing layout

Module 5

Testing and Trouble shooting


Testing and troubleshooting once your PCB is ready, Various trouble shooting techniques.

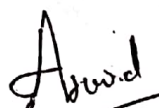



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SCHEDULE		
5 Days Value Added Course on PCB Designing [24-Sep-2018 To 28-Sep-2018]		
24 Sep 2018		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to Bread Board	Mr. Abhigyanam
12:30-1:10PM	LUNCH	
01:10-3:10PM	Practice Session on Bread Board	Mr. Abhigyanam
3:10 -3:30PM	Break	
03:30-5:30PM	Introduction to PCB	Mr. Abhigyanam
25 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Practice Session on PCB	Mr. Amish Jha
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session on PCB including layout designing through software	Mr. Abhigyanam
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session on PCB including layout pasting over PCB	Mr. Abhigyanam
26 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Etching & Drilling of PCB	Mr. Kapil Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Component mounting	Mr. Amish Jha
01:00-1:40PM	LUNCH	
01:40-4:30PM	Testing of PCB	Mr. Abhigyanam
27 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Assignment :Designing of multivibrator	Mr. Abhigyanam
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Amish Jha
01:00-1:40PM	LUNCH	
01:40-4:30PM	Testing of PCB	Mr. Kapil Gupta
28 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Assignment :Designing of Digital Lock Code [0011]	Mr. Kapil Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Kapil Gupta
01:00-1:40PM	LUNCH	
01:40-2:30PM	Testing of PCB and Assignment submission	Mr. Abhigyanam
2:30-3:30PM	Feedback from students	Mr. Abhigyanam
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Abhigyanam




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Value Added Course on PCB Designing Objective Test, Date: 28-Sep-2018

Branch:	Electronics & Communication Engineering		
Semester:	Third Semester	Max. Marks-50 Minimum Marks:25	
Subject:	PCB Designing	Subject Code: EC 20001	Time: 1:30Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		


- The temperature range for soldering process is.....
 - 40°C to 100°C
 - 180°C to 250°C
 - 300°C to 500°C
 - 600°C to 900°C
 - 1000°C to 2000°C
- A soldering iron 'bit' is made of.....
 - Brass
 - Tin
 - Steel
 - Copper
- Heat for soldering process is supplied by.....
 - Soldering iron
 - Induction furnace
 - Electric resistance method
 - Any of the above
- Soldering iron is made of wedge shape in order to
 - Apply high pressure at edge
 - Retain heat
 - Retain solder
 - Arc welding
- The purpose of using flux in soldering is to.....
 - Increase fluidity of solder metal
 - Fill up gaps left in a bad joint
 - Carbon steel
 - Prevent oxides forming
 - Wash away surplus solder
- Brazing is the process of.....
 - Joining plastic sheets
 - Hard soldering using brass spelter
 - Casting in brass
 - Making steel look like brass
 - Any of the above




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7. The commonly used flux for brazing is.....
A. Resin
B. NH_4Cl
C. Borax
D. Soft iron
8. The temperature range of brazing process is.....
A. 150°C to 250°C
B. 250°C to 450°C
C. 500°C to 700°C
D. 700°C to 900°C
E. 1000°C to 2000°C
8. The purpose of using borax in brazing is to.....
A. Replace flux
B. Dissolve oxides when heating the work
C. Accelerate the formation of oxides on the work
D. Prevent the spelter from melting too quickly
E. Increase the fluidity of brazing process
9. The flux in brazing process is used in the form of.....
A. Powder
B. Liquid
C. Paste
D. Any of the above
E. None of the above
10. What is the ratio of tin & lead in soldering metal alloy?
a) 50% & 30%
b) 20% & 80%
c) 10% & 90%
d) 60% & 40%
12. Resistibility has a relation with
a) Length of the material
b) Width of the material
c) Cross section area of the material
d) All of them
13. Color code for 1 ohm resistance is
a) Black, Brown, Gold
b) Brown, Black, Gold
c) Both of them
d) None of them
14. If a circuit uses 1200 volts at 800mA, what is the input power?
a) 1000 Watts
b) 554 Watts
c) 300 Watts
d) 960 Watts
15. The three basic meters- voltmeter, ammeter and ohmmeter combined into a case are known as a:
a) Kilometer
b) Wavemeter
c) Wattmeter
d) Multimeter




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16. The unit of electrical charge is

- a)Coulomb
- b)Newton
- c)Ampere
- d)Volt

17. Bend the leads of component at _____ degree angle with PCB.

- a)40
- b)50
- c)35
- d)45

18. If colour code is Red, Brown, Red, Silver then value of R is,

- a) 21K ohm, 5%
- b)22 ohm, 5%
- c)2100 ohm, 10%
- d) 2.2K ohm, 10%


19. A potentiometer is a :

- a)Variable power supply
- b)Variable resistor
- c)Variable capacitor
- d) Meter for measuring potential difference

20. Below mentioned material is used during PCB designing

- a)FeCl₃
- b)AlCl₃
- c)Both of above
- d)None of above




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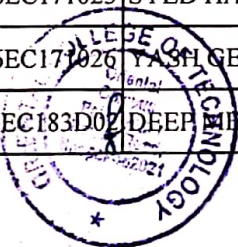
Electronics & Communication Engineering Department

Value Added Course: PCB Designing

Course Code: EC 20001

ATTENDANCE SHEET

Sr.No.	Enroll NO.	Name of Student	24-Sep-18	25-Sep-18	26-Sep-18	27-Sep-18	28-Sep-18
1	0126EC171001	ABHISHEK PRASAD	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	0126EC171002	ADARSH PATHAK	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
3	0126EC171004	AMARESH OJHA	Amaresh	Amaresh	Amaresh	A	Amaresh
4	0126EC171005	AMIT SAHU	Amit	Amit	Amit	Amit	Amit
5	0126EC171006	ANIMESH NANDAN	Animesh	Animesh	Animesh	Animesh	Animesh
6	0126EC171007	ANJALI BATTRA	Anjali	Anjali	Anjali	A	Anjali
7	0126EC171008	ANKIT	Ankit	Ankit	Ankit	Ankit	Ankit
8	0126EC171009	ANKIT KUMAR	Ankit	A	Ankit	Ankit	Ankit
9	0126EC171010	ASHISH KUMAR	Ashish	Ashish	Ashish	Ashish	Ashish
10	0126EC171011	DHEERAJ MALVIYA	A	A	A	A	A
11	0126EC171012	HARSH BEHERE	Harsh	Harsh	Harsh	A	Harsh
12	0126EC171013	HARSHAL SAIYAM	Harshal	A	Harshal	A	Harshal
13	0126EC171014	HIMANSHU RAHANGDALE	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu
14	0126EC171015	JUHI AWASTHI	Juhi	Juhi	Juhi	Juhi	Juhi
15	0126EC171016	KAJAL WANI	Kajal	A	Kajal	Kajal	Kajal
16	0126EC171017	MARIYAM ALI KHAN	Mariyam	Mariyam	Mariyam	Mariyam	Mariyam
17	0126EC171018	NIKITA GUPTA	Nikita	Nikita	Nikita	Nikita	Nikita
18	0126EC171019	PAVAN TRIVEDI	Pavan	A	Pavan	Pavan	Pavan
19	0126EC171020	SANDHYA TIWARI	Sandhya	Sandhya	Sandhya	Sandhya	Sandhya
20	0126EC171021	SAURABH SINGH	Saurabh	A	Saurabh	Saurabh	Saurabh
21	0126EC171022	SHUBHAM SINGH	Shubham	Shubham	Shubham	Shubham	Shubham
22	0126EC171023	STUTI PATERIYA	A	A	A	A	A
23	0126EC171024	SUPRIYA PATEL	Supriya	Supriya	Supriya	Supriya	Supriya
24	0126EC171025	SYED HAMZA HUSAIN	Hamza	Hamza	Hamza	Hamza	Hamza
25	0126EC171026	YASH GEDA	Yash	Yash	Yash	Yash	Yash
26	0126EC183D02	DEEPA BHER	A	A	A	A	A



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Oriental College of Technology
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Head of Department
Electronics & Communication Engineering
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Oriental College of Technology, Bhopal

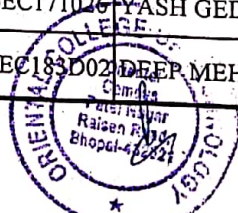
Electronics & Communication Engineering Department

Value Added Course: PCB Designing , 24-28 Sep 2018

Course Code: EC 20001

ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126EC171001	ABHISHEK PRASAD	30	30	60	Eligible
2	0126EC171002	ADARSH PATHAK	35	35	70	Eligible
3	0126EC171004	AMARESH OJHA	42	40	82	Eligible
4	0126EC171005	AMIT SAHU	38	40	78	Eligible
5	0126EC171006	ANIMESH NANDAN	37	40	77	Eligible
6	0126EC171007	ANJALI BATTRA	35	45	80	Eligible
7	0126EC171008	ANKIT	45	47.5	92.5	Eligible
8	0126EC171009	ANKIT KUMAR	35	40	75	Eligible
9	0126EC171010	ASHISH KUMAR	45	40	85	Eligible
10	0126EC171011	DHEERAJ MALVIYA	A	A	0	Not Eligible
11	0126EC171012	HARSH BEHERE	45	45	90	Eligible
12	0126EC171013	HARSHAL SAIYAM	30	48	78	Eligible
13	0126EC171014	HIMANSHU RAHANGDALE	35	40	75	Eligible
14	0126EC171015	JUHI AWASTHI	35	40	75	Eligible
15	0126EC171016	KAJAL WANI	38	40	78	Eligible
16	0126EC171017	MARIYAM ALI KHAN	32	45	77	Eligible
17	0126EC171018	NIKITA GUPTA	31	47.5	78.5	Eligible
18	0126EC171019	PAVAN TRIVEDI	40	42.5	82.5	Eligible
19	0126EC171020	SANDHYA TIWARI	35	42.5	77.5	Eligible
20	0126EC171021	SAURABH SINGH	26	40	66	Eligible
21	0126EC171022	SHUBHAM SINGH	28	40	68	Eligible
22	0126EC171023	STUTI PATERIYA	A	A	0	Not Eligible
23	0126EC171024	SUPRIYA PATEL	40	47.5	87.5	Eligible
24	0126EC171025	SYED HAMZA HUSAIN	35	40	75	Eligible
25	0126EC171026	YASH GEDA	29	40	69	Eligible
26	0126EC183002	DEEP MEHER	A	A	0	Not Eligible



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Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal
25/9/2018

Course Evaluation/ Feedback Form


Value Added Course	PCB Designing
Date:	24-28 Sep 2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Abhigyanam

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4 3 2 1 ✓
2. The Course was well organized.	4 3 2 1 ✓
3. The information and/or skills presented were relevant and useful	4 3 2 1 ✓
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1 ✓
5. The presenter(s) allowed me to work with and learn from others.	4 3 2 1 ✓
6. The materials provided were sufficient & appropriate for the program.	(4) 3 2 1
7. The physical arrangements were adequate.	4 3 2 1 ✓




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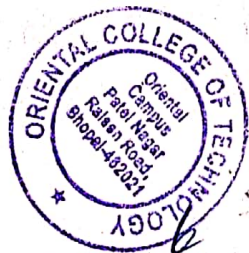
Course Evaluation/ Feedback Form


Value Added Course	PCB Designing
Date:	24-28 Sep 2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Abhigyanam

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4 3 2 1
2. The Course was well organized.	4 (3) 2 1
3. The information and/or skills presented were relevant and useful	4 (3) 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 (3) 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 (3) 2 1
6. The materials provided were sufficient & appropriate for the program.	4 (3) 2 1
7. The physical arrangements were adequate.	4 (3) 2 1




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 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Certificate of Completion

This is to certify that Mr./Ms. AMARESH OJHA of EC-III Sem, OCT, Bhopal, has Successfully Completed the “*Value Added Course*” on “*PCB Designing*” during 24-28 Sep 2018, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

Coordinator, IndEyes



Head of Department, EC, OCT Bhopal

Director
Oriental College of Technology
Thakral Nagar, Raisen Road

Director, OCT



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Certificate of Completion

This is to certify that Mr./Ms. JUHI AWASTHI of EC-III Sem, OCT, Bhopal, has Successfully Completed the “Value Added Course” on “PCB Designing” during 24-28 Sep 2018, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

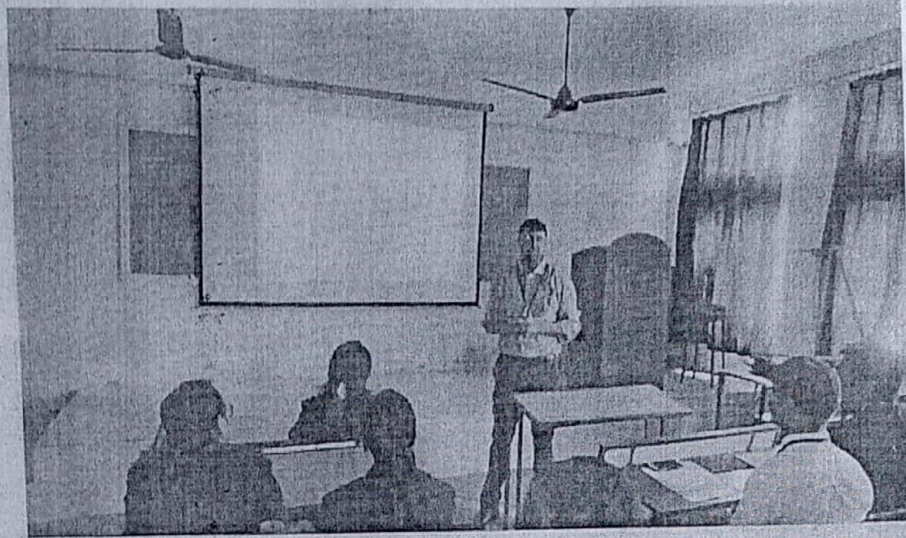
Coordinator, IndEyes



Head of Department, EC, OCT

Director
Oriental College of Technology
Thakral Nagar, Raissa Road
Bhopal

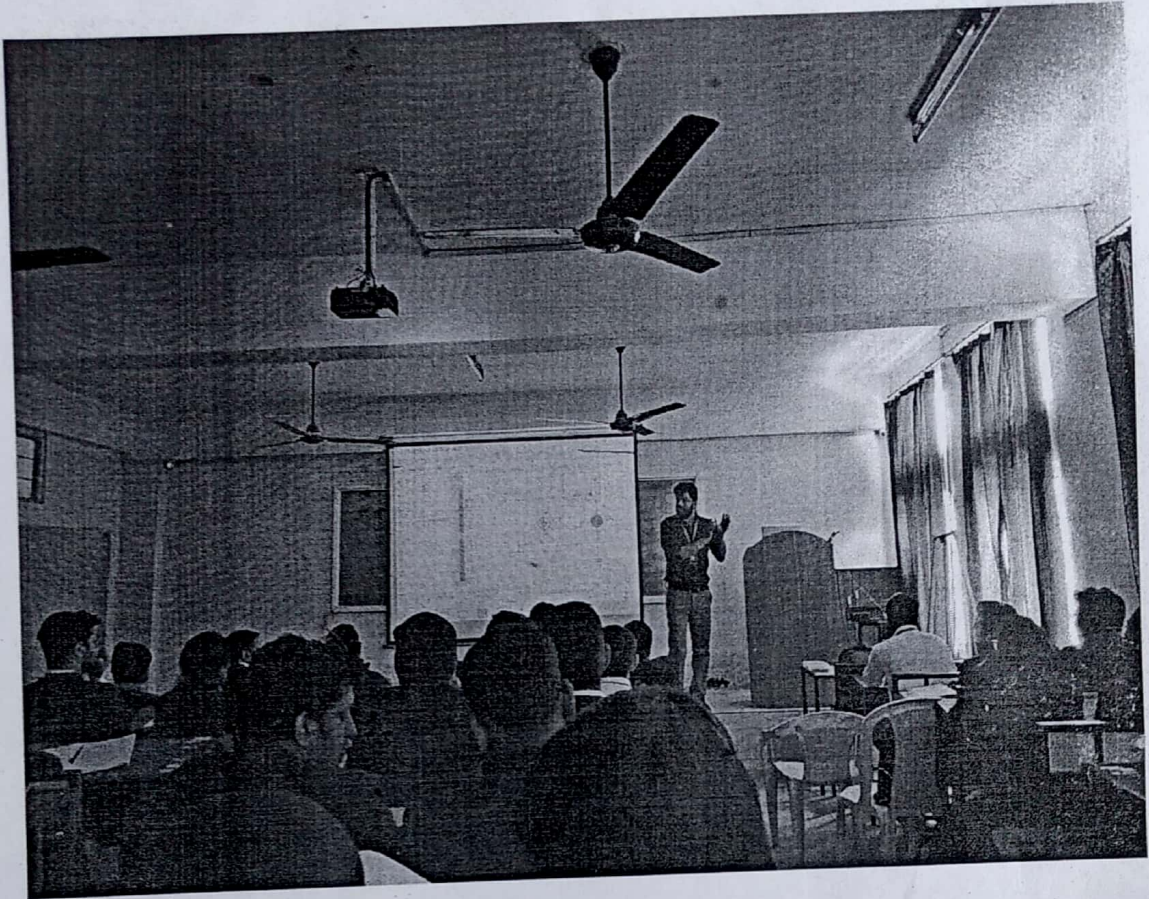
Director, OCT



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

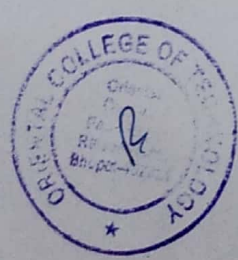
Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

Arund



Anand

Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal



[Signature]
Director
Oriental College of Technology
T. Lakral Nagar, Raisen Road
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Report on Value Added Course on PCB Designing

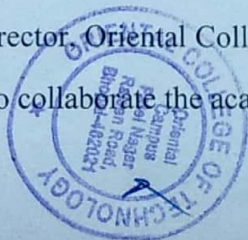
Date and Time: September 24, to September 28, 2018. **Venue:** EC, OCT Campus, **Organized by:** EC,OCT, Bhopal. **Name of the Speakers:** Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd., Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT, **Participants Details:** Second year students of Electronics & Communication Engineering.

Summary of the Event

The Value added course Plays an important role in Strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Electronics & Communication Engineering Department of Oriental College of Technology in association with IndEyes InfoTech Pvt. Ltd, had organized “**Value Added Course on PCB Designing**” from September 24, to September 28, 2018 for the students of second year.

This Course syllabus was covered by Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd. ,Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT in 30 Hrs. of 5-Day program.

On September 24, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In her presidential speech, she emphasized on the need to collaborate the academic and the non academic education.



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On September 24, the Course coordinator, Mr. Abhigyanam Giri, guided all students on the topic "PCB Designing". In his speech, he had explained the need for every student to have skills to get a job. To bridge the gap between the academic and industry need, Value Added Courses are much essential. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. He also explained about configuration and functioning of bread board.

On September 25, Mr. Amish Ku. Jha, explained, how to design layout through software on PCB.

On September 26, Mr. Kapil Gupta, explained, etching and drilling of PCB. Also Testing of PCB was done by Mr. Abhigyanam Giri.

On September 27, Mr. Abhigyanam Giri, given assignment to students on Designing of multivibrator, after that testing of PCB was done.

On September 28, Mr. Kapil Gupta, has given assignment to students on Designing of digital lock code, then testing of PCB was done.

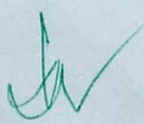
At last, Prof. Arvind Sahu, Head EC, Convenor of Course gave away the vote of thanks. He thanked Mr. Abhigyanam Giri for providing his valuable time for successful conduction of this course for our students. He also thanked Mr. Amish Ku. Jha & Mr. Kapil Gupta for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Arvind Sahu

Course Convenor

Head, EC, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
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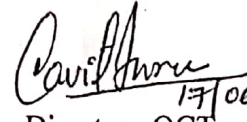
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Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT


Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




Director
Oriental College of Technology
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Bhopal

Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....

Place:
Signature
Date:


Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mrs. Preeti Gupta
ochothodex@oriental.ac.in
Mobile: +917024119755

COURSE COORDINATOR

Mr. Rishabh Shukla
Mobile: +919584741706

ORGANISING COMMITTEE MEMBERS

Mr. Lalit Jain
Mobile: +917972366098
Mr. Praveen Choudhary
Mobile: +918770913910

CONTACT

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ochothodex@oriental.ac.in
Mobile: +917024119755

Mr. Lalit Jain
Mobile: +917972366098

Oriental College of Technology,
Bhopal



Value Added Course

on

“PCB Designing”


[15th to 19 Jan 2019]

In Association with



Organised By

Department of Electrical & Electronics
Engineering


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462021
Phone: 2529026, 2529057, Fax: 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal- Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Electrical & Electronics is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various subjects.

The EX Department offers M.Tech Course in Power Electronics along with Undergraduate Program (B.E./ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Electrical & Electronics Engineering plays prominent role in every domain and vital role in development of Nation. "PCB Designing" is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

A PCB is sort of like a layer cake, there are alternating layers of different materials which are laminated together with heat and adhesive such that the result is a single object.

- ✓ To know latest's trends in PCB Designing.
- ✓ To know the basics of bread board.
- ✓ To know the basics of layout designing through software.
- ✓ To know the basics of etching, drilling, component mounting, testing procedure.

ELIGIBILITY

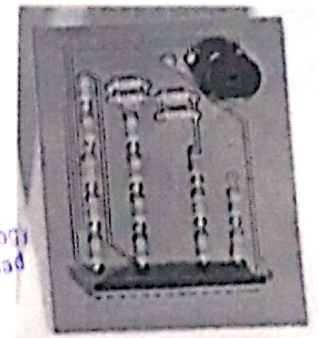
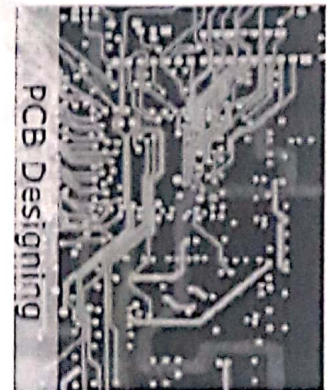
The Students of Electrical & Electronics Engineering branch are eligible to attend the PCB designing course.

REGISTRATION

- ✓ No Registration fees
- ✓

SPEAKERS

Mr. Lalit Jain
Associate Prof. EX Deptt. OCT Bhopal
Mr. Praveen Choudhary
Assistant Prof. EX Deptt. OCT Bhopal



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Oriental College of Technology, Bhopal

Electrical & Electronics Engineering
Value Added Course: PCB Designing
Course Code: EX 20001

Module 1

Computerized capture of electronic designs

Introduction to all types of electronics components, bread board and testing/measuring instruments. Practical verification of electronic components with Multimeter. Creation of symbolic representation of circuits (schematic diagram), Searching, loading and, placing of components, Wiring connections between components, Updating component, information in PCB layout (Auto packaging), Different tools used for PCB designing

Module 2

Introduction to PCB Layout

PCB Structure and Standards, Tracks, Pads and Vias, Netlist, Design of PCB layout of a circuit, Define the Board Outline, etching & drilling of PCB, Place the components, Routing of the components Manual and Automatic, Detection and repair of Design rules violation, clearance errors and missing or incomplete connections, 3D View of the designed board.

Module 3

Analysis Components

Debugging Tools, Thermal Analysis and Electromagnetic Analysis, Multisim MCU Module, Source Code Editor, MCU Design Overview, MCU Wizard, Building an MCU Workspace, Errors and Warnings, Simulation of Machine Code File, Multisim MCU Module Source Code Editor, Opening a Debug View, Debug Window Settings, Simulation Markers, Breakpoints, Memory View, Miscellaneous Problem for Multisim.

Module 4

PCB Designings

Making circuit on PCB Design Software, Deploying basic circuits from paper to schematic window Testing the schematic for errors, Making Board Layout, Checking for errors and finalizing layout

Module 5

Testing and Trouble shooting

Testing and troubleshooting once your PCB is ready, Various trouble shooting techniques.




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SCHEDULE

5 Days Value Added Course on PCB Designing [15th to 19 Jan 2019]

15 th Jan 2019		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	Mr. Praveen Choudhary
10:00 AM-12:30PM	Introduction to breadboard	
12:30-1:10PM	LUNCH	Mr. Praveen Choudhary
01:10-3:10PM	Practice Session on Bread Board	
3:10 -3:30PM	Break	Mr. Praveen Choudhary
03:30-5:30PM	Introduction to PCB	
16 th Jan 2019		
Time	Session	Teacher
9:00-11:00AM	Practice Session on PCB	Mr. Praveen Choudhary
11:00-11:30AM	Break	Mr. Praveen Choudhary
11:30-01:00PM	Practice Session on PCB including layout designing through software	
01:00-1:40PM	LUNCH	Mr. Praveen Choudhary
01:40-4:30PM	Practice Session on PCB including layout pasting over PCB	
17 th Jan 2019		
Time	Session	Teacher
9:00-11:00AM	Etching & Drilling of PCB	Mr. Lalit Jain
11:00-11:30AM	Break	Mr. Lalit Jain
11:30-01:00PM	Component mounting	
01:00-1:40PM	LUNCH	Mr. Lalit Jain
01:40-4:30PM	Testing of PCB	
18 th Jan 2019		
Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Lalit Jain
11:00-11:30AM	Break	Mr. Lalit Jain
11:30-01:00PM	Class Room Assessment	
01:00-1:40PM	LUNCH	Mr. Lalit Jain
01:40-4:30PM	Testing of PCB	
19 th Jan 2019		
Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Praveen Choudhary
11:00-11:30AM	Break	Mr. Praveen Choudhary
11:30-01:00PM	Objective Test	
01:00-1:40PM	LUNCH	Mr. Praveen Choudhary
01:40-2:30PM	Testing of PCB and Assignment submission	
2:30-3:30PM	Feedback from students	Mr. Praveen Choudhary
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Praveen Choudhary




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Value Added Course On PCB Designing
Objective Test, Date: 19 Jan 2019

Branch:	Electrical & Electronics Engineering		Max. marks-50
Semester	IV Sem		Minimum marks-25
Subject	PCB Designing	Subject Code: EX 20001	Time: 1:30 Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

- 1) Which among the below mentioned packages does not belong to the category of 'Small Outline Package'?
 - a. SO
 - b. SOP
 - c. SOT
 - d. SON

- 2) Which type of solderability testing is carried out for the generation of solder sample due to immersion of wire or sheet metal specimen in a bath of molten solder?
 - a. Solder Bath Testing
 - b. Meniscus Rise Testing
 - c. Solder Iron Testing
 - d. None of the above

- 3) Which among the below stated soldering methods is also renowned as 'High Frequency Resistance Soldering'?
 - a. Iron Soldering
 - b. Furnace Soldering
 - c. Torch Soldering
 - d. Electrical Soldering

- 4) Which among the below mentioned approaches belongs to the category of In-circuit Testing?
 - a. Impedance Testing
 - b. Component Testing
 - c. Apply Signal and check output
 - d. All of the above




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5) High current circuits are purposely located or placed near the edge of PCB in accordance to the supply lines for _____

- a. Removal of heat
- b. Isolation of stray current
- c. Reduction of path length
- d. All of the above

6) What is/are the necessity/ies to provide guarding to precision differential amplifiers?

- a. To increase leakage resistance
- b. To reduce capacitance between signal conductors & ground
- c. Both a and b
- d. None of the above

7) Which phenomenon is not reduced by the circuit paths of lowest impedances especially provided by power and return planes for shielding purposes?

- a. Radiation
- b. Convection
- c. Noise
- d. Crosstalk

8) Which among the below specified assertions is not a grounding consideration associated with ADC as well as DAC?

- a. Analog side to analog ground
- b. Digital side to digital ground
- c. Use of separate power supply and connection of their ground leads to single point reference
- d. Reduction of inductive loop area between power and return traces

9) Which among the below stated devices/equipments are preferred for elimination of ground and supply line noise especially in TTL/CMOS / ECL PCB designing?

- a. Coupling capacitor
- b. Decoupling capacitor
- c. Snubber circuits
- d. All of the above

10) Which among the below mentioned assertions is not a way of cross-talk reduction while designing digital PCBs?

- a. Decrease in the distance between conductors
- b. Shielding of clock lines with guard strips
- c. Reduction in the loop area of circuits
- d. Avoid running of parallel traces for longer distances especially for asynchronous signals

11) Which among the below specified condition is precise in the crosstalk verification mechanism using logic flow in opposite direction with the limit of avoiding dangerous interference in digital PCB designing?

- a. $Z_{\text{even}} > Z_{\text{odd}}$
- b. $Z_{\text{odd}} \geq 0.5 Z_{\text{even}}$



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c. $Z_{\text{out}} \geq 0.8 Z_{\text{max}}$

d. $Z_{\text{out}} = Z_{\text{max}}$

12) Which among the following assists in obtaining the desired value of wave impedance in reflection phase while designing digital PCBs?

- A. Width of signal lines
- B. Distance between signal line and ground line
- C. Signal Delays
- D. Double Pulsing

- a. A & B
- b. B & C
- c. C & D
- d. A, B, C, D

13) Which problems are about to occur if PCB is not designed properly in a confined manner for digital circuits?

- A. Diffraction
- B. Refraction
- C. Ground & Supply-line Noise
- D. Electromagnetic Interference

- a. A & B
- b. B & C
- c. C & D
- d. A, B, C, D

14) What effects can be observed if the separate power and ground planes are provided with large conducting surfaces for better decoupling in PCB layouts?

- a. Increase in self-inductance
- b. Reduction in self-inductance
- c. Stability in self-inductance
- d. None of the above

15) What should be the resistance of 0.6 mm wide conductor with 15 cm length and 25 μm thickness of standard copper foil? (Assume $\rho = 1.7241 \times 10^{-6}$ (at 20° C))

- a. 118.2 m Ω
- b. 138.2 m Ω
- c. 172.4 m Ω
- d. 192.4 m Ω

16) Which type of PCB requires minimum soldering on component side in order to avoid replacement oriented difficulties?

- a. Single-sided PCB
- b. Double-sided PCB
- c. Both a and b
- d. None of the above



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Thakral Nagar, Raipur Road
Raipur

[Signature]
Head of Department
Electrical & Electronics Engineering
Oriental College of Technology

17) Which factors contribute to the occurrence of mechanical stress?

- a. Resonance
- b. Cracked Solder Joints
- c. Both a and b
- d. None of the above

18) The actual cost of PCB can be evaluated on the basis of _____

- a. PCB size & material
- b. Number of layers
- c. Vias on PCB
- d. All of the above

19) Which terminology of PCB represents a thin photo-sensitive polymer by supporting photographic pattern of single traces or IC pads for etching?

- a. Prepreg
- b. Etching
- c. Photo-resist
- d. Solder mask

20) What is the ratio of tin & lead in soldering metal alloy?

- a) 50% & 50%
- b) 20% & 80%
- c) 10% & 90%
- d) 60% & 40%

①
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Electronics & Telecommunication Engineering
Oriental College of Technology



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Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Oriental College of Technology , Bhopal

Department of Electrical & Electronics Engineering

PCB Designing

15 to 19 Jan 2019

Sr. No.	Enrollment No.	Name of Student	15/1/2019	16/1/2019	17/1/2019	18/1/2019	19/1/2019
1	0126EX171001	Alima Khan	Alima	Alima	Alima	Alima	Alima
2	0126EX171002	Armit Kumar Patel	Apatel	Apatel	Apatel	Apatel	Apatel
3	0126EX171003	Ankit Kumar Patel	Ankit	Ankit	Ankit	Ankit	Ankit
4	0126EX171004	Anshul Dashputre	Anshul	Anshul	Anshul	Anshul	Anshul
5	0126EX171005	Ashutosh Tiwari	Ashutosh	Ashutosh	Ashutosh	Ashutosh	Ashutosh
6	0126EX171006	Dinesh Punde	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
7	0126EX171007	Gouri Soni	Gouri	Gouri	Gouri	Gouri	Gouri
8	0126EX171008	Hari Prasad Tripathi	Hari	Hari	Hari	Hari	Hari
9	0126EX171009	Monika Katolkar	monika	monika	monika	monika	monika
10	0126EX171010	Praveen Kumar Dwivedi	PK	PK	PK	PK	PK
11	0126EX171011	Rishabh Shukla	Rsh	Rsh	Rsh	Rsh	Rsh
12	0126EX183D01	Nirbhay Kumar	NK	NK	NK	NK	NK

Head of Department
Electrical & Electronics Engineering
Oriental College of Technology



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College Of Technology, Bhopal

Electrical & Electronics Engineering Department

Value Added Course: PCB Designing, 15-19 Jan 2019

Course Code: EX 20001

ASSESSMENT SHEET

Sno	Enrollment No.	Name of students	Class room assessment score(marks/50)	Objective test score(marks/50)	Total score	Eligible to receive certificate or not
1	0126EX171001	Alima Khan	45.5	47	92.5	Eligible
2	0126EX171002	Amit Kumar Patel	30	35	65	Eligible
3	0126EX171003	Ankit Kumar Patel	38	40	78	Eligible
4	0126EX171004	Anshul Dashputre	29	40	69	Eligible
5	0126EX171005	Ashutosh Tiwari	30	42	72	Eligible
6	0126EX171006	Dinesh Punde	45.5	30	75.5	Eligible
7	0126EX171007	Gouri Soni	32	42	74	Eligible
8	0126EX171008	Hari Prasad Tripathi	42	40	82	Eligible
9	0126EX171009	Monika Katolkar	45	45	90	Eligible
10	0126EX171010	Praveen Kumar Dwivedi	29	40	69	Eligible
11	0126EX171011	Rishabh Shukla	30	42	72	Eligible
12	0126EX183D01	Nirbhay Kumar	30	35	65	Eligible




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Course Evaluation/ Feedback Form

Value Added Course	PCB Designing
Date:	15 th to 19 Jan 2019
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Praveen Choudhary

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

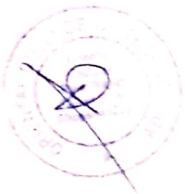
1. The course contents compared with you expectations.	(4) 3 2 1
2. The teaching aids were effectively used.	(4) 3 2 1
3. The course contents handed out was useful.	(4) 3 2 1
4. The presenter(s) encouraged interaction and were helpful.	4 (3) 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 (3) 2 1
6. The materials provided were sufficient & appropriate for the program.	(4) 3 2 1
7. The presenter(s) inspires you by his/her knowledge in the course.	(4) 3 2 1




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 Oriental College of Technology
 Thakral Nagar, Raisen Road
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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Session: 2018-19

Department of Electrical & Electronics Engineering

CERTIFICATE

This is to certify that Mr. /Ms Alima Khan of EX-IV Sem , OCT, Bhopal, has Completed the "Value Added Courses" on "PCB Designing" during 15-19, Jan. 2019, organized by Department of Electrical & Electronics Engineering, Oriental College of Technology, Bhopal.

Oriental College of Technology
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Co-ordinator, EX, OCT

HOD, EX, OCT

Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering



Report on Value Added Course on PCB Designing

Date and Time: January 15, to January 19, 2019. **Venue:** EX,OCT Campus. **Organized**

By: EX,OCT, , Bhopal. **Name of the Speakers:** Mr. Lalit Jain, Assistant Prof. EX Deptt. OCT Bhopal

Mr. Praveen Choudhary, Assistant Prof. EX Deptt. OCT Bhopal

Participants Details: Second year students of Electrical & Electronics Engineering.

Summary of the Event

During the course students will develop basic skills in the use of modern PCB layout design software and techniques. Schematics, printed circuit board layouts, symbols, and wiring diagrams will be produced on PC workstation; terminology and the manufacturing process of printed circuit boards will be covered.

“Value Added Course on PCB Designing” January 15, to January 19, 2019 for the students of second year .

On January 15, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare , Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.

On January 15, the Course coordinator, Mr. Rishabh Shukla, guided all students on the topic “PCB Designing”. In his speech, he had explained the need for every student to have skills to get a job. He also explained about configuration and functioning of bread board.

On January 15, Mr. Praveen Choudhary, Session on Bread Board.

On January 16, Mr. Praveen Choudhary, Practice Session on PCB including layout designing through software




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On January 17, Mr. Lalit Jain, explained Etching & Drilling of PCB

On January 18, Mr. Lalit Jain, has given assignment to students on testing of PCB was done.

On January 19, Mr. Praveen Choudhary, conduct test on Testing of PCB and Assignment submission.


At last, Prof. Preeti Gupta, Head EX, Convenor of Course gave away the vote of thank. He thanked Mr. Praveen Choudhary and Mr. Lalit Jain for providing his valuable time for successful conduction of this course for our students. He also thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Preeti Gupta

Course Convenor

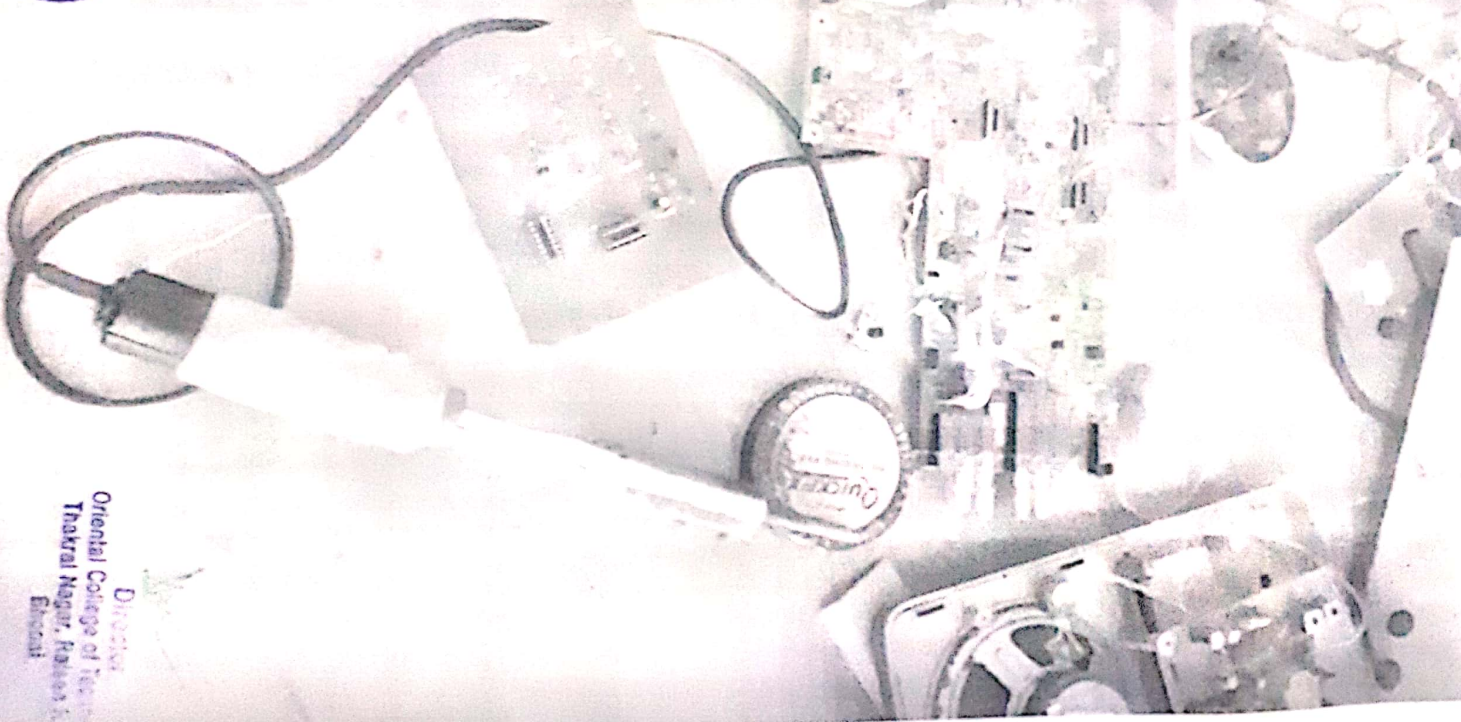
EX, OCT




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Bhopal

PCB Designing

15/01/2019 Jan. 2019.



Director
Oriental College of Technology
Thakral Nagar, Palwal Distt.
Meerut, U.P. 201315

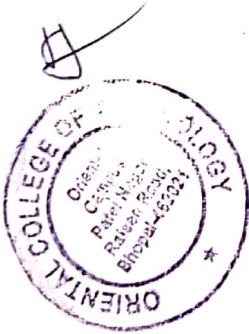


Oriental College of Technology, Bhopal

Date: 17 June 2014

Policy of Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enrol and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Test Score, with minimum of 60% attendance
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Exam Score $\geq 25/50$.
 - c. If one of the 2 criteria is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.



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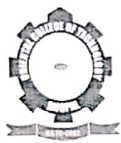
1. Academic Committee
2. All HoD's, OCT

Director . OCT

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

**ORIENTAL COLLEGE OF
TECHNOLOGY, BHOPAL**



Value Added Course

On

"MATLAB"

[27-31, Aug-2018]

For II -Year Students

Organised By

Department of Mechanical Engineering

Oriental College of Technology.

Thakral Nagar, Raisen Road, Bhopal - 462021

Phone: 2529026, 2529057, Fax: 0755-2529472

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Dr. Netra Pal Singh
octhodme@oriental.ac.in

COURSE COORDINATOR

Mr. Saumitra Kumar Sharma
Mobile: +919589455704
saumitra204@gmail.com

ORGANISING COMMITTEE MEMBERS

Mr. Dharmendra Yadav
Mr. Shahnawaz Ansari
Mr. Rajesh Kumar
Mr. Rajeev Ranjan

CONTACT

Mr. Shahnawaz Ansari
Mobile: +918253033270
Shahnawaz91@gmail.com

Mr. Saumitra Kumar Sharma
Mobile: +919589455704
saumitra204@gmail.com

Registration Form

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address:.....

.....

.....

.....

City & Pin.....

E-mail id.....

Contact No:.....

Place:.....

Signature.....

Date:.....

Signature with Seal
Head of the Department
Oriental College of Technology, Bhopal



Oriental College of Technology, Bhopal

Mechanical Engineering
Value added course – MATLAB
Time Durations – 30Hrs
Course code – ME-20001
Syllabus

Introduction to MATLAB

Using the Command Window to execute simple programming tasks, advantage of the Workspace and Command History Windows, and using the Help files. Built-in functions will be introduced and will practice their use on scalars.

Vectors and matrices

Students will create vectors and matrices, and solve simple sets of linear equations in the Command Window. The difference between array and matrix multiplication will be considered.

MATLAB handles polynomials will be described, with relevant common functions discussed. The students will attempt simple programming exercises based on these functions.

M-files

Students will learn to use the MATLAB Editor to create and run m-files. Looping structures in MATLAB and the advantages of vectorisation over loop structures in many instances will be described, using built-in functions. The students will write simple m-files to solve problems using these concepts and those of the previous section.

Plotting

Students will learn to use MATLAB's 2D plotting capabilities, following a brief function m-files and user-defined functions demonstration. There will be a brief introduction to 3D plotting

Programming Tasks

Students will have time to develop their MATLAB skills by undertaking more programming tasks.

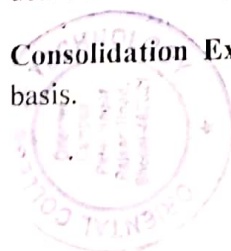
Function m-files

Students will learn to use function m-files, write user-defined functions, and function functions, using them to solve appropriate problems.

Ordinary differential equations

The students will learn how to use MATLAB to solve simple systems of ODE's, with mention of the various built in solvers. Students will write function m-files, write user-defined functions, and function functions, using them to solve appropriate problems.

Consolidation Exercises - exercises will be done on above course content on feedback basis.



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SCHEDULE		
5 Days Value Added Course on MATLAB [27-31, Aug-2018]		
27 Aug- 2018		
Time	Session	Teacher
10:00-10:30 AM	Inaugural Programme	Mr. Saumitra Sharma
10:30 AM-12:30PM	Introduction to MATLAB	
12:30-1:10PM	LUNCH	Mr. Rajesh Kumar
01:10-3:10PM	simple programming tasks	
3:10 -3:30PM	Break	Mr. Dharmendra Yadav
03:30-6:00PM	Workspace and Command History Windows using help file	
28 Aug- 2018		
Time	Session	Teacher
9:00-11:00AM	Vectors and matrices	Mr. Saumitra Sharma
11:00-11:30AM	Break	Mr. Dharmendra Yadav
11:30-01:00PM	MATLAB handles polynomials	
01:00-1:40PM	LUNCH	Mr. Rajesh Kumar
01:40-4:30PM	array and matrix multiplication	
29 Aug- 2018		
Time	Session	Teacher
9:00-11:00AM	MATLAB Editor to create and run m-files	Mr. Dharmendra Yadav
11:00-11:30AM	Break	Mr. Saumitra Sharma
11:30-01:00PM	Advantages of vectorisation over loop structures	
01:00-1:40PM	LUNCH	Mr. Rajesh Kumar
01:40-4:30PM	Write simple m-files to solve problems using these concepts	
30 Aug- 2018		
Time	Session	Teacher
9:00-11:00AM	MATLAB's 2D plotting capabilities	Mr. Saumitra Sharma
11:00-11:30AM	Break	Mr. Dharmendra Yadav
11:30-01:00PM	Brief introduction to 3D plotting	
01:00-1:40PM	LUNCH	Mr. Rajesh Kumar
01:40-4:30PM	Brief introduction to 3D plotting	
31 Aug- 2018		
Time	Session	Teacher
10:00-12:00AM	MATLAB to solve simple systems of ODE's	Mr. Dharmendra Yadav
12:00-12:30AM	Break	Mr. Saumitra Sharma
12:30-02:00PM	Objective Test	
02:00-2:40PM	LUNCH	Mr. Dharmendra Yadav / Mr. Rajesh Kumar
02:40-3:30PM	Assignment submission	Mr. Saumitra Sharma
3:30-4:30PM	Feedback from students	Mr. Dharmendra Yadav / Mr. Rajesh Kumar
4:30-5:30 PM	Valedictory & Certificate distribution	



2

M. S. Sharma
 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
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(Signature)

Head of Department
 Mathematics Engineering
 Oriental College of Technology, Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Value Added Course on MATLAB
Objective Test, Date: 31 Aug- 2018

Branch: Mechanical Engineering

Semester: III Semester

Max. Marks-50

Minimum Marks:25


Subject: MATLAB

Time: 1:30Hrs

Note

All questions are compulsory. Each Question is of 2.5 Marks.

1. What is the return type of angles function in MATLAB ?
 - a) Degrees
 - b) Radium
 - c) Radians & Degrees
 - d) Depends on the argumentd
2. What will be the output of atan2(-1,1) in Matlab?
 - a) Error
 - b) pi/4
 - c) 0.7854
3. MATLAB stands for?
 - a) matrix laboratory
 - b) math library
 - c) matric library
 - d) matrix library
4. Which command is used to clear a command window?
 - a) clear
 - b) close all
 - c) clc
 - d) clear all
5. To determine whether an input is MATLAB keyword, command is?
 - a) iskeyword
 - b) key word
 - c) inputword
 - d) isvarname
6. Command used to display the value of variable x.
 - a) display
 - b) disp(x)
 - c) disp x
 - d) vardisp('x')
7. Command is used to save command window text to file.
 - a) saveas
 - b) texttofile
 - c) diary
 - d) todiaary
8. To stop the execution of a MATLAB command, used keys?
 - a) ctrl+c
 - b) ctrl+s
 - c) ctrl+b
 - d) ctrl+enter
9. Which is the invalid variable name in MATLAB?
 - a) x6
 - b) last
 - c) 6x
 - d) z
10. If the coefficient matrix of a linear system has rank 4, and the augmented matrix has rank 5, then:
 - A. The system has infinitely many solutions
 - B. The system is inconsistent
 - C. There are fewer variables than equations
 - D. The system is homogeneous


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11. Which of the following is not a pre-defined variable in Matlab?
 A. pi B. Inf C. I D. gravity
12. To print a newline in a fprintf statement, you must use the following escape character:
 A. n/l B. nl C. nxl D. n
13. Let x and y be solutions to a system of n homogeneous linear equations. If $z = ax + by$
 A. z is a solution to the system for all a and b B. z is a solution only if $a = 0$ and $b = 0$
 C. The solution has $n - 2$ parameters D. There are at most 2 leading variables
14. What are the characters in Matlab are represented in their value in memory?
 A. decimal B. ASCII C. hex D. string
15. Which one of the following lists contains only legal MATLAB variable names?
 A. year-2012, time B. myTime, 1stVar
 C. MyScore1, student1_ID D. 2nd_Var, my_currency
16. This Matlab command clears all data and variables stored in memory:
 A. clc B. clear C. delete D. deallocate
17. What does MatLab consist of?
 A. MatLab Language B. MatLab working environment
 C. Handle Graphics D. All of the above
18. What are the things for which MATLAB can be used
 A. Performing very simple calculations
 B. Plotting mathematical relationships in two dimensional and three dimensional
 C. For operations of matrix
 D. All of these
19. Which of the following is used to see if two elements are equal in MATLAB?
 A. != B. == C. isequal D. =
20. To convert inches to millimeters, which of the following function is used?
 a) $i2m = inline(d./25.4,d);(b)$
 b) $i2m = inline('d./25.4','d');(c)$
 c) $i2m = inline(d.*25.4)(d)$
 d) $function i2m = inline('d','d.*25.4')$



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Oriental College of Technology Bhopal

Department of Mechanical Engineering

Attendance sheet for value added course on MATLAB

S. No.	ENROLLMENT NO	NAME	27-08-2018	28-08-2018	29-08-2018	30-08-2018	31-08-2018
1	0126ME171001	AABID HUSSAIN	P	P	P	P	P
2	0126ME171002	ABHISHEK VISHWAKARMA	P	P	P	P	P
3	0126ME171003	ANTAKIB	P	P	P	P	P
4	0126ME171004	ANURAG RANJAN	P	P	P	P	P
5	0126ME171005	ATUL PANDEY	P	P	P	P	P
6	0126ME171006	DEEPAK KUMAR	P	P	P	P	P
7	0126ME171007	DEEPAK KUMAR	P	P	P	P	P
8	0126ME171009	DEVASHISH CHOUHAN	P	P	P	P	P
9	0126ME171010	GEETESH TARAM	P	P	P	P	P
10	0126ME171011	KOMALDEEP KAUR SEKHON	P	P	P	P	P
11	0126ME171012	KRISHNA KANT DWIVEDI	P	P	P	P	P
12	0126ME171013	MD ANZAR AMAN	P	P	P	P	P
13	0126ME171014	MUZAFFAR ALI NIYAZI	P	P	P	P	P
14	0126ME171015	NIKHIL	P	P	P	P	P
15	0126ME171016	PUNIT RAJ	P	P	P	P	P
16	0126ME171017	RAJNISH RANJAN	P	P	P	P	P
17	0126ME171018	RITWIK CHANDRA ANAND	P	P	P	P	P
18	0126ME171019	SATYAM GARG	P	P	P	P	P
19	0126ME171020	SHUBHAM RAI	P	P	P	P	P
20	0126ME171021	SNEH GUPTA	P	P	P	P	P
21	0126ME171022	VIPUL LITORIYA	P	P	P	P	P
22	0126ME171023	YASHANK MATHANKAR	P	P	P	P	P
23	0126ME183D01	AMIT SONI	P	P	P	P	P
24	0126ME183D02	SATYAM RAUT	P	P	P	P	P



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Oriental College of Technology, Bhopal

Mechanical Engineering Department
Value Added Course: MATLAB, 27-31, Aug-2018

Course Code: ME 20001

ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126ME171001	AABID HUSSAIN	37	40	77	Eligible
2	0126ME171002	ABHISHEK VISHWAKARMA	35	35	70	Eligible
3	0126ME171003	ANTAKIB	45	40	85	Eligible
4	0126ME171004	ANURAG RANJAN	38	40	78	Eligible
5	0126ME171005	ATUL PANDEY	35	42.5	77.5	Eligible
6	0126ME171006	DEEPAK KUMAR	26	40	66	Eligible
7	0126ME171007	DEEPAK KUMAR	37	40	77	Eligible
8	0126ME171009	DEVASHISH CHOUHAN	42	40	82	Eligible
9	0126ME171010	GEETESH TARAM	45	40	85	Eligible
10	0126ME171011	KOMALDEEP KAUR SEKHON	37	40	77	Eligible
11	0126ME171012	KRISHNA KANT DWIVEDI	A	A	A	Not Eligible
12	0126ME171013	MD ANZAR AMAN	32	45	77	Eligible
13	0126ME171014	MUZAFFAR ALI NIYAZI	A	A	A	Not Eligible
14	0126ME171015	NIKHIL	26	40	66	Eligible
15	0126ME171016	PUNIT RAJ	37	40	77	Eligible
16	0126ME171017	RAJNISH RANJAN	35	35	70	Eligible
17	0126ME171018	RITWIK CHANDRA ANAND	35	42.5	77.5	Eligible
18	0126ME171019	SATYAM GARG	38	40	78	Eligible
19	0126ME171020	SHUBHAM RAI	32	45	77	Eligible
20	0126ME171021	SNEH GUPTA	26	40	66	Eligible
21	0126ME171022	VIPUL LITORIYA	28	40	68	Eligible
22	0126ME171023	YASHANK MATHANKAR	37	40	77	Eligible
23	0126ME183D01	AMIT SONI	A	A	A	Not Eligible
24	0126ME183D02	SATYAM RAUT	A	A	A	Not Eligible



[Signature]
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Bhopal

[Signature]

Head of Department
Mechanical Engineering
Oriental College of Technology, Bhopal

COURSE EVALUATION/ FEEDBACK FORM

Value Added Course	MATLAB
Date:	27-31, Aug-2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Saumitra Kumar Sharma

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4 (3) 2 1
2. The Course was well organized.	(4) 3 2 1
3. The information and/or skills presented were relevant and useful	(4) 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 (3) 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 (3) 2 1
6. The materials provided were sufficient & appropriate for the program.	(4) 3 2 1
7. The physical arrangements were adequate.	(4) 3 2 1



2


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MATLAB

August 27, to August 31, 2018.



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Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New-Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) [INDIA]



Session: 2018-19

Department of Mechanical Engineering CERTIFICATE

This is to certify that Mr./Ms. PUNIT RAJ of III Sem, OCT, Bhopal, has Completed the "Value Added Course" on "MATLAB" during 27-31, Aug-2018, organized by Department of Mechanical Engineering, Oriental College of Technology, Bhopal.

Co-Ordinator, ME, OCT



HOD, ME, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Mechanical Engineering



Report on Value Added Course on MATLAB

Date and Time: August 27, to August 31, 2018.

Venue: ME, OCT Campus.

Organized by: ME, OCT, , Bhopal.

Name of the Speakers: Mr. Dharmendra Yadav, Assistant Professor, ME, OCT, Mr. Saumitra Sharma, Assistant Professor, ME, OCT and Mr. Rajesh Kumar, Assistant Professor, ME, OCT.

Participants Details: Second year students of Mechanical Engineering Dept.


Summary of the Event

The Value added course Plays an important role in Strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Mechanical Engineering Department of Oriental College of Technology had organized “Value Added Course on MATLAB” from August 27, to August 31, 2018 for the students of second year.

This Course syllabus was covered by Mr. Dharmendra Yadav, Assistant Professor, ME, OCT, Mr. Saumitra Sharma, Assistant Professor, ME, OCT and Mr. Rajesh Kumar, Assistant Professor, ME, OCT in 30 Hrs. of 5-Day program.

On **August 27**, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.




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Course coordinator has given Introduction to MATLAB with Simple Programming Tasks, Workspace And Command History Windows Using Help File.

On **August 28**, the Course coordinator, Mr.Saumitra Kumar Sharma, Mr. Rajesh Kumar and Mr. Dharmendra Yadav, guided all students on the topic Vectors and matrices ,MATLAB Handles Polynomials And Array and Matrix Multiplication.In his speech, They have explained the need for every student to have skills to get a job. They also explained about configuration and functioning of Matlab.

On **August 29**, Mr. Dharmendra Yadav, explained, MATLAB Editor to create and run m-files , Mr. Saumitra Sharma, explained, Advantages of vectorisation over loop structures. Write simple m-files to solve problems using these concepts by Mr. Rajesh Kumar.

On **August 30**, Mr.Saumitra Sharma taught MATLAB's 2D plotting capabilities also given assignment to students on the same.

On **August 31**, Mr. Dharmendra Yadav, has given assignment to students on Brief introduction to 3D plotting Brief introduction to 3D plotting after that assessment of class done.

At last, Prof. Netra Pal Singh, Head ME, Convenor of Course gave away the vote of thank. He thanked Mr. Saumitra Sharma for providing his valuable time for successful conduction of this course for our students. He also thanked Mr. Rajesh Kumar & Mr. Dharmendra Yadav for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof . Netra Pal Singh

Course Convenor

ME, OCT


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal





Phone No.-0755-2529015, 2529026
Fax: 0755-2529472
E-mail: director@oriental.ac.in
Website: <http://www.oriental.ac.in/oct-bhopal/>

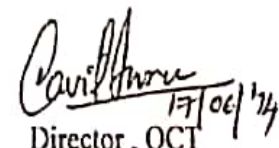
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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

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5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT

Director

Oriental College of Technology
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Copy to:

1. Academic Committee
2. All HoD's, OCT





Director

Oriental College of Technology
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Registration Form

CHIEF PATRONS

Dr. K. L. Thakral

Founder Chairman, Oriental Group of Institutes and Chancellor,
Oriental University, Indore

Name:

Enrollment No.

Branch:

Semester:

Address:

.....

.....

.....

.....

City & Pin:

E-mail id:

Contact No:

Signature

Place:

Date:

Signature with Seal

Head of the Department

**Oriental College of Technology
Bhopal**



Value Added Course

On

"AUTOCAD"

[10-14, September, 2018]

For II -Year Students

Organized By

Department of Civil Engineering

Oriental College of Technology,

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ADVISORY COMMITTEE

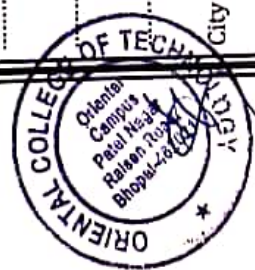
Dr. Ranjeeta Khare
Director, OCT, Bhopal

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COURSE COORDINATOR

Mr. Alok Goyal
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Director
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Phone:: 2529026, 2529057, Fax: 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal- Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc. Bhopal, the capital of Madhya Pradesh, is also known as City of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Civil Engineering is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency

of the Department is in the area of AUTOCAD Designing.

Civil Engineering Department started functioning from the Academic Year 2010. Present intake in First Year is 120 Students. Department has well equipped laboratories catering to the needs of the course curriculum of the affiliating University. Dedicated and Qualified Faculty are one of the Assets of the Department.

ABOUT THE COURSE

Civil Engineering plays prominent role in every domain and vital role in development of Nation. "AUTO CAD" is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

AutoCAD is computer-aided design (CAD) software that architects, engineers and construction professionals rely on to create precise 2D and 3D drawings. Draft and edit 2D geometry and 3D models with solids, surfaces and mesh objects. Annotate drawings with text, dimensions, leaders and tables.

✓ AutoCAD as an 2D-engineering drafting tool:
You can use AutoCAD to draw accurate 2D drawings for any engineering domain and also use AutoCAD to render to 3D models to help in visualization of the end product.

It helps engineers to design, analyze and solve design issues resulting in accurate designs.

✓ 3D View: AutoCAD help model 3D objects with colors, materials and/or textures applied to various surfaces making them vivid and easier for the user to visualize the end product.

✓ Accuracy: AutoCAD enables you to draw with fractional dimensions and also define precision to any number of decimal places, which is not possible to achieve in hand-drafted manual drawings, hence offering accuracy in all dimensions.

ELIGIBILITY

The Second year Students of Civil Engineering branch are eligible to attend the AUTOCAD course.

REGISTRATION

✓ No Registration fees.



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Civil Engineering

AUTO CAD

Value added course

Time Durations – 30 Hrs

CE-20001

Course coordinator –Mr.Alok Goyal

Session- 1

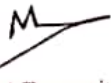
1. Introduction
2. Computer Hardware and Software Concepts
3. Introduction of Personal Computer and Operating Systems WINDOWS-XP, Windows-7, File Management

Session- 2

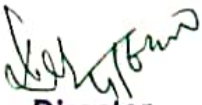
1. Construction of plane and complex geometrical figures
2. Principles of Projections
3. Projections of Straight Lines and Solids
4. Section of Solids

Session- 3

1. Setting up a drawing starting from scratch
2. Setting up a drawing using a Wizard
3. Using and creating a template file
4. Opening an existing drawing
5. Screen layout
6. Pull-down menus
7. Screen icons
8. Command line
9. status bar
10. Dialogue boxes
11. Drawing Commands
12. Lines, Ray, Construction Line
13. Multiline and polylines


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14. Rectangles
15. Arc, Circle and Ellipse
16. Polygon, Spline

Session- 4


1. Co-ordinate input methods (directive, absolute, relative and polar)
2. Starting a New Drawing/Opening an existing drawing
3. Drawing Commands
4. Hatching Command Text (multi-line & single line) and Formatting Text Styles
5. View Commands & Drawing Settings and Aids
6. Modify Command – 1) Hatching 2) Text (multi-line & single line) and Formatting Text Styles
7. Dimension Command Formatting Dimension Style and Multi-leader Style
8. Drawing Settings and Aids
9. Saving and Plotting

Session- 5

1. Individual Project & Team Project


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Department of Civil Engineering
Value Added Course - AUTOCAD

Schedule

Date - 10/09/2018 – 14/09/2018

10/09/2018		
Time	Modules	Faculties
9:30-10:00 AM	Inaugural Programme	Mr. Alok Goyal
10:00 AM-12:30PM	Introduction to AUTOCAD	
12:30-1:10PM	LUNCH	Mr. Alok Goyal
01:10-3:10PM	Learning of 2D drawings	
3:10 -3:30PM	Break	Mr. Alok Goyal
03:30-5:30PM	Introduction to 3D Drawings	
11/09/2018		
Time	Session	Teacher
9:00-11:00AM	Introductions to principle of projection	Mr. Alok Goyal
11:00-11:30AM	Break	
11:30-01:00PM	Arc, circle and ellipse	Mr. Alok Goyal
01:00-1:40PM	LUNCH	Mr. Alok Goyal
01:40-4:30PM	Introductions to Sections of Solids	
12/09/2018		
Time	Session	Teacher
9:00-11:00AM	Learning of 3D drawing	Mr. Alok Goyal
11:00-11:30AM	Break	
11:30-01:00PM	Various Structural elements such as staircase	Mr. Alok Goyal
01:00-1:40PM	LUNCH	
01:40-4:30PM	Drawing various structural elements of a building	Mr. Alok Goyal
13/09/2018		
Time	Session	Teacher
9:00-11:00AM	Practice Session on Various commands of AUTOCAD	Mr. Alok Goyal
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session on 2D & 3D drawing	Mr. Alok Goyal
01:00-1:40PM	LUNCH	
01:40-4:30PM	Saving & plotting commands	Mr. Alok Goyal
14/09/2018		
Time	Session	Teacher
9:00-11:00AM	Assignment :Designing of 2 BHK plan	Mr. Alok Goyal
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Alok Goyal
01:00-1:40PM	LUNCH	
01:40-2:30PM	Submission of 2D plan and Assignment submission	Mr. Alok Goyal
2:30-3:30PM	Feedback from students	Mr. Alok Goyal
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Manish Kumar Sharma



(Signature)
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(Signature)
Head of Department
Civil Engineering
Oriental College of Technology
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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Department of Civil Engineering

Value Added Course on AUTO CAD


Objective Type Test

Date: 14/09/2018

Branch:	Civil Engineering		
Semester:	Third Semester	Max. Marks-50	Minimum Marks:25
Subject:	AUTO CAD	Subject Code: CE 20001	Time: 1:30Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

1. Which is the latest version of AutoCAD software?
 - a) 2016
 - b) 2017
 - c) 2018
 - d) 2019
2. Which key is used to obtain properties palette in AutoCAD?
 - a) Control+1
 - b) Control+2
 - c) Control+3
 - d) Control+4
3. AutoCAD was first released in the year:
 - a) 1858
 - b) 1966
 - c) 1898
 - d) 1982
4. How many units are available in AutoCAD?
 - a) 4
 - b) 5
 - c) 7
 - d) 6
5. Which mode allows the user to draw 90° straight lines :
 - a) Osnap
 - b) Ortho




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- c) Linear
d) Polar tracking
6. To obtain parallel lines, concentric circles and parallel curves; _____ is used.
a) Array
b) Fillet
c) Copy
d) Offset
7. The default grid spacing in both X and Y directions is:
a) 10
b) 20
c) 5
d) 15
8. How many workspaces are available in AutoCAD?
a) 2
b) 4
c) 3
d) 5
9. Scale command can be accessed easily by typing:
a) SL
b) S
c) SC
d) C
10. Which command is used to divide the object into segments having predefined length?
a) Divide
b) Chamfer
c) Trim
d) Measure
11. When drawing in 2D, what axis do you NOT work with?
a) X
b) Y
c) Z
d) WCS
12. The primary difference between the Model tab and the Layout tab(s) is _____.
a) the Model tab is used for drawing in 3D and a Layout is used for drawing in 2D
b) the Model tab is where you create the drawing and a Layout tab represents the sheet that you will plot or print on
c) the color of the background
d) the Model tab displays the drawing you are copying from and the Layout tab is where you lay out the new drawing
13. Which of the following is NOT a property of an object
a) Line weight
b) Measure
c) Hyperlink
d) Elevation



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14. Which command convert discrete objects in polyline

- a) Union
- b) Subtract
- c) Join
- d) Polyline

Discuss

15. To print the entire project, you will choose to regulate what to plot

- a) Display
- b) Extends
- c) Limits
- d) Window

16. What is the usefulness of viewports?

- a) Allows us to see the screen or on paper different views of the same project
- b) Give us the ability to see projects have become a newer version of AutoCAD from our
- c) We can make a change in one part of the plan, without affecting the rest
- d) None of the above

Discuss

17. What is the difference between the Scale commands from the command Zoom

- a) Scale for single object, while the Zoom whole plan
- b) No difference
- c) H Scale can grow / shrink a shape up 10 times, while the Zoom has no limits
- d) H Scale changes the size of objects, while the Zoom changes the visibility of the project

18. What you cannot create from the command Offset

- a) Vertical straight
- b) Concentric circles
- c) Three parallel lines
- d) Parallel arcs

19. Which state grid is use to design perspective

- a) Parametric
- b) Isometric
- c) Pro-optic
- d) Rectangular

20. What is the command used for Plagiostomi angle?

- a) Chamfer
- b) Fillet
- c) Offset
- d) Mirror



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Oriental College of Technology, Bhopal

Department of Civil Engineering

Auto Cad (Value Added Course)

Course Code: CE 20001


Date - 10/09/2018 - 14/09/2018

ATTENDANCE SHEET

Sr.No.	Enroll NO.	Name of Student	10/9/2018	11/9/2018	12/9/2018	13/09/2018	14/09/2018
1	0126CE171001	ABHISHEK PATHAK	Pathak	Pathak	Pathak	Pathak	Pathak
2	0126CE171002	AKASH BADOLE	Badale	Badale	Badale	Badale	Badale
3	0126CE171003	AMARNATH YADAV	Yadav	Yadav	Yadav	Yadav	Yadav
4	0126CE171004	ASIF MEHRAJ MALIK	Malik	Malik	Malik	Malik	Malik
5	0126CE171005	AYUSH SINGH PARIHAR	A.Singh	A.Singh	A.Singh	A.Singh	A.Singh
6	0126CE171006	CHIRANJIV SANGITLA	Sangitla	Sangitla	Sangitla	Sangitla	Sangitla
7	0126CE171007	DEEPAK KUMAR LOHARE	D.Kumar	D.Kumar	D.Kumar	D.Kumar	D.Kumar
8	0126CE171008	DHANYA SAHU	D.Sahu	D.Sahu	D.Sahu	D.Sahu	D.Sahu
9	0126CE171009	ESHAN THOSARE	Eshan	Eshan	Eshan	Eshan	Eshan
10	0126CE171010	MAHAVEER SINGH	M.Singh	M.Singh	M.Singh	M.Singh	M.Singh
11	0126CE171011	MD DANISH RAZA	(A)	Raza	Raza	Raza	Raza
12	0126CE171012	MD AAMIR KHAN	(A)	(A)	(A)	(A)	(A)
13	0126CE171013	PAWAN KUMAR PATEL	Pawant	Pawant	Pawant	Pawant	Pawant
14	0126CE171014	PRAFUL RASELA	R.Prafal	R.Prafal	R.Prafal	R.Prafal	R.Prafal
15	0126CE171015	PRAGYEY PATIDAR	P.P	P.P	P.P	P.P	P.P
16	0126CE171016	PRATIKSHA RAUT	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut
17	0126CE171017	PRAVEEN JETHWANT	Jeth	Jeth	Jeth	Jeth	Jeth
18	0126CE171018	PRIYAM MISHRA	emis	emis	emis	emis	emis
19	0126CE171019	PULKIT DAMOR	P.Damor	P.Damor	P.Damor	P.Damor	P.Damor
20	0126CE171021	RAHUL GUPTA	R.Gupta	R.Gupta	R.Gupta	R.Gupta	R.Gupta
21	0126CE171022	RAHUL KUMAR	R.Kumar	R.Kumar	R.Kumar	R.Kumar	R.Kumar
22	0126CE171024	RAVI PRAKASH	R.Prakash	R.Prakash	R.Prakash	R.Prakash	R.Prakash
23	0126CE171025	SANDEEP KUMAR SAH	S.Sah	S.Sah	S.Sah	S.Sah	S.Sah
24	0126CE171026	SANSKAR RAJ LALAN TRIPATHI	Trip	Trip	Trip	Trip	Trip
25	0126CE183D01	RAKESH SAHU	(A)	Sahu	Sahu	Sahu	Sahu
26	0126CE183D02	SHIVANI RAI	(A)	(A)	(A)	(A)	(A)
27	0126CE183D03	SONU KUSHWAH	S.Kushwa	S.Kushwa	S.Kushwa	S.Kushwa	S.Kushwa
28	0126CE183D04	VARUN KUMAR GAUTAM	(A)	(A)	(A)	(A)	(A)




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Department of Civil Engineering

Value Added Course: AUTO CAD

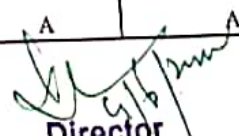
Course Code: CE 20001


Date - 10/09/2018 to 14/09/2018

ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126CE171001	ABHISHEK PATHAK	45	47.5	92.5	Eligible
2	0126CE171002	AKASH BADOLE	35	40	75	Eligible
3	0126CE171003	AMARNATH YADAV	45	40	85	Eligible
4	0126CE171004	ASIF MEHRAJ MALIK	45	40	85	Eligible
5	0126CE171005	AYUSH SINGH PARIHAR	45	45	90	Eligible
6	0126CE171006	CHIRANJIV SANGITLA	35	40	75	Eligible
7	0126CE171007	DEEPAK KUMAR LOHARE	35	40	75	Eligible
8	0126CE171008	DHANYA SAHU	38	40	78	Eligible
9	0126CE171009	ESHAN THOSARE	32	45	77	Eligible
10	0126CE171010	MAHAVEER SINGH	31	47.5	78.5	Eligible
11	0126CE171011	MD DANISH RAZA	40	42.5	82.5	Eligible
12	0126CE171012	MD AAMIR KHAN	35	40	75	Not Eligible
13	0126CE171013	PAWAN KUMAR PATEL	30	30	60	Eligible
14	0126CE171014	PRAFUL RASELA	35	35	70	Eligible
15	0126CE171015	PRAGYEY PATIDAR	42	40	82	Eligible
16	0126CE171016	PRATIKSHA RAUT	38	40	78	Eligible
17	0126CE171017	PRAVEEN JETHWANT	37	40	77	Eligible
18	0126CE171018	PRIYAM MISHRA	35	45	80	Eligible
19	0126CE171019	PULKIT DAMOR	26	40	66	Eligible
20	0126CE171021	RAHUL GUPTA	28	40	68	Eligible
21	0126CE171022	RAHUL KUMAR	28	40	68	Eligible
22	0126CE171024	RAVI PRAKASH	40	47.5	87.5	Eligible
23	0126CE171025	SANDEEP KUMAR SAH	35	40	75	Eligible
24	0126CE171026	SANSKAR RAJ LALAN TRIPATHI	29	40	69	Eligible
25	0126CE183D01	RAKESH SAHU	35	40	75	Eligible
26	0126CE183D02	SHIVANI RAI	A	A	0	Not Eligible
27	0126CE183D03	SONU KUSHWAH	35	40	75	Eligible
28	0126CE183D04	VARUN KUMAR GAUTAM	A	A	0	Not Eligible




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Head of Department
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Course Evaluation/ Feedback Form


Value Added Course	AUTO CAD
Date:	10/09/2018- 14/09/2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Alok Goyal

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4/ 3 2 1
2. The Course was well organized.	4/ 3 2 1
3. The information and/or skills presented were relevant and useful	4/ 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4/ 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 3/ 2 1
6. The materials provided were sufficient & appropriate for the program.	4/ 3 2 1
7. The physical arrangements were adequate.	4/ 3 2 1




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Oriental College of Technology, Bhopal

Department of Civil Engineering

Value Added Course: AUTO CAD

Course Code: CE 20001

Date - 10/09/2018 to 14/09/2018



Certified

10/9/2018

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



DEPARTMENT OF CIVIL ENGINEERING

SESSION: 2018-19

CERTIFICATE

This is to certify that Mr./Ms ABHISHEK PATHAK of CE III Semester, OCT, Bhopal, has Successfully Completed the "Value Added Course" on "Auto CAD" during 10-14 Sept 2018, organized by Department of Civil Engineering, Oriental College of Technology, Bhopal.

Co-Ordinator, CE, OCT

Head of Department, CE OCT

Director, OCT



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY

BHOPAL



Department of Civil Engineering

Report on Value Added Course on "AUTOCAD"

Date and Time: 10/09/2018 to 14/09/2018.

Venue: CE, OCT Campus.

Organized by: CE, OCT, Bhopal.

Name of the Speakers: Mr. Manish Kumar Sharma (HOD CE), Mr. Alok Goyal

Participants Details: Second year students of Department of Civil Engineering.


Summary of the Event

The Value added course plays an important role in strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Civil Engineering Department of Oriental College of Technology had organized "Value Added Course on Auto Cad" from 10/09/2018 to 14/09/2018 for the students of second year.

This Course syllabus was covered by Mr. Manish Kumar Sharma (HOD CE), Mr. Alok Goyal CE, OCT in 30 Hrs. of 5-Day program.

On 10/09/2018, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.



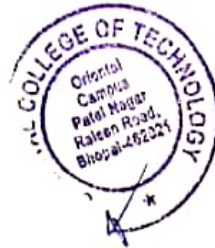

10/9/20
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On 10/09/2018, Mr. Manish Kumar Sharma (HOD CE), Mr.Alok Goyal, make students Learned Introduction to AUTO CAD Software & Introduction to 2D & 3D drawings. On 11/09/2018, Mr. Mr.Alok Goyal, make students Learned Introductions to principle of projection, Arc circles and eclipse. On 12/09/2018, Mr.Alok Goyal, make students learned 3D Drawing & Drawing various structural elements of a building & Footings. On 13/09/2018, Mr.Alok Goyal Conducted Practice Session on Various commands of AUTOCAD such as saving and plotting commands. On 14/09/2018, Mr.Alok Goyal, assigned to draw Designing of 2 BHK plan followed by Value added course assessment test organised by Mr.Alok Goyal. At last Mr. Manish Kumar Sharma (HOD CE) Convenor of Course gave away the vote of thank. He also thanked Mr.Alok Goyal for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Mr. Manish Kumar Sharma

Course Convenor

CE, OCT



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Bhopal



Oriental College Of Technology, Bhopal

Date: 17 June 2014

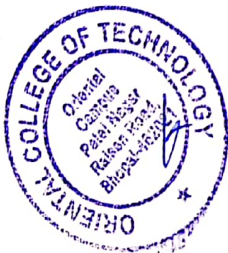
Policy of Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Test Score, with minimum of 60% attendance
6. Student will be eligible for a certificate only if:
 - a. Class Room Assessment $\geq 25/50$
 - b. Exam Score $\geq 25/50$.
 - c. If one of the 2 criteria is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Carithree
17/06/14
Director, OCT

Copy to:

1. Academic Committee
2. All HoD's, OCT



Director
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
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Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....

Place: Signature

Date: Signature with Seal
Head of the Department



CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Dr. L. K. Vishwamitra
oethodcse@oriental.ac.in
Mobile: +919630087969

COURSE COORDINATOR

Ms. Bhavna Gupta
Mobile: +919584559227

ORGANISING COMMITTEE MEMBERS

Mr. Sourabh Jain
Mr. Saket Gupta

CONTACT

Dr. L. K. Vishwamitra
oethodcse@oriental.ac.in
Mobile: +919630087969
Mr. Amit Dubey
Mobile: +91903991101

Oriental College of Technology, Bhopal



Value Added Course

On

**“Advanced Java
Programming”**

[10-14, September, 2018]

For III-Year Students

Organized By

Department of Computer Science Engineering

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal
Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal – 462021
Phone: 0755-2529057, Fax: 0755-2529472

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Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Computer Science is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The CS Department offers M.Tech Course in Computer Science Engineering along with

Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "Advanced Java Programming" is a Value-Added course which will focus on providing knowledge on developing web applications, advanced Java fundamentals like JSP, JDBC, etc.

OBJECTIVES & CONTENTS

Advanced Java is everything that goes beyond Core Java – most importantly the APIs defined in Java Enterprise Edition, includes Servlet programming, Web Services, the Persistence API, etc. It is a Web & Enterprise application development platform which basically follows client & server architecture.

- ✓ To know about JDBC (Java Database Connectivity) and their architecture.
- ✓ To know about Java Servlets and JSP (Java Servlet Pages).
- ✓ To know about Applets and Java network programming.
- ✓ To learn about Java Beans and Swing.
- ✓ To know about Frameworks and basics of Struts, Java Development

ELIGIBILITY

The Third year Students of Computer Science Engineering branch are eligible to attend the Advanced Java Programming course.

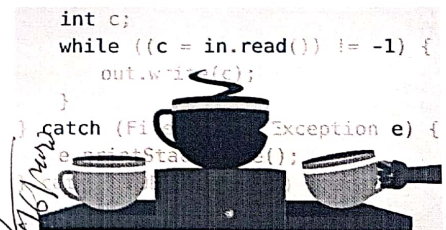
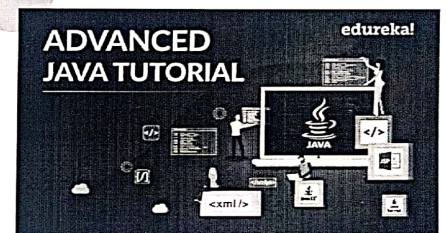
REGISTRATION

No Registration fees.

INVITED SPEAKERS

Mr. Sourabh Jain

Associate Professor, Dept CSE, OCT Bhopal



Sourabh Jain
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Computer Science & Engineering

Advanced Java Programming Syllabus (CSE 30001)

Basics of Servlet

Servlet: What and Why?, Basics of Web, Servlet API, Servlet Interface, GenericServlet
HttpServlet, Servlet Life Cycle, Working with Apache Tomcat Server, Steps to create a servlet in
Tomcat, How servlet works?, servlet in Myeclipse, servlet in Eclipse, servlet in Netbeans

Basics of JSP

Scripting elements, Implicit Objects, Directive Elements, Exception Handling, Action Elements, Expression
Language, MVC in JSP, JSTL, Custom tags, Project Development in JSP

Java Mail API

Sending Email, Sending email through Gmail server, Receiving Email, Sending HTML content

Basics of Struts2

Struts : What and Why?, Model1 vs Model2, Struts2 Features, Steps to create Struts2 application
Understanding Action class, Understanding struts.xml file, Struts2 in Eclipse IDE, Struts2 in Myeclipse
IDE

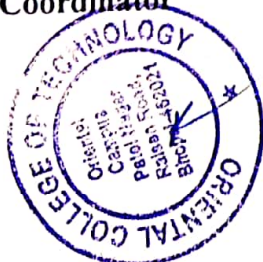
Introduction to JavaEE

The Need for JavaEE., Overview on the JavaEE Architecture, JavaEE Key Standards

Web Technology

HTML 5, CSS, Javascript, JQuery, AJAX.

Bhandari
Faculty Coordinator



M. J. Shaw
Director
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XW
Head of Department

SCHEDULE- Advanced Java Programming(CSE 30001)

5 Days Value Added Course on Advanced Java Programming [10Sep 2018 to 14Sep 2018]

10 Sep 2018--Day-I

Time	Session	Instructor
9:30-10:00 AM	Inaugural Programme	
10:00-12:30PM	Basics of Web, Servlet and API	Mr. Sourabh Jain
12:30-1:10PM	LUNCH	
01:10-3:10PM	Working with Apache Tomcat Server	Mr. Sourabh Jain
3:10 -3:30PM	Break	
03:30-5:30PM	Practice session	Mr. Saket Gupta

11 Sep 2018--Day-II

Time	Session	Instructor
9:00-11:00AM	Introducing basics of JSP	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Exception handling action elements, expression language, MVC in JSP, JSTL, project development in JSP	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session	Mr. Saket Gupta

12 Sep 2018--Day-III

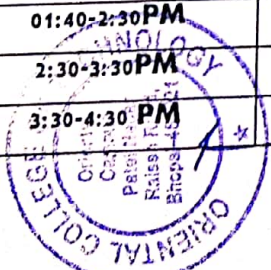
Time	Session	Instructor
9:00-11:00AM	Introducing Java Mail API	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Sending & receiving email through Gmail server, sending html content	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session	Mr. Saket Gupta

13 Sep 2018--Day-IV

Time	Session	Instructor
9:00-11:00AM	Basics of Struts2 and applications	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Saket Gupta
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session	Mr. Saket Gupta

14 Sep 2018--Day-V

Time	Session	Instructor
9:00-11:00AM	Introduction to Java EE and Web Technology	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	HTML5, CSS, JavaScript, JQuery, AJAX	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-2:30PM	Practice session	Mr. Saket Gupta
2:30-3:30PM	Feedback from students	Mr. Saket Gupta
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Sourabh Jain



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Department of Computer Science & Engineering

Marks Scored: _____

Semester: V Subject Name/Code: *ADVANCED JAVA Programming (30001)*

Max Marks: 50

Name of Student: _____ Enrollment No: _____

1) Which one of the following is not true?

- (a) A class containing abstract methods is called an abstract class.
- (b) Abstract methods should be implemented in the derived class.
- (c) An abstract class cannot have non-abstract methods.
- (d) A class must be qualified as 'abstract' class, if it contains one abstract method.
- (e) None of the above.

2) Which of the following is true?

- (a) A finally block is executed before the catch block but after the try block.
- (b) A finally block is executed, only after the catch block is executed.
- (c) A finally block is executed whether an exception is thrown or not.
- (d) A finally block is executed, only if an exception occurs.
- (e) None of the above.

3) Among these expressions, which is(are) of type String?

- (a) "0"
- (b) "ab" + "cd"
- (c) '0'
- (d) Both (A) and (B) above (e) (A), (B) and (C) above.

4) What is the type and value of the following expression? (Notice the integer division)

$$-4 + 1/2 + 2*-3 + 5.0$$

- (a) int -5
- (b) double -4.5
- (c) int -4
- (d) double -5.0

5) What is printed by the following statement?

```
System.out.print("Hello \nworld!");
```

- (a) Hello, \nworld! (b) Hello, world!
- (c) Hello,



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World.

(d) "Hello, \nworld!" (e) None of the above.

6) Which of the following is TRUE?

- (a) In java, an instance field declared public generates a compilation error.
- (b) int is the name of a class available in the package java.lang
- (c) Instance variable names may only contain letters and digits.
- (d) A class has always a constructor (possibly automatically supplied by the java compiler).
- (e) The more comments in a program, the faster the program runs.

7) A constructor

- (a) Must have the same name as the class it is declared within.
- (b) Is used to create objects.
- (c) May be declared private
- (d) Both (A) and (B) above
- (e) (a), (b) and (c) above.

8) What is byte code in the context of Java?

- (a) The type of code generated by a Java compiler.
- (b) The type of code generated by a Java Virtual Machine.
- (c) It is another name for a Java source file.
- (d) It is the code written within the instance methods of a class.
- (e) It is another name for comments written within a program.

9) The java run time system automatically calls this method while garbage collection.

- (a) finalizer()
- (b) finalize()
- (c) finally()
- (d) finalized()

10) An overloaded method consists of,

- (a) The same method name with different types of parameters
- (b) The same method name with different number of parameters
- (c) The same method name and same number and type of parameters with different return type
- (d) Both (a) and (b) above
- (e) (a), (b) and (c) above.

11) What is the output of the following code:

```
class eq
{
public static void main(String args[])
{
```



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```
String s1 = "Hello";
String s2 = new String(s1);
System.out.println(s1==s2);
}
}
```

- (a) true
- (b) false
- (c) 0
- (d) 1

12) All exception types are subclasses of the built-in class

- (a) Exception
- (b) RuntimeException
- (c) Error
- (d) Throwable

13) In java, objects are passed as

- (a) Copy of that object
- (b) Method called call by value
- (c) Memory address
- (d) Constructor

14. Which of the below is not a subinterface of Queue?

- a) BlockingQueue
- b) BlockingEnque
- c) TransferQueue
- d) BlockingQueue

15. What is the remaining capacity of BlockingQueue whose intrinsic capacity is not defined?

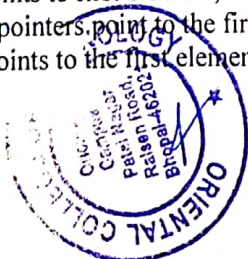
- a) Integer.MAX_VALUE
- b) BigDecimal.MAX_VALUE
- c) 99999999
- d) Integer.INFINITY

16. What is the difference between Queue and Stack?

- a) Stack is LIFO; Queue is FIFO
- b) Queue is LIFO; Stack is FIFO
- c) Stack and Queue is FIFO
- d) Stack and Queue is LIFO

17. What are the use of front and rear pointers in CircularQueue implementation?

- a) Front pointer points to first element; rear pointer points to the last element
- b) Rear pointer points to first element; front pointer points to the last element
- c) Front and read pointers point to the first element
- d) Front pointer points to the first element; rear pointer points to null object



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18. Which data structure is used in Breadth First Traversal of a graph?

- a) Stack
- b) Queue
- c) Array
- d) Tree

19. Where does a new element be inserted in linked list implementation of a queue?

- a) Head of list
- b) Tail of list
- c) At the centre of list
- d) All the old entries are pushed and then the new element is inserted

20. If the size of the array used to implement a circular queue is MAX_SIZE. How rear moves to traverse in order to insert an element in the queue?

- a) $\text{rear} = (\text{rear} \% 1) + \text{MAX_SIZE}$
- b) $\text{rear} = (\text{rear} + 1) \% \text{MAX_SIZE}$
- c) $\text{rear} = \text{rear} + (1 \% \text{MAX_SIZE})$
- d) $\text{rear} = \text{rear} \% (\text{MAX_SIZE} + 1)$

21. PriorityQueue is thread safe.

- a) True
- b) False

22. What is the remaining capacity of Blocking Queue whose intrinsic capacity is not defined?

- a) Integer.MAX_VALUE
- b) BigDecimal.MAX_VALUE
- c) 99999999
- d) Integer.INFINITY

23. What is difference between dequeue() and peek() function of java?

- a) dequeue() and peek() remove and return the next item in line
- b) dequeue() and peek() return the next item in line
- c) dequeue() removes and returns the next item in line while peek() returns the next item in line
- d) peek() removes and returns the next item in line while dequeue() returns the next item in line

24. What are the use of front and rear pointers in CircularQueue implementation?

- a) Front pointer points to first element; rear pointer points to the last element
- b) Rear pointer points to first element; front pointer points to the last element
- c) Front and rear pointers point to the first element
- d) Front pointer points to the first element; rear pointer points to null object

25. What is the correct method used to insert and delete items from the queue?

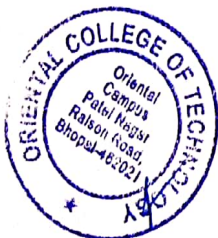
- a) push and pop
- b) enqueue and dequeue
- c) enqueue and peek
- d) add and remove



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Advanced Java Programming Syllabus (CSE 30001)

Ans
1-c
2-c
3-d
4-d
5-c
6-d
7-e
8-a
9-b
10-d
11-b
12-d
13-c
14-b
15-a
16-a
17-c
18-b
19-b
20-b
21-a
22-a
23-c
24-c
25-b



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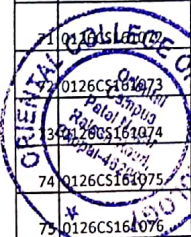
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DEPARTMENT OF CSE						
ATTENDANCE						
SNO	ENROLL NO	NAME				
1	0126CS161001	AASHI NEKAR	A	A	A	A
2	0126CS161002	ADARSH PATEL	A	A	A	A
3	0126CS161003	ADITYA BANSAI	A	A	A	A
4	0126CS161004	ADITYA BAGHUVANSHI	A	A	A	A
5	0126CS161005	ADITYA SINGHRAJPUT	A	A	A	A
6	0126CS161006	AKANKSHA CHAPRA	A	A	A	A
7	0126CS161007	AKASH PURWAR	A	A	A	A
8	0126CS161008	AKSHAT NAHAR	A	A	A	A
9	0126CS161009	AKSHAT VISHWAKARMA	A	A	A	A
10	0126CS161010	AKSHAY GUPTA	A	A	A	A
11	0126CS161011	AMAN KUMAR	A	A	A	A
12	0126CS161012	AMAN PATHAK	A	A	A	A
13	0126CS161013	AMAN SAHU	A	A	A	A
14	0126CS161014	AMIT SINGH	A	A	A	A
15	0126CS161015	ANIRUDDHA GANORKAR	A	A	A	A
16	0126CS161016	ANJALI NARTAM	A	A	A	A
17	0126CS161017	ANKIT SINGH	A	A	A	A
18	0126CS161018	ANOOB SHARMA	A	A	A	A
19	0126CS161019	ANSHUL AGRAWAL	A	A	A	A
20	0126CS161020	ARCHIT BHATT	A	A	A	A
21	0126CS161021	ARIAN SINGHBHATI	A	A	A	A
22	0126CS161022	ARIAN VERMA	A	A	A	A
23	0126CS161023	ASHISH KUMARYADAV	A	A	A	A
24	0126CS161024	ASHISH SHUKLA	A	A	A	A
25	0126CS161025	ASHLESHA ADONGRE	A	A	A	A
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27	0126CS161027	ASHUTOSH SONI	A	A	A	A
28	0126CS161028	ASHUTOSH UPADHYAY	A	A	A	A
29	0126CS161029	ASMITA SHRIVASTAVA	A	A	A	A
30	0126CS161030	AVINASH SINGH	A	A	A	A
31	0126CS161031	BHAVINA SHRIBANDHU	A	A	A	A
32	0126CS161032	CHITRESH SINGHLODHI	A	A	A	A
33	0126CS161033	DARAIN KHAN	A	A	A	A
34	0126CS161034	DEEPAK KUMAR	A	A	A	A



Date: 10/10/2020
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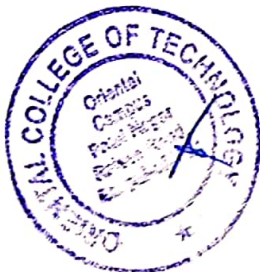
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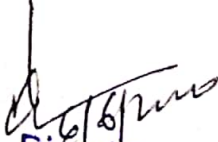
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38	0126CS161038	HARSHITA VERMA	Harshita	A	Harshita	A	Harshita
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40	0126CS161040	HEMANT YADAV	Hemant	A	Hemant	A	Hemant
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43	0126CS161044	JYOTSNA YADUWANSHEE	Jyotsna	A	Jyotsna	A	Jyotsna
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45	0126CS161046	KARUNYA SHARMA	Karunya	A	Karunya	A	Karunya
46	0126CS161047	KHUSHBOO THAKUR	Khushboo	A	Khushboo	A	Khushboo
47	0126CS161048	KUMAR PIYUSHRAJ	K.P.	A	K.P.	A	K.P.
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52	0126CS161053	MOHAMMAD EHATESHAMDAUDI	Mohammad	A	Mohammad	A	Mohammad
53	0126CS161054	MONIKA KUMARISAH	Monika	A	Monika	A	Monika
54	0126CS161055	MONU YADAV	Monu	A	Monu	A	Monu
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57	0126CS161058	NAYAN JOSHI	Nayan	A	Nayan	A	Nayan
58	0126CS161059	NEELAM GUPTA	Neelam	A	Neelam	A	Neelam
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72	0126CS161073	PRIVANSHI SONI	P.S.	A	P.S.	A	P.S.
73	0126CS161074	PRIVANSHU SHRIVASTAV	P.S.	A	P.S.	A	P.S.
74	0126CS161075	PULJA VERMA	Pulja	A	Pulja	A	Pulja
75	0126CS161076	PULKIT MATHUR	Pulkit	A	Pulkit	A	Pulkit



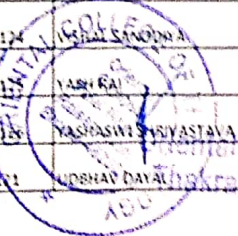
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Bhopal

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77	0126CS161078	RAGHVENDRA MEENA	A	A	A	A	A
78	0126CS161079	RAHUL JHA	Rahul	Rahul	Rahul	Rahul	Rahul
79	0126CS161080	RAJAT TIWARI	Rajat	Rajat	Rajat	A	Rajat
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81	0126CS161082	RAM NARAYANVISHWAKARMA	RAM	A	Ram	A	RAM
82	0126CS161083	RAVI KUMAR	Ravi	Ravi	A	Ravi	A
83	0126CS161084	RITU YADAV	RITU	Ritu	RITU	A	RITU
84	0126CS161085	SACHIN SHARMA	Sach	Sach	A	Sach	A
85	0126CS161086	SAGAR SHANKARAN	A	A	A	A	A




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80	0126CS16107	SAHIL KUSHWAHA	A	A	A	A	A
81	0126CS16108	SAHIL GUPTA	SAHIL GUPTA	A	SAHIL GUPTA	A	SAHIL GUPTA
82	0126CS16109	SAHIL KHARWAT	SAHIL KHARWAT	A	SAHIL KHARWAT	A	SAHIL KHARWAT
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89	0126CS16116	SAHIL SHARMA	SAHIL SHARMA	A	SAHIL SHARMA	A	SAHIL SHARMA
90	0126CS16117	SAHIL SINGH	SAHIL SINGH	A	SAHIL SINGH	A	SAHIL SINGH
91	0126CS16118	SAHIL SINGH	SAHIL SINGH	A	SAHIL SINGH	A	SAHIL SINGH
92	0126CS16119	SAHIL KASHYAP	SAHIL KASHYAP	A	SAHIL KASHYAP	A	SAHIL KASHYAP
93	0126CS16120	SAHIL JAIN	SAHIL JAIN	A	SAHIL JAIN	A	SAHIL JAIN
94	0126CS16121	SAHIL CHAKRABARTI	SAHIL CHAKRABARTI	A	SAHIL CHAKRABARTI	A	SAHIL CHAKRABARTI
95	0126CS16122	SAHIL KUMAR	SAHIL KUMAR	A	SAHIL KUMAR	A	SAHIL KUMAR
96	0126CS16123	SAHIL KUMAR	SAHIL KUMAR	A	SAHIL KUMAR	A	SAHIL KUMAR
97	0126CS16124	SAHIL SAHA	SAHIL SAHA	A	SAHIL SAHA	A	SAHIL SAHA
98	0126CS16125	SAHIL YADAV	SAHIL YADAV	A	SAHIL YADAV	A	SAHIL YADAV
99	0126CS16126	SAHIL	SAHIL	A	SAHIL	A	SAHIL
100	0126CS16127	SAHIL ANAND	SAHIL ANAND	A	SAHIL ANAND	A	SAHIL ANAND
101	0126CS16128	SINGH SANGAL PRANDEEP	SINGH SANGAL PRANDEEP	A	SINGH SANGAL PRANDEEP	A	SINGH SANGAL PRANDEEP
102	0126CS16129	SOURASH DANGI	SOURASH DANGI	A	SOURASH DANGI	A	SOURASH DANGI
103	0126CS16130	SURSHI CHANDRAWANSHI	SURSHI CHANDRAWANSHI	A	SURSHI CHANDRAWANSHI	A	SURSHI CHANDRAWANSHI
104	0126CS16131	SURSHI KUSHWAHA	SURSHI KUSHWAHA	A	SURSHI KUSHWAHA	A	SURSHI KUSHWAHA
105	0126CS16132	SUREET PATEL	SUREET PATEL	A	SUREET PATEL	A	SUREET PATEL
106	0126CS16133	SURAJ SINGHDALAL	SURAJ SINGHDALAL	A	SURAJ SINGHDALAL	A	SURAJ SINGHDALAL
107	0126CS16134	SWAPNA TORIYA	SWAPNA TORIYA	A	SWAPNA TORIYA	A	SWAPNA TORIYA
108	0126CS16135	TANUSHREE SADORIA	TANUSHREE SADORIA	A	TANUSHREE SADORIA	A	TANUSHREE SADORIA
109	0126CS16136	TUSHAR DAMANE	TUSHAR DAMANE	A	TUSHAR DAMANE	A	TUSHAR DAMANE
110	0126CS16137	UTKARSH GANGWAR	UTKARSH GANGWAR	A	UTKARSH GANGWAR	A	UTKARSH GANGWAR
111	0126CS16138	UTKARSH RATHORE	UTKARSH RATHORE	A	UTKARSH RATHORE	A	UTKARSH RATHORE
112	0126CS16139	UTKARSH SONI	UTKARSH SONI	A	UTKARSH SONI	A	UTKARSH SONI
113	0126CS16140	VAIBHAV TIWARI	VAIBHAV TIWARI	A	VAIBHAV TIWARI	A	VAIBHAV TIWARI
114	0126CS16141	VAISHNAVI YADAV	VAISHNAVI YADAV	A	VAISHNAVI YADAV	A	VAISHNAVI YADAV
115	0126CS16142	VINAMRA JAIN	VINAMRA JAIN	A	VINAMRA JAIN	A	VINAMRA JAIN
116	0126CS16143	VINAY RAO	VINAY RAO	A	VINAY RAO	A	VINAY RAO
117	0126CS16144	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
118	0126CS16145	VINAY RAO	VINAY RAO	A	VINAY RAO	A	VINAY RAO
119	0126CS16146	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
120	0126CS16147	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
121	0126CS16148	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
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123	0126CS16150	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
124	0126CS16151	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
125	0126CS16152	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR
126	0126CS16153	VINAY KUMAR	VINAY KUMAR	A	VINAY KUMAR	A	VINAY KUMAR



Bhopal

Department of
Company Administration & Management

Oriental College of Technology, Bhopal
Computer Science & Engineering Department
Value Added Course: Advance Java Programming, 10-14 Sept 2018
Course Code: CSE 30001

ASSESSMENT SHEET

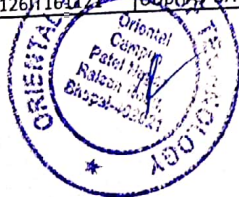
Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126CS161001	AASHI NERKAR	34	41	75	Eligible
2	0126CS161002	ADARSH PATEL	42	41	83	Eligible
3	0126CS161003	ADITYA BANSAL	29	45	74	Eligible
4	0126CS161004	ADITYA RAGHUVANSHI	37	40	77	Eligible
5	0126CS161005	ADITYA SINGHRAJPUT	34	45	79	Eligible
6	0126CS161006	AKANKSHA CHAPRA	40	47	87	Eligible
7	0126CS161007	AKASH PURWAR	31	40	71	Eligible
8	0126CS161008	AKSHAT NAHAR	35	40	75	Eligible
9	0126CS161009	AKSHAT VISHWAKARMA	41	45	86	Eligible
10	0126CS161010	AKSHAY GUPTA	42	40	82	Eligible
11	0126CS161011	AMAN KUMAR	A	A	0	Not Eligible
12	0126CS161012	AMAN PATHAK	A	A	0	Not Eligible
13	0126CS161013	AMAN SAHU	35	40	75	Eligible
14	0126CS161014	AMAN SAHU	30	30	60	Eligible
15	0126CS161015	AMIT SINGH	30	30	70	Eligible
16	0126CS161016	ANIRUDDHA GANORKAR	35	35	70	Eligible
17	0126CS161017	ANJAL NARTAM	42	40	82	Eligible
18	0126CS161018	ANKIT SINGH	38	40	78	Eligible
19	0126CS161019	ANOOB SHARMA	A	A	0	Not Eligible
20	0126CS161020	ANSHUL AGRAWAL	35	40	75	Eligible
21	0126CS161021	ARCHIT BHATT	30	30	60	Eligible
22	0126CS161022	ARCHIT BHATT	35	35	70	Eligible
23	0126CS161023	ARYAN SINGHBHATI	35	40	75	Eligible
24	0126CS161024	ARYAN VERMA	42	40	82	Eligible
25	0126CS161025	ASHISH KUMARYADAV	38	40	78	Eligible
26	0126CS161026	ASHISH SHUKLA	35	35	70	Eligible
27	0126CS161027	ASHISH SHUKLA	35	35	70	Eligible
28	0126CS161028	ASHLESHA ADONGRE	A	A	0	Not Eligible
29	0126CS161029	ASHUTOSH PATHAK	A	A	0	Not Eligible
30	0126CS161030	ASHUTOSH SONI	A	A	0	Not Eligible
31	0126CS161031	ASHUTOSH UPADHYAY	35	40	75	Eligible
32	0126CS161032	ASHUTOSH SONI	35	40	75	Eligible
33	0126CS161033	ASHMITA SHRIVASTAVA	30	30	60	Eligible
34	0126CS161034	ASMITA SHRIVASTAVA	35	35	70	Eligible
35	0126CS161035	AVINASH SINGH	35	35	70	Eligible
36	0126CS161036	AVINASH SINGH	42	40	82	Eligible
37	0126CS161037	BHAVNA SHRIBANDHU	38	40	78	Eligible
38	0126CS161038	CHITRESH SINGHLODHI	A	A	0	Not Eligible
39	0126CS161039	DARAIN KHAN	A	A	0	Not Eligible
40	0126CS161040	DEEPAK KUMAR	35	45	80	Eligible
41	0126CS161041	DEEPAK KUMAR	35	45	80	Eligible
42	0126CS161042	DURGESH KUMARYADAV	45	47	92	Eligible
43	0126CS161043	DURGESH KUMARYADAV	A	A	0	Not Eligible
44	0126CS161044	GAGAN KUMARPALIA	35	35	70	Eligible
45	0126CS161045	HARSHA GOYAL	35	35	70	Eligible
46	0126CS161046	HARSHITA VERMA	42	40	82	Eligible
47	0126CS161047	HARSHITA VERMA	42	40	82	Eligible
48	0126CS161048	HEMANT SAHU	38	40	78	Eligible
49	0126CS161049	HEMANT SAHU	37	40	77	Eligible
50	0126CS161050	HEMANT YADAV	37	40	77	Eligible
51	0126CS161051	HIMANSHU KUMARYADAV	35	45	80	Eligible
52	0126CS161052	HIMANSHU KUMARYADAV	35	45	80	Eligible
53	0126CS161053	ISHA SRIVASTAVA	45	41	86	Eligible
54	0126CS161054	ISHA SRIVASTAVA	45	41	86	Eligible
55	0126CS161055	JYOTSNA YADUWANSHEE	35	40	75	Eligible
56	0126CS161056	JYOTSNA YADUWANSHEE	35	40	75	Eligible
57	0126CS161057	KARTHIK SHARMA	38	40	78	Eligible
58	0126CS161058	KARUNYA SHARMA	A	A	0	Not Eligible
59	0126CS161059	KARUNYA SHARMA	A	A	0	Not Eligible
60	0126CS161060	KHUSHBOO THAKUR	35	40	75	Eligible
61	0126CS161061	KHUSHBOO THAKUR	35	40	75	Eligible
62	0126CS161062	KUMAR PIYUSHRAJ	30	30	60	Eligible
63	0126CS161063	KUMAR PIYUSHRAJ	30	30	60	Eligible
64	0126CS161064	LATIKA KATRE	35	35	70	Eligible
65	0126CS161065	LATIKA KATRE	35	35	70	Eligible
66	0126CS161066	MANJEET SINGH	42	40	82	Eligible
67	0126CS161067	MANJEET SINGH	42	40	82	Eligible
68	0126CS161068	MAYANK BHATWADEKAR	38	40	78	Eligible
69	0126CS161069	MAYANK BHATWADEKAR	38	40	78	Eligible
70	0126CS161070	MAYANK BHATWADEKAR	35	35	70	Eligible
71	0126CS161071	MD SHAHANWAZALAM	35	35	70	Eligible
72	0126CS161072	MD SHAHANWAZALAM	A	A	0	Not Eligible
73	0126CS161073	MOHAMMAD EHATESHAMDA	A	A	0	Not Eligible
74	0126CS161074	MOHAMMAD EHATESHAMDA	35	40	75	Eligible
75	0126CS161075	MONIKA KUMARISAH	35	40	75	Eligible
76	0126CS161076	MONIKA KUMARISAH	30	30	60	Eligible
77	0126CS161077	MONU YADAV	30	30	60	Eligible
78	0126CS161078	MONU YADAV	35	35	70	Eligible
79	0126CS161079	MUSKAN	35	35	70	Eligible
80	0126CS161080	MUSKAN	42	40	82	Eligible
81	0126CS161081	NAVEEN BADWAIK	42	40	82	Eligible
82	0126CS161082	NAVEEN BADWAIK	38	40	78	Eligible
83	0126CS161083	NAYAN JOSHI	38	40	78	Eligible
84	0126CS161084	NAYAN JOSHI	35	35	70	Eligible
85	0126CS161085	NEELAM GUPTA	35	35	70	Eligible
86	0126CS161086	NEELAM GUPTA	A	A	0	Not Eligible
87	0126CS161087	NINAD RAJE	A	A	0	Not Eligible
88	0126CS161088	NINAD RAJE	35	35	70	Eligible
89	0126CS161089	NITISH PAWAR	35	35	70	Eligible
90	0126CS161090	NITISH PAWAR	35	35	70	Eligible
91	0126CS161091	PALLAV JAWADE	42	40	82	Eligible
92	0126CS161092	PALLAV JAWADE	42	40	82	Eligible

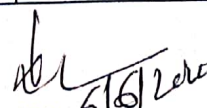


Director
Oriental College of Technology
Thakrol Nagar, Faisen Road
Bhopal

Head of Department
Computer Science & Engineering
Oriental College of Technology, Bhopal

62	0126CS161063	PANKAJ KUMAR				
63	0126CS161064	PARUL SHRIVASTAVA	38	40	78	Eligible
64	0126CS161065	PIYUSH BHAWSAR	37	40	77	Eligible
65	0126CS161066	PRADEEP KUMARPATEL	35	45	80	Eligible
66	0126CS161067	PRAFUL VISHWAKARMA	45	45	90	Eligible
67	0126CS161068	PRAGYA PAWAR	35	40	75	Eligible
68	0126CS161069	PRAJAKTA DATAR	38	40	78	Eligible
69	0126CS161070	PRANJAL SRIVASTAVA	42	40	82	Eligible
70	0126CS161071	PRATEEK KUMAR	38	40	78	Eligible
71	0126CS161072	PRIYA SONI	37	40	77	Eligible
72	0126CS161073	PRIYANSHI SONI	35	45	80	Eligible
73	0126CS161074	PRIYANSHU SHRIVASTAV	A	A	0	Not Eligible
74	0126CS161075	PUJA VERMA	42	40	82	Eligible
75	0126CS161076	PULKIT MATHUR	38	40	78	Eligible
76	0126CS161077	PULKIT MATHUR	37	40	77	Eligible
77	0126CS161078	RACHIT THAKUR	35	45	80	Eligible
78	0126CS161079	RAGHVENDRA MEENA	A	A	0	Not Eligible
79	0126CS161080	RAHUL JHA	35	40	75	Eligible
80	0126CS161081	RAJAT TIWARI	30	30	60	Eligible
81	0126CS161082	RAJEEV RANJAN	35	35	70	Eligible
82	0126CS161083	RAM NARAYANVISHWAKARM	42	40	82	Eligible
83	0126CS161084	RAVI KUMAR	38	40	78	Eligible
84	0126CS161085	RITU YADAV	35	45	80	Eligible
85	0126CS161086	SACHIN SHARMA	45	47	92	Eligible
86	0126CS161087	SAGAR SHANKARAN	A	A	0	Not Eligible
87	0126CS161088	SAHAJ KUSHWAHA	A	A	0	Not Eligible
88	0126CS161089	SAKSHI GUPTA	35	35	70	Eligible
89	0126CS161090	SAKSHI KHARPATE	42	40	82	Eligible
90	0126CS161091	SAKSHI SINHA	38	40	78	Eligible
91	0126CS161092	SAKSHI THAKUR	37	40	77	Eligible
92	0126CS161093	SAMRIDHI AGRAWAL	35	45	80	Eligible
93	0126CS161094	SAROJ KUMAR	45	45	90	Eligible
94	0126CS161095	SAWAN SHRIVASTAVA	35	40	75	Eligible
95	0126CS161096	SAYMA NAAZMANSOORI	30	30	60	Eligible
96	0126CS161097	SHASHANK BHARDWAJ	35	35	70	Eligible
97	0126CS161098	SHIVAM SINGH	42	40	82	Eligible
98	0126CS161099	SHIVANI SAHU	38	40	78	Eligible
99	0126CS161100	SHIVANSH KASYAP	35	35	70	Eligible
100	0126CS161101	SHRIKANT JANJALKAR	42	40	82	Eligible
101	0126CS161102	SHUBHAM CHAKRAWARTI	35	35	70	Eligible
102	0126CS161103	SHUBHAM KUMARBORKER	42	40	82	Eligible
103	0126CS161104	SHUBHAM KUMARPATEL	38	40	78	Eligible
104	0126CS161105	SHUBHAM SAHA	37	40	77	Eligible
105	0126CS161106	SIMRAN VISHWAKARMA	35	45	80	Eligible
106	0126CS161107	SMRITI	45	45	90	Eligible
107	0126CS161108	SNEHIL ANAND	35	40	75	Eligible
108	0126CS161109	SINGH SANKALPSANDEEP	38	40	78	Eligible
109	0126CS161110	SOURABH DANGI	35	35	70	Eligible
110	0126CS161111	SRUSHTI CHANDRAWANSHI	A	A	0	Not Eligible
111	0126CS161112	SUDHANSHU KUSHWAHA	35	35	70	Eligible
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113	0126CS161114	SURAJ SINGHDALAL	42	40	82	Eligible
114	0126CS161115	SWAPNIL TORIYA	38	40	78	Eligible
115	0126CS161116	TANUSHREE BADORIA	37	40	77	Eligible
116	0126CS161117	TUSHAR DAMAHE	35	45	80	Eligible
117	0126CS161118	UTKARSH GANGWAR	45	47.5	92.5	Eligible
118	0126CS161119	UTKARSH RATHORE	35	40	75	Eligible
119	0126CS161120	UTKARSH SONI	38	40	78	Eligible
120	0126CS161121	VAIBHAV TIWARI	42	40	82	Eligible
121	0126CS161122	VAISHNAVI YADAV	38	40	78	Eligible
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123	0126CS161124	VINAY RAO	35	45	80	Eligible
124	0126CS161125	VISHAL SANODIYA	A	A	0	Not Eligible
125	0126CS161126	YASH RAI	38	40	78	Eligible
126	0126CS161127	YASHASWI SHRIVASTAVA	35	45	80	Eligible
127	0126CS161128	YUBHAY DAYAL	45	45	90	Eligible




 Director
 Oriental College of Technology
 Thakral Nagar, Palson Road
 Bhopal

Head of Department
 Computer Science & Engineering
 Oriental College of Technology
 Bhopal

Feedback Form

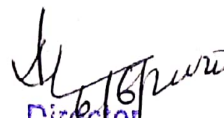
Value Added Course	Advanced Java Programming (CSE 30001)
Date:	10-14 Sep 2018
Program Location:	CSE Dept Oriental College of Technology, Bhopal
Presenter(s):	Mr. Sourabh Jain

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

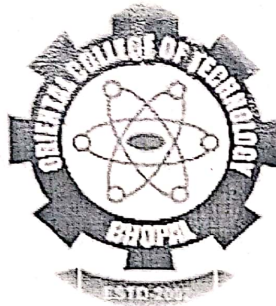
1. The Course objectives were stated clearly and met.	4 <u>3</u> 2 1
2. The Course was well organized.	<u>4</u> 3 2 1
3. The information and/or skills presented were relevant and useful	4 <u>3</u> 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	<u>4</u> 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 <u>3</u> 2 1
6. The materials provided were sufficient & appropriate for the program.	4 <u>3</u> 2 1
7. The physical arrangements were adequate.	4 <u>3</u> 2 1




 Director
 Oriental College of Technology
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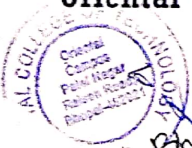
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Department of Computer Science & Engineering

This is to certify that Mr./Ms. ADITYA BANSAL of CS-V Sem , OCT, Bhopal, has Successfully Completed the "Value Added Course" on "Advance JAVA Programming" during 10-14 Sept 2018, organized by Computer Science and Engineering Department of Oriental College of Technology, Bhopal

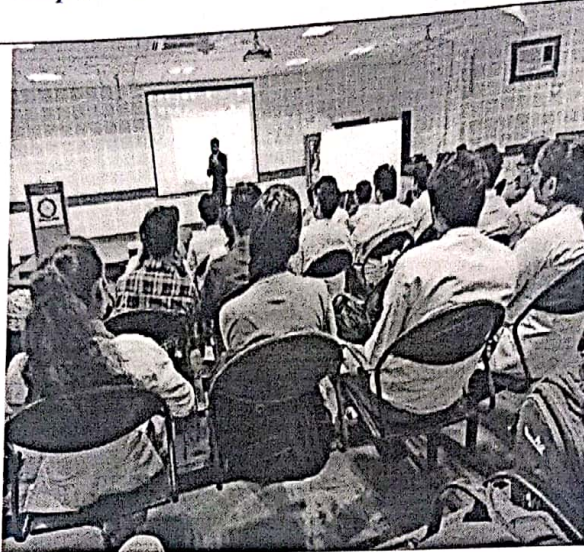


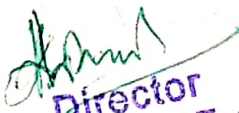
Bhaskar
Co-Ordinator, CS, OCT

K.S.
Head of Department, CS OCT

R.A. Khare
Director
Oriental College of Technology
Thakral Nagar, Bhopal
Director, OCT

Value Added Course	Advanced Java Programming (CSE 30001)
Date:	10-14 Sep 2018




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal





ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on Value Added Course on "ADVANCED JAVA PROGRAMMING"

Date and Time: 10-14, September, 2018

Organized by: CSE, OCT, Bhopal

Name of the Speakers: Mr. Saurabh Jain, Associate Professor, Mr. Saket Gupta Assistant Professor

Participants Details: For III -Year Students

Venue: CSE, OCT Campus

Summary of the Event

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "Advanced Java Programming" is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

The Department of Computer Science and Engineering Oriental College of Technology organized "Value Added Course on *Advanced Java Programming*" from 10 September 2018 to 14 September, 2018 for the students of Third year.

This Course syllabus was covered by Mr. Saurabh Jain Associate Professor, Mr. Saket Gupta Assistant Professor, CSE, OCT in 30 Hrs. of 5-Day program.

Inaugural Ceremony started by Director Speech on 10th September 2018 and this course is conducted as per schedule and on 14 th September, 2018 valedictory function was conducted.

Bhavna
Prof. Bhavna Gupta

Course Coordinator

CSE, OCT



Saket Gupta
Saket

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Phone No. -0755-2529015, 2529026
Fax: 0755-2529472
E-mail: directoroct@oriental.ac.in
Website: http://www.oriental.ac.in/oct-bhopal/

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Cavil Sharma
17/06/14

Director, OCT
Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT



[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....

Place:
Signature
Date:



Signature with Seal
Head of the Department

[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mrs. Roopali SOni
ochohodit@oriental.ac.in
Mobile: +919827042079

COURSE COORDINATOR

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Mobile: +918319454284
Mr. Imran Khan
Mobile: +917987787253

ORGANISING COMMITTEE MEMBERS

Mr. Avinash Sharma
Mrs. Alka Tripathi

CONTACT

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Mrs. Alka Tripathi
Mobile: +917879772184

Oriental College of Technology
Bhopal



Value Added Course

at
"JAVA"

[04-08, September, 2018]

For III - Year Students

Organized By

Department of Information Technology

Oriental College of Technology,
Thakral Nagar, Raisen Road Bhopal - 462011
Phone: 2529026, 2529027, Fax: 9755-2529027

[Signature]
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Oriental College of Technology, Bhopal

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal - Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Information Technology is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the

Department is in the area of Software Engineering, Database Management Systems, Data Structures etc. The Information Technology Department offers Undergraduate Program (B.E/ B.Tech) with an intake 120 Students.

ABOUT THE COURSE

Information Technology department plays prominent role in every domain and vital role in development of Nation. JAVA is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

Java is a widely used programming language expressly designed for use in the distributed environment of the internet. ... Java can be used to create complete applications that may run on a single computer or be distributed among servers and clients in a network.

ELIGIBILITY

The 2nd year Students of Information Technology branch are eligible to attend the Course on JAVA

REGISTRATION

✓ No Registration fees.

SPEAKERS

Mr. Imran Khan
[Assistant Professor, Oriental College of Technology, Bhopal]
Mrs. Amrita Pandit
[Assistant Professor, Oriental College of Technology, Bhopal]

Director
Oriental College of Technology
&
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Department of Information Technology

Syllabus of Value Added Course on

JAVA

Module -1

- The Java Virtual Machine Variables and data types
- Conditional and looping constructs
- Arrays
- Fields and Methods
- Overloading methods
- Garbage collection
- Nested classes
- Overriding methods

Module -2

- Polymorphism
- Making methods and classes final
- Abstract classes and methods
- Interfaces
- The Exception class
- Cloning objects
- The JDK LinkedList class
- Strings
- String conversions

Module-3

- Package access
- Documentation comments
- Configuring applets
- Applet capabilities and restrictions
- Layout Managers
- Event Handling
- The Action Listener interface
- Panels
- Classes for various controls, such as label, choice, list, checkbox, etc.
- Dialogs and frames

Module-4

- Using menus
- Using the adapter classes
- Graphics
- Synchronization
- Input Stream and OutputStream classes
- Reader and Writer classes
- Working with URLs
- Concepts of URLs



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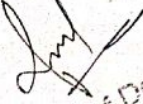
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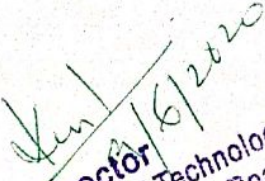
Module -5

- Java security
- JDBC Product
- Types of Drivers
- Two-Tier Client/Server Mode
- Three-Tier Client/Server Model
- Basic Steps of JDBC
- Creating and Executing SQL Statement
- The Result Set Object
- Working with Database MetaData
- Interface—
- Servlet Interaction & Advanced Servlets

Module -5

- Life cycle of Servlet
- Java Servlet Development Kit
- javax.servlet package.
- Reading Servlet Parameters
- Reading Initialization Parameters
- The javax.servlet.http Package
- Handling HTTP


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SCHEDULE

5 Days Value Added Course on JAVA [04-Sep-2018 To 08-Sep-2018]

04Sep 2018

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to JAVA Virtual Machine, Variables and types , Conditional Loping Statements	Mr Imran Khan
12:30-1:10PM	LUNCH	
01:10-3:10PM	Arrays ,Fields and Methods ,Overloading Methods Garbage Collection	Mr Imran Khan
3:10 -3:30PM	Break	
03:30-5:30PM	Nested Classes ,Overriding methods	Mr Imran Khan

05Sep 2018

Time	Session	Teacher
9:00-11:00AM	Polymorphism, Making methods and classes Final	Mr Imran Khan
11:00-11:30AM	Break	
11:30-01:00PM	Abstract classes and methods ,Interfaces	Mr Imran Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Exception class, Cloning objects JDK Linked List Class Strings ,Strings Conversions	Mr Imran Khan

06Sep 2018

Time	Session	Teacher
9:00-11:00AM	Package Access, Documentation comments ,Configuring applets ,Applets Capabilities	Mr Imran Khan
11:00-11:30AM	Break	
11:30-01:00PM	Layout Managers ,Event Handling, Action Listener Interfases Panels	Mr Imran Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Classes for various controls ,such as labels choice list ,Dialog and frames	Mr Imran Khan

07 Sep 2018

Time	Session	Teacher
9:00-11:00AM	Using Menus ,Using adapter Classes ,Graphics Synchronization Input stream and Output Streams	Mr Imran Khan
11:00-11:30AM	Break	
11:30-01:00PM	Reader Writer classes , Working with URL's Concepts of URLs,Servlets Interaction and Advanced Servlets	Mr Imran Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Class Room Assessment	Mr Imran Khan

08Sep 2018

Time	Session	Teacher
9:00-11:00AM	Life Cycle of Servlets , Java Servlet Development Kits	Mr Imran Khan
11:00-11:30AM	Break	
11:30-01:00PM	Reading Servlets parameters ,Reading Initializing Parameters	Mrs. Amita Pandit
01:00-1:40PM	LUNCH	
01:40-2:30PM	Handling User	Mrs. Amita Pandit
2:30-3:30PM		Mrs. Amita Pandit
3:30-4:30 PM	Valedictory & Certificate distribution	Mrs. Amita Pandit

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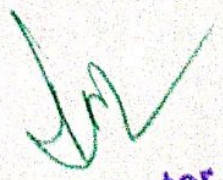
Objective type test on JAVA

Branch:	Information Technology		
Semester:	V Semester		
Subject:	Value added course on JAVA	Subject Code: IT 30001	Time: 1 Hour
Note	All questions are compulsory		Max Marks 50

1. What is the range of short data type in Java?
a) -128 to 127
b) -32768 to 32767
c) -2147483648 to 2147483647
d) None of the mentioned
2. What is the range of byte data type in Java?
a) -128 to 127
b) -32768 to 32767
c) -2147483648 to 2147483647
d) None of the mentioned
3. Which of the following are legal lines of Java code?
`int w = (int)888.8;`
`byte x = (byte)100L;`
`long y = (byte)100;`
`byte z = (byte)100L;`
a) 1 and 2
b) 2 and 3
c) 3 and 4
d) All statements are correct
4. An expression involving byte, int, and literal numbers is promoted to which of these?
a) int
b) long
c) byte
d) float
5. Which of these literals can be contained in float data type variable?
a) -1.7e+308
b) -3.4e+038
c) +1.7e+308
d) -3.4e+050
6. Which data type value is returned by all transcendental math functions?
a) int
b) float
c) double
d) long
7. What will be the output of the following Java code?

```
class average {  
    public static void main(String args[])  
  
        double num[] = {5.5, 10.1, 11, 12.8, 56.9, 2.5};  
        double result;
```




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Bhopal

```
        it = 0;
        for (int i = 0; i < 6; ++i)
            result = result + num[i];
        System.out.print(result/6);
    }
}
```

- a) 16.34
- b) 16.566666644
- c) 16.46666666666667
- d) 16.46666666666666

8 What will be the output of the following Java code?

```
class increment {
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
}
```

- a) 25
- b) 24
- c) 32
- d) 33

9 What is the order of variables in Enum?

- a) Ascending order
- b) Descending order
- c) Random order
- d) Depends on the order() method

10 Can we create an instance of Enum outside of Enum itself?

- a) True
- b) False

11 What will be the output of the following Java code?

```
enum Season
{
    WINTER, SPRING, SUMMER, FALL
};
System.out.println(Season.WINTER.ordinal());
```

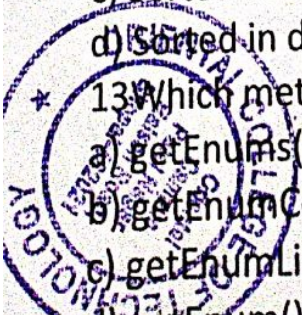
- a) 0
- b) 1
- c) 2
- d) 3

12 If we try to add Enum constants to a TreeSet, what sorting order will it use?

- a) Sorted in the order of declaration of Enums
- b) Sorted in alphabetical order of Enums
- c) Sorted based on order() method
- d) Sorted in descending order of names of Enums

13 Which method returns the elements of Enum class?

- a) getEnums()
- b) getEnumConstants()
- c) getEnumList()



Kuldeep Singh
29/6/2020
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class does all the Enums extend?

- a) Enum
- b) EnumClass

15 Are enums are type-safe?

- a) True
- b) False

16 Which of these is long data type literal?

- a) 0x99ffL
- b) ABCDEFG
- c) 0x99ffa
- d) 99671246

17 Which of these can be returned by the operator &?

- a) Integer
- b) Boolean
- c) Character
- d) Integer or Boolean

18 Literals in java must be appended by which of these?

- a) L
- b) l
- c) D
- d) L and l

19 Literal can be of which of these data types?

- a) integer
- b) float
- c) boolean
- d) all of the mentioned

20 Which of these can not be used for a variable name in Java?

- a) identifier
- b) keyword
- c) identifier & keyword
- d) none of the mentioned

21 Which of these is an incorrect string literal?

- a) "Hello World"
- b> "Hello\nWorld"
- c> "\"Hello World\""

22 Which of these operators is used to allocate memory to array variable in Java?

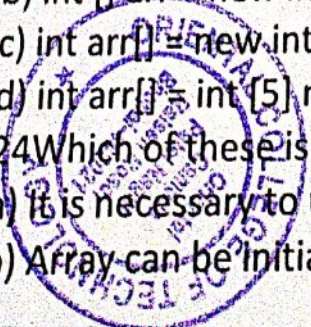
- a) malloc
- b) alloc
- c) new
- d) new malloc

23 Which of these is an incorrect array declaration?

- a) int arr[] = new int[5]
- b) int [] arr = new int[5]
- c) int arr[] = new int[5]
- d) int arr[] = int [5] new

24 Which of these is an incorrect statement?

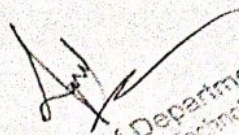
- a) It is necessary to use new operator to initialize an array
- b) Array can be initialized using comma separated expressions surrounded by curly braces

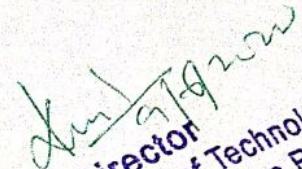


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- ... can be initialized when they are declared
... of the mentioned
... which of these is necessary to specify at time of array initialization?
- a) Row
 - b) Column
 - c) Both Row and Column
 - d) None of the mentioned


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ORIENTAL COLLEGE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: JAVA Programming

Course Code: IT 30001

ATTENDANCE SHEET

SEM: 5 SEM

Session July-dec 2018

SNo	Enrollment No	Student Name	4-Sep-18	5-Sep-18	6-Sep-18	7-Sep-18	8-Sep-18
1	0126IT161001	ABHISHEK SETHI	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	0126IT161002	ABHISHEK SIKARWAR	AB	AP	AP	AP	AP
3	0126IT161003	ABHISHEK WADHWANI	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	0126IT161004	ADITI CHATURVEDI	Aditi	Aditi	Aditi	Aditi	Aditi
5	0126IT161005	AMAN KESHARWANI	AP	AP	AP	AP	AP
6	0126IT161006	ANKIT KUMAR BHARTI	AN	AN	AN	AN	AN
7	0126IT161007	ANKIT RAGHUWANSHI	Ankit	Ankit	Ankit	Ankit	Ankit
8	0126IT161008	ANMOL GUPTA	AN	AN	AN	AN	AN
9	0126IT161009	ANSHU	Anshu	Anshu	Anshu	Anshu	Anshu
10	0126IT161010	ANUBHA NAUGARAIYA	AN	AN	AN	AN	AN
11	0126IT161011	ANUBHAV JAIN	Jain Anubh	Jain Anubh	Jain Anubh	Jain Anubh	Jain Anubh
12	0126IT161012	ANUBHAV SINGH	AN	AN	AN	AN	AN
13	0126IT161013	ARCHI SHENDE	archie	archie	archie	archie	archie
14	0126IT161014	ARJUN PATIDAR	AR	AR	AR	AR	AR
15	0126IT161015	ARPIT JAIN	Arpit	Arpit	Arpit	Arpit	Arpit
16	0126IT161016	ARUSHI KULSHRESHTH	Arushi	Arushi	Arushi	Arushi	Arushi
17	0126IT161017	ARVIND KUMAR SHARMA	Arvind	Arvind	Arvind	Arvind	Arvind
18	0126IT161018	ARYAN ARORA	Aryan	Aryan	Aryan	Aryan	Aryan
19	0126IT161020	ASHVINI SABLE	Ashvi	Ashvi	Ashvi	Ashvi	Ashvi
20	0126IT161021	ASHWINI KUMARI	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
21	0126IT161022	ATHARVA KULKARNI	AR	AR	AR	AR	AR
22	0126IT161023	AVINASH KUMAR	Avinash	Avinash	Avinash	Avinash	Avinash
23	0126IT161024	AVIRAL SINGH SHAKRAWAR	Airal	Airal	Airal	Airal	Airal
24	0126IT161025	AYUSH GUPTA	Ayush	Ayush	Ayush	Ayush	Ayush
25	0126IT161026	AYUSH RANJAN	AY	AY	AY	AY	AY
26	0126IT161027	AYUSH SHIRIVASTAVA	Ayush	Ayush	Ayush	Ayush	Ayush
27	0126IT161028	AYUSH S SHIRIVASTAVA	Ayush	Ayush	Ayush	Ayush	Ayush
28	0126IT161029	BHAGYESH SHARMA	BS	BS	BS	BS	BS
29	0126IT161030	BHAVYA KETHEPALLI	bhavya	bhavye	bhavye	bhavye	bhavye
30	0126IT161031	BHUMIKA MOTWANI	BM	BM	BM	BM	BM
31	0126IT161032	DAMINI M NAIR	Damini	Damini	Damini	Damini	Damini
32	0126IT161034	DEEPANK KASHYAP	DK	DK	DK	DK	DK
33	0126IT161035	DEEPIKA PATEL	Deepika	Deepika	Deepika	Deepika	Deepika
34	0126IT161036	DESH RATNA	Desh	Desh	Desh	Desh	Desh
35	0126IT161037	DIKSHA SHARMA	DI	DI	DI	DI	DI
36	0126IT161038	DINESH KOTWANI	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
37	0126IT161039	DISHA AGRAWAL	DI	DI	DI	DI	DI
38	0126IT161040	FAWAZ KAMAAL HASHMI	Fawaz	Fawaz	Fawaz	Fawaz	Fawaz
39	0126IT161041	GAURI RAGHUWANSIII	Gauri	Gauri	Gauri	Gauri	Gauri
40	0126IT161042	GOVIND YADAV	Govind	Govind	Govind	Govind	Govind
41	0126IT161043	GYAN PRAKASHI	GP	GP	GP	GP	GP
42	0126IT161044	HANIYA AHMED	Haniya	Haniya	Haniya	Haniya	Haniya
43	0126IT161045	HARDIK GUPTA	Hardik	Hardik	Hardik	Hardik	Hardik
44	0126IT161047	HITA JAIN	Hita	Hita	Hita	Hita	Hita
45	0126IT161048	JYOTSNA LAL	Jal	Jal	Jal	Jal	Jal
46	0126IT161049	KAPIL GULRAJANI	Kapil	Kapil	Kapil	Kapil	Kapil



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47	0126IT161050	KHYATI DIXIT	Khyati	Khyati	Khyati	Khyati	Khyati
48	0126IT161051	KUSHAGAR SINGH	Kushagra	Kushagra	Kushagra	Kushagra	Kushagra
49	0126IT161052	KUSHAGRA NEGI	Kushagra	Kushagra	Kushagra	Kushagra	Kushagra
50	0126IT161053	LAVEENA BALWANI	Laveena	Laveena	Laveena	Laveena	Laveena
51	0126IT161054	MADHUR SOHANEY	Madhur	Madhur	Madhur	Madhur	Madhur
52	0126IT161055	MAHAK AGRAWAL	Mahak	Mahak	Mahak	Mahak	Mahak
53	0126IT161056	MAHIMA SARRAF	Mahima	Mahima	Mahima	Mahima	Mahima
54	0126IT161057	MAHIMA SATSANGI	Mahima	Mahima	Mahima	Mahima	Mahima
55	0126IT161058	MANISH CHAKRAWARTI	A	A	A	A	A
56	0126IT161059	MANISH KUMAR KHARWAR	Manish	Manish	Manish	Manish	Manish
57	0126IT161060	MEGHA MAINI	Megha	Megha	Megha	Megha	Megha
58	0126IT161061	MOHAMMAD UMAR	Moham	Moham	Moham	Moham	Moham
59	0126IT161062	MOHIT JAIN	A	A	A	A	A
60	0126IT161063	NIKHIL DUBEY	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
61	0126IT161064	NINAD MISHRA	Ninad	Ninad	Ninad	Ninad	Ninad
62	0126IT161065	NITYA BAJPAI	Nitya	Nitya	Nitya	Nitya	Nitya
63	0126IT161066	NUPUR PALIWAL	Nupur	Nupur	Nupur	Nupur	Nupur
64	0126IT161067	PARAM VEER SINGH	Param	Param	Param	Param	Param
65	0126IT161068	PARUL PANDEY	Parul	Parul	Parul	Parul	Parul
66	0126IT161069	PIYUSH ANAND	Piyush	Piyush	Piyush	Piyush	Piyush
67	0126IT161070	PIYUSH GAUTAM	Piyush	Piyush	Piyush	Piyush	Piyush
68	0126IT161071	PRACHI GUPTA	Prachi	Prachi	Prachi	Prachi	Prachi
69	0126IT161072	PRAGATI SINGH	Pragati	Pragati	Pragati	Pragati	Pragati
70	0126IT161073	PRAGYA NAYAK	Pragya	Pragya	Pragya	Pragya	Pragya
71	0126IT161074	PRAJAWAL SHAH	Prajawal	Prajawal	Prajawal	Prajawal	Prajawal
72	0126IT161075	PRASHANT RANJAN SINGH	Prashant	Prashant	Prashant	Prashant	Prashant
73	0126IT161076	PRATEEK ANAND	A	A	A	A	A
74	0126IT161077	PRATYUSH MALVIYA	A	A	A	A	A
75	0126IT161078	PRIYANSHI SINGH	PS	PS	PS	PS	PS
76	0126IT161079	PURU SHARMA	Puru	Puru	Puru	Puru	Puru
77	0126IT161080	PUSHPANJALI KUMARI	Pushpanjali	Pushpanjali	Pushpanjali	Pushpanjali	Pushpanjali
78	0126IT161082	RAMAVTAR VERMA	Ramavtar	Ramavtar	Ramavtar	Ramavtar	Ramavtar
79	0126IT161083	RISHABH GUPTA	Rishabh	Rishabh	Rishabh	Rishabh	Rishabh
80	0126IT161084	RITESH GOYAL	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
81	0126IT161085	ROHIT KUMAR	Rohit	Rohit	Rohit	Rohit	Rohit
82	0126IT161086	RUPESH KUMAR	Rupesh	Rupesh	Rupesh	Rupesh	Rupesh
83	0126IT161087	SABHAYATA DUBEY	SP	SP	SP	SP	SP
84	0126IT161088	SACHIN KUMAR	Sachin	Sachin	Sachin	Sachin	Sachin
85	0126IT161089	SAGAR JOSHI	Sagar	Sagar	Sagar	Sagar	Sagar
86	0126IT161090	SAKSHI GARDE	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
87	0126IT161091	SAKSHI GUPTA	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
88	0126IT161092	SAKSHI SHRIVASTAVA	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
89	0126IT161093	SALONI	Saloni	Saloni	Saloni	Saloni	Saloni
90	0126IT161094	SANYOG THAKRE	Sanyog	Sanyog	Sanyog	Sanyog	Sanyog
91	0126IT161095	SATYARTH SUMAN	Satyarth	Satyarth	Satyarth	Satyarth	Satyarth
92	0126IT161096	SHAKEEB ARSALAN	Shakeeb	Shakeeb	Shakeeb	Shakeeb	Shakeeb
93	0126IT161097	SHASHANK CHOUKSEY	S. Chouksey	S. Chouksey	S. Chouksey	S. Chouksey	S. Chouksey
94	0126IT161098	SHASHANK MISHRA	Shashank	Shashank	Shashank	Shashank	Shashank
95	0126IT161099	SHIKHA RANI	Shikha	Shikha	Shikha	Shikha	Shikha
96	0126IT161100	SHRAVANI CHINNI	Shravani	Shravani	Shravani	Shravani	Shravani
97	0126IT161103	SHUBHAM KUMAR TIWARI	Shubham	Shubham	Shubham	Shubham	Shubham
98	0126IT161105	SHUBHAM SHARMA	Shubham	Shubham	Shubham	Shubham	Shubham
99	0126IT161104	SHUBHAM SHARMA	Shubham	Shubham	Shubham	Shubham	Shubham



Director
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Thakral Nagar, Bhopal

Head of Department
Information Technology
Oriental College of Technology, Bhopal

100	0126IT161106	SHUBHAM SINGH RATHORE	SH	SH	SH	SH	SH
101	0126IT161107	SIDDHARTH SINGH	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant
102	0126IT161108	SNEHA P BABU	Sneha	Sneha	Sneha	Sneha	Sneha
103	0126IT161109	SONAL JAIN	Sonal	Sonal	Sonal	Sonal	Sonal
104	0126IT161110	SOUMYA CHOUDHARY	Soumya	Soumya	Soumya	Soumya	Soumya
105	0126IT161111	SOUMYA JAIN	S	S	S	S	S
106	0126IT161112	SUDHANSHU SINGH THAKUR	Sudhant	Sudhant	Sudhant	Sudhant	Sudhant
107	0126IT161113	SUNNY SHIKHAR	Sunny	Sunny	Sunny	Sunny	Sunny
108	0126IT161114	SURBHI KUMARI	S	S	S	S	S
109	0126IT161115	SWAPNIL VERMA	SV	SV	SV	SV	SV
110	0126IT161116	SWATI SINHA	Swate	Swate	Swate	Swate	Swate
111	0126IT161117	TANISHKA VERMA	Tanishka	Tanishka	Tanishka	Tanishka	Tanishka
112	0126IT161118	TANMAY JHA	TJ	TJ	TJ	TJ	TJ
113	0126IT161119	TANYA SHRIVASTAVA	Tanya	Tanya	Tanya	Tanya	Tanya
114	0126IT161120	TRIPTI SINGH	Tripti	Tripti	Tripti	Tripti	Tripti
115	0126IT161122	UJJWAL RAJ	UJR	UJR	UJR	UJR	UJR
116	0126IT161123	VANSHIKA MALVIYA	Vanshika	Vanshika	Vanshika	Vanshika	Vanshika
117	0126IT161124	VIJAYA PUROHIT	Vijaya	Vijaya	Vijaya	Vijaya	Vijaya
118	0126IT151123	VITHIKA SINGH	Vithika	Vithika	Vithika	Vithika	Vithika
119	0126IT151124	VIVEK UPADHYAY	VU	VU	VU	VU	VU
120	0126IT151125	YASH JAIN	YJ	YJ	YJ	YJ	YJ

NOTE - THREE STUDENTS OF SVNETH SEM HAVE BEEN ALLOWED FOR JAVA COURSES

[Signature]
 Head of Department
 Information Technology
 Oriental College of Technology, Bhopal

[Signature] 9/16/20
 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: JAVA Programming

Course Code: IT 30001

ASSESSMENT SHEET

SEM: 5 SEM

Session July-dec 2018

SNo	Enrollment No	Student Name	Class Room Assessment	Objective Type	Total	Eligible or Not eligible
			50	50	100	
1	0126IT161001	ABHISHEK SETHI	43	44	87	ELIGIBLE
2	0126IT161002	ABHISHEK SIKARWAR	39	49	88	ELIGIBLE
3	0126IT161003	ABHISHEK WADHWANI	43	49	92	ELIGIBLE
4	0126IT161004	ADITI CHATURVEDI	0	0	0	NOT ELIGIBLE
5	0126IT161005	AMAN KESHARWANI	43	49	92	ELIGIBLE
6	0126IT161006	ANKIT KUMAR BHARTI	43	27	70	ELIGIBLE
7	0126IT161007	ANKIT RAGHUWANSHI	25	26	51	ELIGIBLE
8	0126IT161008	ANMOL GUPTA	0	0	0	NOT ELIGIBLE
9	0126IT161009	ANSHU	34	31	65	ELIGIBLE
10	0126IT161010	ANUBHA NAUGARAIYA	32	31	63	ELIGIBLE
11	0126IT161011	ANUBHAV JAIN	30	26	56	ELIGIBLE
12	0126IT161012	ANUBHAV SINGH	43	49	92	ELIGIBLE
13	0126IT161013	ARCHI SHENDE	31	48	79	ELIGIBLE
14	0126IT161014	ARJUN PATIDAR	30	33	63	ELIGIBLE
15	0126IT161015	ARPIT JAIN	27	43	70	ELIGIBLE
16	0126IT161016	ARUSHI KULSHRESHTH	30	43	73	ELIGIBLE
17	0126IT161017	ARVIND KUMAR SHARMA	0	0	0	NOT ELIGIBLE
18	0126IT161018	ARYAN ARORA	31	29	60	ELIGIBLE
19	0126IT161020	ASHVINI SABLE	35	33	68	ELIGIBLE
20	0126IT161021	ASHWINI KUMARI	26	38	64	ELIGIBLE
21	0126IT161022	ATHARVA KULKARNI	42	39	81	ELIGIBLE
22	0126IT161023	AVINASH KUMAR	26	32	58	ELIGIBLE
23	0126IT161024	AVIRAL SINGH SHAKRAWAR	26	22	48	NOT ELIGIBLE
24	0126IT161025	AYUSH GUPTA	39	30	69	ELIGIBLE
25	0126IT161026	AYUSH RANJAN	45	38	83	ELIGIBLE
26	0126IT161027	AYUSH SHRIVASTAVA	46	47	93	ELIGIBLE
27	0126IT161028	AYUSHI S SHRIVASTAVA	33	39	72	ELIGIBLE
28	0126IT161029	BHAGYESH SHARMA	44	28	72	ELIGIBLE
29	0126IT161030	BHAVYA KETHEPALLI	29	48	77	ELIGIBLE
30	0126IT161031	BHUMIKA MOTWANI	32	49	81	ELIGIBLE
31	0126IT161032	DAMINI M NAIR	28	46	74	ELIGIBLE
32	0126IT161034	DEEPANK KASHIYAP	27	30	57	ELIGIBLE
33	0126IT161035	DEEPIKA PATEL	29	30	59	ELIGIBLE
34	0126IT161036	DESH RATNA	27	47	74	ELIGIBLE
35	0126IT161037	DIKSHA SHARMA	38	42	80	ELIGIBLE
36	0126IT161038	DINESH KOTWANI	30	37	67	ELIGIBLE
37	0126IT161039	DISHA AGRAWAL	32	34	66	ELIGIBLE
38	0126IT161040	FAWAZ KAMAAL HASHMI	39	30	69	ELIGIBLE
39	0126IT161041	GAURI RAGHUWANSHI	41	36	77	ELIGIBLE
40	0126IT161042	GOVIND YADAV	37	42	79	ELIGIBLE
41	0126IT161043	GYAN PRAKASH	26	22	48	NOT ELIGIBLE
42	0126IT161044	HANIYA AHMED	41	48	89	ELIGIBLE
43	0126IT161045	HARDIK GUPTA	35	46	81	ELIGIBLE
44	0126IT161047	HITA JAIN	40	44	84	ELIGIBLE
45	0126IT161048	JYOTSNA LAL	36	0	36	NOT ELIGIBLE
46	0126IT161049	KAPIL GULRAJANI	0	10	10	NOT ELIGIBLE
47	0126IT161050	KHYATI DIXIT	34	41	75	ELIGIBLE
48	0126IT161051	KUSHAGAR SINGH	34	34	68	ELIGIBLE
49	0126IT161052	KUSHAGRA NEGI	34	39	73	ELIGIBLE
50	0126IT161053	LAVEENA BALWANI	29	47	76	ELIGIBLE
51	0126IT161054	MADHUR SOHANEY	41	41	82	ELIGIBLE
52	0126IT161055	MAHAK AGRAWAL	43	26	69	ELIGIBLE
53	0126IT161056	MAHIMA SARRAF	41	34	75	ELIGIBLE
54	0126IT161057	MAHIMA SATSANGI	35	48	83	ELIGIBLE
	0126IT161058	MANISH CHAKRAWARTI	0	0	0	NOT ELIGIBLE



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56	0126IT161059	MANISH KUMAR KHARWAR	33	45	78	ELIGIBLE
57	0126IT161060	MEGHA MAINI	44	44	88	ELIGIBLE
58	0126IT161061	MOHAMMAD UMAR	44	49	93	ELIGIBLE
59	0126IT161062	MOHIT JAIN	0	0	0	NOT ELIGIBLE
60	0126IT161063	NIKHIL DUBEY	31	48	79	ELIGIBLE
61	0126IT161064	NINAD MISHRA	49	48	97	ELIGIBLE
62	0126IT161065	NITYA BAJPAI	49	29	78	ELIGIBLE
63	0126IT161066	NUPUR PALIWAL	44	26	70	ELIGIBLE
64	0126IT161067	PARAM VEER SINGH	30	44	74	ELIGIBLE
65	0126IT161068	PARUL PANDEY	33	28	61	ELIGIBLE
66	0126IT161069	PIYUSH ANAND	28	28	56	ELIGIBLE
67	0126IT161070	PIYUSH GAUTAM	47	42	89	ELIGIBLE
68	0126IT161071	PRACHI GUPTA	33	35	68	ELIGIBLE
69	0126IT161072	PRAGATI SINGH	28	39	67	ELIGIBLE
70	0126IT161073	PRAGYA NAYAK	34	38	72	ELIGIBLE
71	0126IT161074	PRAJJAWAL SHAH	31	0	31	NOT ELIGIBLE
72	0126IT161075	PRASHANT RANJAN SINGH	10	0	10	NOT ELIGIBLE
73	0126IT161076	PRATEEK ANAND	0	0	0	NOT ELIGIBLE
74	0126IT161077	PRATYUSH MALVIYA	0	0	0	NOT ELIGIBLE
75	0126IT161078	PRIYANSHI SINGH	37	0	37	NOT ELIGIBLE
76	0126IT161079	PURU SHARMA	45	32	77	ELIGIBLE
77	0126IT161080	PUSHPANJALI KUMARI	47	28	75	ELIGIBLE
78	0126IT161082	RAMAVTAR VERMA	48	32	80	ELIGIBLE
79	0126IT161083	RISHABH GUPTA	44	33	77	ELIGIBLE
80	0126IT161084	RITESH GOYAL	28	36	64	ELIGIBLE
81	0126IT161085	ROHIT KUMAR	34	27	61	ELIGIBLE
82	0126IT161086	RUPESH KUMAR	28	40	68	ELIGIBLE
83	0126IT161087	SABHYATA DUBEY	38	0	38	NOT ELIGIBLE
84	0126IT161088	SACHIN KUMAR	37	45	82	ELIGIBLE
85	0126IT161089	SAGAR JOSHI	28	35	63	ELIGIBLE
86	0126IT161090	SAKSHI GARDE	30	48	78	ELIGIBLE
87	0126IT161091	SAKSHI GUPTA	33	49	82	ELIGIBLE
88	0126IT161092	SAKSHI SHRIVASTAVA	37	40	77	ELIGIBLE
89	0126IT161093	SALONI	42	28	70	ELIGIBLE
90	0126IT161094	SANYOG THAKRE	31	27	58	ELIGIBLE
91	0126IT161095	SATYARTH SUMAN	36	29	65	ELIGIBLE
92	0126IT161096	SHAKEEB ARSALAN	42	28	70	ELIGIBLE
93	0126IT161097	SHASHANK CHOUKSEY	38	33	71	ELIGIBLE
94	0126IT161098	SHASHANK MISHRA	47	30	77	ELIGIBLE
95	0126IT161099	SHIKHA RANI	49	34	83	ELIGIBLE
96	0126IT161100	SHRAVANI CHINNI	41	31	72	ELIGIBLE
97	0126IT161103	SHUBHAM KUMAR TIWARI	44	26	70	ELIGIBLE
98	0126IT161105	SHUBHAM SHARMA	39	37	76	ELIGIBLE
99	0126IT161104	SHUBHAM SHARMA	34	42	76	ELIGIBLE
100	0126IT161106	SHUBHAM SINGH RATHORE	43	32	75	ELIGIBLE
101	0126IT161107	SIDDHARTH SINGH	28	27	55	ELIGIBLE
102	0126IT161108	SNEHA P BABU	40	35	75	ELIGIBLE
103	0126IT161109	SONAL JAIN	38	35	73	ELIGIBLE
104	0126IT161110	SOUMYA CHOUDHARY	41	32	73	ELIGIBLE
105	0126IT161111	SOUMYA JAIN	39	48	87	ELIGIBLE
106	0126IT161112	SUDHANSHU SINGH THAKUR	33	30	63	ELIGIBLE
107	0126IT161113	SUNNY SHIKHAR	26	26	52	ELIGIBLE
108	0126IT161114	SURBHI KUMARI	27	28	55	ELIGIBLE
109	0126IT161115	SWAPNIL VERMA	45	33	78	ELIGIBLE
110	0126IT161116	SWATI SINHA	36	43	79	ELIGIBLE
111	0126IT161117	TANISHKA VERMA	36	37	73	ELIGIBLE
112	0126IT161118	TANMAY JHA	33	26	59	ELIGIBLE
113	0126IT161119	TANYA SHRIVASTAVA	29	40	69	ELIGIBLE
114	0126IT161120	TRIPTI SINGH	28	39	67	ELIGIBLE
115	0126IT161122	UJJWAL RAJ	26	26	52	ELIGIBLE
116	0126IT161123	VANSHIKA MALVIYA	49	27	76	ELIGIBLE
117	0126IT161124	VJIYA PUROHIT	49	44	93	ELIGIBLE
118	0126IT151123	VITHIKA SINGH	30	30	60	ELIGIBLE
119	0126IT151124	VIVEK UPADHYAY	30	30	60	ELIGIBLE
120	0126IT151125	YASH JAIN	27	26	58	ELIGIBLE

Director
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Head of Department
Information Technology

Oriental
Campus
Raisen Road
Bhopal-462021

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[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal]
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



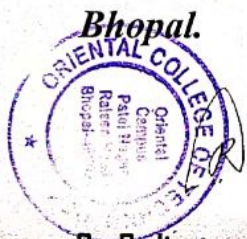
DEPARTMENT OF INFORMATION TECHNOLOGY

Session: 2018-19

CERTIFICATE

This is to certify that Mr./Ms Shravani Chinni of IT V Semester, OCT, Bhopal, has ~~Successfully~~
Completed the "Value Added Course" on "JAVA Programming" during 04-08 Sept 2019
organized by Department of Information Technology, Oriental College of Technology

Bhopal.



Co-Ordinator, IT, OCT

[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Head of Department, IT, OCT

[Signature]
Head of Department
Information Technology
Oriental College

[Signature]
Director, OCT


Course Evaluation/ Feedback Form

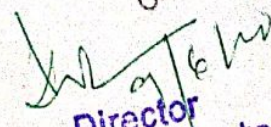
Title Course	JAVA
	04 TO 08 September 2018
Location:	Oriental College of Technology, Bhopal
Teacher(s):	Mr Infran Khan , Mrs Amita Pandit

Respond to the following statements by using the ✓ mark to indicate the extent to which you agree or disagree statement.

	Excellent	Very Good	Good	Fair	Poor
Syllabus & instructions at first	✓				
Objectives stated clearly		✓			
Material presented in class matches syllabus	✓				
Teacher responded questions			✓		
Teacher demonstrates adequate knowledge of course	✓				
Teacher uses appropriate teaching methods		✓			
Teacher returns papers & tests promptly			✓		
Time is used efficient	✓				
Teacher is helpful		✓			
Teacher is well prepared			✓		
Teachers overall teaching	✓				
I recommend the class	✓				

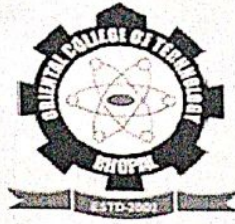



 Head of Department
 Information Technology
 Oriental College of Technology Bhopal


 Director
 Oriental College of Technology
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 Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Information Technology



Report on Value Added Course on JAVA

Date and Time: September 04th , to September 08th , 2018. **Venue:** Department of Information Technology ,OCT Campus, Bhopal. **Organized by:** Information Technology Department, OCT , Bhopal. **Name of the Speakers:** The speakers were from Department of Information Technology OCT , Bhopal they are Mr Imran Khan , Mrs Amita Pandit. **Participants Details:** The students participated were Third Year Students

Summary of the Event

The value added courses adds value to the basic ongoing degree program. The students get an insight into the technological advancements and the recent trends that are prevailing in the outside world which gives an added benefit to the placement and gives added advantages to the employment opportunities of the students

The course is divided into five modules and at the end there was an assessment by which the students are awarded certificates.

On 4th of September , the course started with the inaugural and presidential speech of Director, Oriental College of Technology. In his presidential speech emphasized on the need to collaborate the academic and the non academic education.

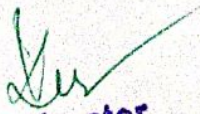
The course was conducted strictly according to the schedule and at last the convener of the course gave away the vote of thank.. At the end the convener thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Roopali Soni

Course Convenor

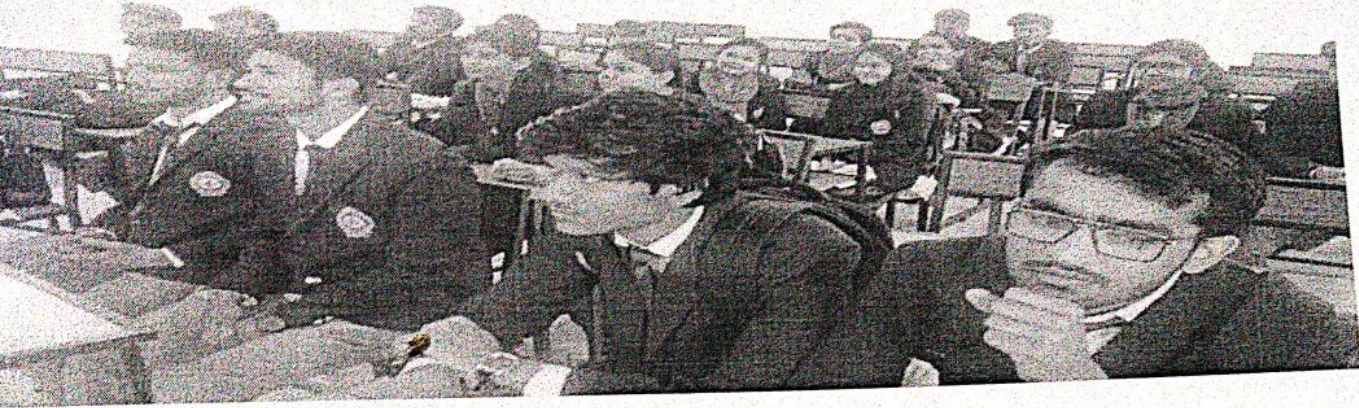
IT, OCT

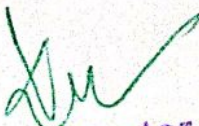



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Value Added Course on JAVA

September 04th , to September 08th , 2018




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Phone No.-0755-2529015, 2529026
Fax: 0755-2529472
E-mail: directoroct@oriental.ac.in
Website: <http://www.oriental.ac.in/oct-bhopal/>

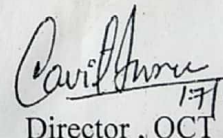
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT

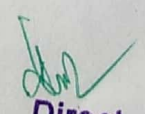
Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....
Place:
Signature
Date:

Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mr. Amish Ku. Jha
octhodec@oriental.ac.in
Mobile: +919098715184

COURSE COORDINATOR

Mr. Abhigyanam Giri
Mobile: 7566601006
Mr. Amish Jha
Mobile: +919098715184

ORGANISING COMMITTEE MEMBERS

Mr. Amish Jha
Mr. Kapil Gupta

CONTACT

Mr. Amish Ku. Jha
octhodec@oriental.ac.in
Mobile: +919098715184

**Oriental College of Technology,
Bhopal**



Value Added Course

on

“EMBEDDED SYSTEM”

[11-15 FEB 2019]

For III -Year Students

In Association with



Organised By

Department of Electronics & Communication
Engineering

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal – 462021
Phone: 2529026, 2529057, Fax: 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Electronics & Communication is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research.

The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified committed and motivated faculty members having specialization in various streams. The core

competency of the Department is in the area of VLSI, Arduino & Embedded System.

The EC Department offers M.Tech Course in Electronics along with Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Electronics & Communication Engineering plays prominent role in every domain. "EMBEDDED SYSTEM" is Value Added course through which participants to know latest technologies. An embedded system is a small computer that forms part of a larger system, device or machine. Its purpose is to control the device and to allow a user to interact with it. They tend to have one, or a limited number of tasks that they can perform.

OBJECTIVES & CONTENTS

An embedded system is a combination of computer hardware and software designed for a specific function or functions within a larger system.

- ✓ Introduction to the Embedded system
- ✓ Simple Hardware design
- ✓ Software Application
- ✓ Software Debugging
- ✓ Raspberry Pi and Open CV applications

ELIGIBILITY

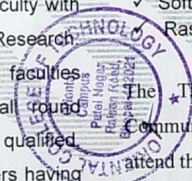
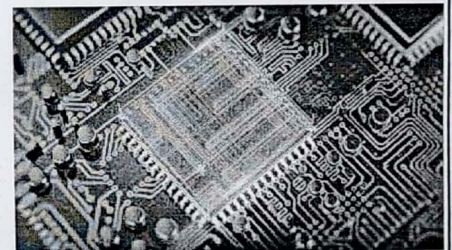
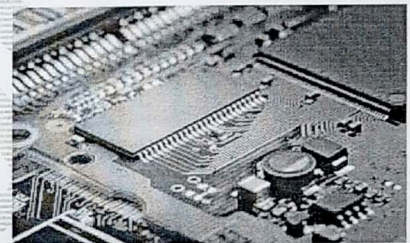
The Third year Students of Electronics & Communication Engineering branch is eligible to attend the "Embedded system" course

REGISTRATION

- ✓ No Registration fees.

INVITED SPEAKERS

Mr. Abhigyanam Giri
Director, Ind Eyes Pvt. Ltd. Bhopal



Handwritten signature and date: 7/5/2020
Director
Oriental College of Technology
Phakral Nagar, Raisen Road
Bhopal

Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

Oriental College of Technology, Bhopal

Electronics & Communication Engineering

Embedded Systems (Value Added Course)

Course Code: EC 30001

Module 1: C and Embedded C

Foundations of C programming Types, declarations and expressions, control flow, functions and program structure Arrays, pointers, structures, Input and output handling dynamic memory management linked lists, command-line argument handling, Stacks and queues Program design.

Module 2: Introduction to Embedded Systems

What is Embedded System? Standard component of Embedded Systems - Processor, memory, I/O, peripherals, software, algorithms, *Processor types* - Microcontrollers, Microprocessors, DSP, FPGA Memory types - RAM, SRAM, DRAM, DDRAM, EPROM, EEPROM, *OTP Peripherals* - Parallel and Serial Ports, UART, timers, Real time clocks, I2C bus, DMA controllers, Analogue Interfaces - A to D and D to A conversion, CODECs Interrupts and Interrupt handling.

Module 3: 8051 Architecture and C51 Assembly Language Programming

8051 Architecture - Oscillator, Clock, Internal memory and RAM, SFRs, Internal ROM, I/O pins and ports, external memory, counters and timers, serial data I/O, Interrupts, assembly language instructions, data operations, logical operations, arithmetic operations, program control, configuration and programming of 8051 Ports, timers and interrupts, Interfacing 8051 with LEDs, Keypad and 7-Segment Display and programming Interfacing with LCD and programming, Interfacing with ADC and programming, Serial Data communication programming.

Module 4: Embedded C Embedded Software development using C Porting 8051 Assembly code to C Cross compilation, Downloading, Testing, Debugging.

Module 5: Design of Embedded Systems Problem definition, requirements and specifications, Software planning - Hardware design and software design.

Module 6: Project Water Level Controller using 8051 Microcontroller

Use: Water Level Controller using 8051 Microcontroller project will help in automatically controlling the water motor by sensing the water level in a tank.

Components Required : AT89C51 Microcontroller (or any 8051 based Microcontroller) , 8051 Programmer (Programming Board) , 11.0592 MHz Quartz Crystal , 2 x 33pF Capacitor, 2 x 10K Ω Resistor (1/4 Watt) , 10 μ F Capacitor, Push Button, 1K Ω x 8 Resistor Pack (for Pull - up), 16 x 2 LCD Display, 5V Relay, 4 x 2N2222 (NPN) Transistors, DC Motor (for demonstration), 10K Ω Potentiometer, 1N4007 PN Junction Diode , Programming cable, Connecting wires, Power Supply, Keil μ Vision IDE, Willar Software (for burning code), Proteus (for circuit diagram).



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SCHEDULE

5 Days Value Added Course on Embedded System

11-15 Feb, 2019

11 Feb 2019

Time Slot	Session	Teacher / Instructor
9:20-09:30 AM	Inaugural Programme	Mr. Abhigyanam Giri
09:30 AM-01:00PM	Introduction to Foundations of C programming Types	Mr. Abhigyanam Giri
01:00-02:00PM	LUNCH	
02:00-3:30PM	Introduction to Embedded Systems	Mr. Amish Jha
3:30 -3:45PM	Break	
03:45-04:45PM	8051 Architecture and C51 Assembly Language Programming	Mr. Amish Jha

12 Feb 2019

Time	Session	Teacher / Instructor
9:00-11:00AM	Practice Session on assigned kit	Mr. Amish Jha
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session on assigned kit	Mr. Amish Jha
01:00-2:00PM	LUNCH	
02:00-4:30PM	Practice Session on assigned kit	Mr. Kapil Gupta

13 Feb 2019

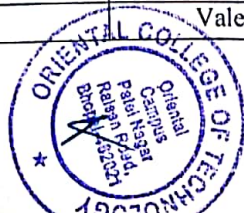
Time	Session	Teacher / Instructor
9:00-11:00AM	Embedded Software development using C Porting 8051	Mr. Kapil Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Design of Embedded Systems	Mr. Amish Jha
01:00-2:00PM	LUNCH	
02:00-4:30PM	Software planning & Hardware design	Mr. Kapil Gupta

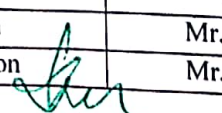
14 Feb 2019

Time	Session	Teacher / Instructor
9:00-11:00AM	Introduction to Water Level Controller using 8051 Microcontroller	Mr. Amish Jha
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Amish Jha
01:00-2:00PM	LUNCH	
02:00-4:30PM	Knowing components for Water Level Controller using 8051 Microcontroller	Mr. Kapil Gupta

15 Feb 2019

Time	Session	Teacher / Instructor
9:00-11:00AM	Designing of Water Level Controller	Mr. Kapil Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Kapil Gupta
01:00-1:40PM	LUNCH	
01:40-2:30PM	Testing of Project	Mr. Amish Jha
2:30-3:30PM	Filling of Students Feedback form	Mr. Abhigyanam Giri
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Abhigyanam Giri




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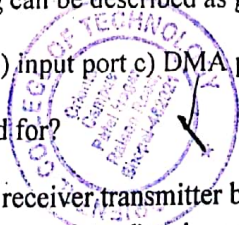
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Value Added course on Embedded System Objective Test, Date 11-15 Feb-2019

Branch :	Electronics & Communication Engineering		
Semester:	VI		Max. Marks-50 Minimum Marks:25
Subject:	Embedded System	Subject Code: EC 30001	Time :1:30 Hrs
Note	One marks for Q.1 to 30 and Two marks for Q.31 to 40.		

- Which of the following consist two lines of legs on both sides of a plastic or ceramic body?
a) SIMM b) DIMM c) Zig-zag d) Dual in-line
- Which of the following can transfer multiple bits of data simultaneously?
a) serial port b) sequential port c) concurrent unit d) parallel port
- Which of the following are interfaced as inputs to the parallel ports?
a) LEDs b) switch c) alphanumeric display d) seven segmented display
- Which of the following are interfaced as the outputs to the parallel ports? a) keyboards b) switches
c) LEDs d) knobs
- How many registers are there to control the parallel port in the basic form?
a) 1 b) 3 c) 2 d) 5
- Which of the following is also known as tri-state? a) output port b) input port c) parallel port d)
output-input port
- How buffers are enabled in the parallel ports?
a) by the data register b) by data direction register c) by individual control register d) by data and
individual control register
- Which of the following registers offers high impedance?
a) data register b) data direction register c) individual control bit d) data register and data direction
register
- Which of the following can be used as a chip select?
a) Multifunction I/O port b) parallel port c) DMA port d) memory port
- Which of the following is necessary for the parallel input-output port?
a) Inductor b) pull-up resistor c) push-up resistor d) capacitor
- Which of the following can be described as general-purpose?
a) Multifunction I/O port b) input port c) DMA port d) output port
- What does UART stand for?
a) Universal asynchronous receiver transmitter b) unique asynchronous receiver transmitter c)
universal address receiver transmitter d) unique address receiver transmitter



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13. How is data detected in a UART?
a) Counter b) timer c) clock d) first bit
14. Which of the signal is set to one, if no data is transmitted?
a) READY b) START c) STOP d) TXD
15. What rate can define the timing in the UART?
a) bit rate b) baud rate c) speed rate d) voltage rate
16. How is baud rate supplied?
a) baud rate voltage b) external timer c) peripheral d) internal timer
17. Which is the most commonly used UART?
a) 8253 b) 8254 c) 8259 d) 8250
18. Which company developed 16450?
a) Philips b) Intel c) National semiconductor d) IBM
19. What does ADS indicate in 8250 UART?
a) address signal b) address terminal signal c) address strobe signal d) address generating signal
20. Which of the following signals are active low in the 8250 UART?
a) BAUDOUT b) DDIS c) INTR d) MR
21. Which of the signal can control bus arbitration logic in 8250?
a) MR b) DDIS c) INTR d) RCLK
22. Which of the following can be used for long distance communication?
a) I2C b) Parallel port c) SPI d) RS232
23. Which of the following can affect the long distance communication?
a) clock b) resistor c) inductor d) capacitor
24. Which are the serial ports of the IBM PC?
a) COM1 b) COM4 and COM1 c) COM1 and COM2 d) COM3
25. Which of the following can provide hardware handshaking?
a) RS232 b) Parallel port c) Counter d) Timer
26. Which of the following have an asynchronous data transmission?
a) SPI b) RS232 c) Parallel port d) I2C
27. How many areas does the serial interface have?
a) 1 b) 3 c) 2 d) 4
28. The RS232 is also known as
a) UART b) SPI c) Physical interface d) Electrical interface
29. How much voltage does the MC1489 can take ?



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a) 12V b) 5V c) 3.3V d) 2.2V

30. Which of the following is not a serial protocol?

a) SPI b) I2C c) Serial port d) RS232

31. Which of the following is an ideal interface for LCD controllers? a) SPI b) parallel port c) Serial port d) M-Bus

32. Which of the following works by dividing the processor's time?

a) single task operating system b) multitask operating system c) kernel d) applications

33. Which of the following decides which task can have the next time slot?

a) Single task operating system b) applications c) kernel d) software

34. Which of the following controls the time slicing mechanism in a multitasking operating system?

a) Kernel b) single tasking kernel c) multitasking kernel d) application manager

35. Which of the following provides time period for the context switch?

a) Timer b) counter c) time slice d) time machine

36. Which of the following can periodically trigger the context switch?

a) Software interrupt b) hardware interrupt c) peripheral d) memory

37. Which interrupt provides system clock in the context switching?

a) Software interrupts b) hardware interrupt c) peripheral d) memory

38. The special table in the multitasking operating system is also known as

a) Task control block b) task access block c) task address block d) task allocating block

39. Which of the following stores all the task information that the system requires?

a) Task access block b) register c) accumulator d) task control block .

40. Which of the following contains all the task and their status?

a) register b) ready list c) access list d) task list

CLASS ROOM ASSESSMENT

Max Marks: 50

Min Marks:25

Q: Design water level controller using 8051 microcontroller.



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded Course

Course Code : EC30001

Students Attendance Sheet , 11-15 Feb 2019

S.NO	ENROLL NO	NAME OF STUDENT	11 Feb-19	12-Feb-19	13-Feb-19	14-Feb-19	15-Feb-19
1	0126EC161001	ABHISHEK KUMAR	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	0126EC161002	ABHISHEK KUMAR	AK	AK	AK	AK	AK
3	0126EC161003	ABHISHEK MISHRA	abhishek	abhishek	abhishek	abhishek	abhishek
4	0126EC161004	ABHISHEK RAJ	Araj	Araj	Araj	Araj	Araj
5	0126EC161005	ADITYA OJHA	ABS	ABS	ABS	ABS	ABS
6	0126EC161006	AKANSHA SHUKLA	AK	AK	AK	AK	AK
7	0126EC161007	AMAN KUMAR SINGH	aman	aman	aman	aman	aman
8	0126EC161008	AMIT KUMAR	Amit	Amit	Amit	Amit	Amit
9	0126EC161009	ANAM KHAN	ABS	ABS	ABS	ABS	ABS
10	0126EC161010	ANIMESH SRIVASTAVA	Animesh	Animesh	Animesh	Animesh	Animesh
11	0126EC161011	ANJALI PATEL	Anjali	Anjali	Anjali	Anjali	Anjali
12	0126EC161012	ANJALI SHARMA	Anjali	Anjali	Anjali	Anjali	Anjali
13	0126EC161013	ANMOL CHATURVEDI	Achatur	Achatur	Achatur	Achatur	Achatur
14	0126EC161014	ANSHU RAJ	ABS	ABS	ABS	ABS	ABS
15	0126EC161015	ANUBHA SHRIVASTAVA	Anubha	Anubha	Anubha	Anubha	Anubha
16	0126EC161016	ANUBHAV KUMAR SINGH	Aravind	Aravind	Aravind	Aravind	Aravind
17	0126EC161017	ANUJ PRATAP SINGH PARMAR	ABS	ABS	ABS	ABS	ABS
18	0126EC161018	ANUJA SHRIVASTAVA	Anuja	Anuja	Anuja	Anuja	Anuja
19	0126EC161019	ANURAG KUMAR SINGH	Anurag	Anurag	Anurag	Anurag	Anurag
20	0126EC161020	APARAJITA PATHAK	Apatak	Apatak	Apatak	Apatak	Apatak
21	0126EC161021	APOORVA AGRAWAL	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
22	0126EC161023	ASHITA HARINKHEDE	Ashita	Ashita	Ashita	Ashita	Ashita
23	0126EC161024	ASHUTOSH SISODIYA	ashutosh	ashutosh	ashutosh	ashutosh	ashutosh
24	0126EC161025	AWDHESH PATERIYA	Aadhes	Aadhes	Aadhes	Aadhes	Aadhes
25	0126EC161026	AYUSH KUMAR	Akumar	Akumar	Akumar	Akumar	Akumar
26	0126EC161027	BELAL AHMAD	Belal Ahmad	Belal Ahmad	Belal Ahmad	Belal Ahmad	Belal Ahmad
27	0126EC161028	BHARAT JESWANI	Bharat	Bharat	Bharat	Bharat	Bharat
28	0126EC161029	CETNA SHARMA	Chetan	Chetan	Chetan	Chetan	Chetan
29	0126EC161030	DEEPANSHU SHUKLA	Deepanshu	Deepanshu	Deepanshu	Deepanshu	Deepanshu
30	0126EC161032	DEVANSHU BHARGAVA	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu
31	0126EC161033	DIVAKAR KUMAR	Dikumar	Dikumar	Dikumar	Dikumar	Dikumar
32	0126EC161034	DIVYANSHU SHEKHAR	Divyanshu	Divyanshu	Divyanshu	Divyanshu	Divyanshu
33	0126EC161035	DRUSHIT KAPSE DIVYANSHU SHEKHAR	D.kapse	D.kapse	D.kapse	D.kapse	D.kapse
34	0126EC161036	FILZA ALI	Filza	Filza	Filza	Filza	Filza
35	0126EC161038	HARSHIT PAL	ABS	ABS	ABS	ABS	ABS
36	0126EC161039	HARSHITA KUMBHARE	Harshita	Harshita	Harshita	Harshita	Harshita
37	0126EC161040	HEMANT SINGH BISHT	Hemant	Hemant	Hemant	Hemant	Hemant



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: *Embedded System*

Course Code: *EC3001*

Students Attendance Sheet

S.NO	ENROLL NO	NAME OF STUDENT	11/02	12/02	13/02	14/02	15/02
38	0126EC161041	HIMANSHU PATHAK	-ABS-	ABS	-ABS-	-ABS-	-ABS-
39	0126EC161042	HRISHIKA GHOSH	Hlghos	Hlghos	Hlghos	Hlghos	Hlghos
40	0126EC161043	JANHAVI GUPTA	Janhavi	Janhavi	Janhavi	Janhavi	Janhavi
41	0126EC161044	KAVYA SHRIVASTAVA	Kavya	Kavya	Kavya	Kavya	Kavya
42	0126EC161045	KESHAR SINGH	Kesar	Kesar	Kesar	Kesar	Kesar
43	0126EC161046	KRITI	Kriti	Kriti	Kriti	Kriti	Kriti
44	0126EC161047	KULDEEP SONI	Ksoni	Ksoni	Ksoni	Ksoni	Ksoni
45	0126EC161049	LAVISH SHARMA	-ABS-	-ABS-	-ABS-	-ABS-	-ABS-
46	0126EC161050	MAHIMA SINGH JADOUN	M.S.Jadoun	M.S.Jadoun	M.S.Jadoun	M.S.Jadoun	M.S.Jadoun
47	0126EC161051	MANISH RAJPUT	Manish	Manish	Manish	Manish	Manish
48	0126EC161052	MANOSHI MUKHERJEE	Manoshi	Manoshi	Manoshi	Manoshi	Manoshi
49	0126EC161053	MEENAL GUPTA	Meenal	Meenal	Meenal	Meenal	Meenal
50	0126EC161054	NABEEL SIDDIQUI	Nabeel	Nabeel	Nabeel	Nabeel	Nabeel
51	0126EC161055	NAMAN CHATURVEDI	Naman	Naman	Naman	Naman	Naman
52	0126EC161057	NANCY JAIN	Nancy	Nancy	Nancy	Nancy	Nancy
53	0126EC161058	NEHA YADAV	Neha Yadav	Neha Yadav	Neha Yadav	Neha Yadav	Neha Yadav
54	0126EC161059	NIKHIL DEVKAR	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
55	0126EC161060	NIRAJ KUMAR	Niraj	Niraj	Niraj	Niraj	Niraj
56	0126EC161061	NISHAT ANJUM	Nishat	Nishat	Nishat	Nishat	Nishat
57	0126EC161062	NITISH KUMAR	Nitish	Nitish	Nitish	Nitish	Nitish
58	0126EC161063	NOVESHK SEWANI	Nsh	Nsh	Nsh	Nsh	Nsh
59	0126EC161064	PRAJJWAL SARWAIKAR	-ABS-	-ABS-	-ABS-	-ABS-	-ABS-
60	0126EC161065	PRANAY MAHESHWARI	Pranay	Pranay	Pranay	Pranay	Pranay
61	0126EC161066	PRASHANT KUMAR DAS	P.K.DAS	P.K.DAS	P.K.DAS	P.K.DAS	P.K.DAS
62	0126EC161067	PREM KUMAR	PK	PK	PK	PK	PK
63	0126EC161068	PRIYA GUPTA	Priya	Priya	Priya	Priya	Priya
64	0126EC161069	PRIYA SINGH	P Singh	P Singh	P Singh	P Singh	P Singh
65	0126EC161070	PRIYANKA KUMARI	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
66	0126EC161071	PRIYANK PANDEY	Priyank	Priyank	Priyank	Priyank	Priyank
67	0126EC161072	PUJA KUMARI	Pujale	Pujale	Pujale	Pujale	Pujale
68	0126EC161074	RADHA H SOMAN	Radha	Radha	Radha	Radha	Radha
69	0126EC161075	RAJVEER SINGH RATHORE	Rajveer	Rajveer	Rajveer	Rajveer	Rajveer
70	0126EC161076	RITIK JAIN	Ritik	Ritik	Ritik	Ritik	Ritik
71	0126EC161077	RIYA BHARGAVA	Riya	Riya	Riya	Riya	Riya
72	0126EC161078	RIYA JAIN	Riya	Riya	Riya	Riya	Riya
73	0126EC161079	ROHAN SAINY	Rohan	Rohan	Rohan	Rohan	Rohan
74	0126EC161081	RUCHITA DUBEY	Ruchita	Ruchita	Ruchita	Ruchita	Ruchita



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code : EC 30001

Students Attendance Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	11/02	12/02	13/02	14/02	15/02
75	0126EC161082	SAKSHI BHAGWAT	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
76	0126EC161083	SAKSHI KURIL	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
77	0126EC161084	SANKET NAMPALLIWAR	Sanket	Sanket	Sanket	Sanket	Sanket
78	0126EC161085	SARTHAK KATARE	Sarthak	Sarthak	Sarthak	Sarthak	Sarthak
79	0126EC161086	SAURABH UPADHYAY	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
80	0126EC161087	SHAHZAIN SHER KHAN	Shahzain	Shahzain	Shahzain	Shahzain	Shahzain
81	0126EC161088	SHEETAL UPADHYAY	ABS	ABS	ABS	ABS	ABS
82	0126EC161089	SHIVAM AGRAWAL	Shivam	Shivam	Shivam	Shivam	Shivam
83	0126EC161091	SHIVANI TIWARI	Shivani	Shivani	Shivani	Shivani	Shivani
84	0126EC161092	SHRADDHA SRIVASTAVA	SS	SS	SS	SS	SS
85	0126EC161093	SHRIYA JOSHI	Shriya	Shriya	Shriya	Shriya	Shriya
86	0126EC161094	SHRUTI	Shruti	Shruti	Shruti	Shruti	Shruti
87	0126EC161095	SHRUTI HAJARE	Shruti	Shruti	Shruti	Shruti	Shruti
88	0126EC161096	SHRUTI SONI	Shruti	Shruti	Shruti	Shruti	Shruti
89	0126EC161098	SIDDHARTH SHRIVASTAVA	Siddharth	Siddharth	Siddharth	Siddharth	Siddharth
90	0126EC161103	SOUMYA VERMA	SV	SV	SV	SV	SV
91	0126EC161104	SOURABH SAHU	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh
92	0126EC161105	SOURABH SINGH	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh
93	0126EC161106	SUCHITA SONI	Suchita	Suchita	Suchita	Suchita	Suchita
94	0126EC161107	SUPRIYA ASATI	Supriya	Supriya	Supriya	Supriya	Supriya
95	0126EC161109	SWARNIM DUBEY	Swarnim	Swarnim	Swarnim	Swarnim	Swarnim
96	0126EC161110	SWARNIM SHARMA	Swarnim	Swarnim	Swarnim	Swarnim	Swarnim
97	0126EC161111	SWETA GUPTA	Sweta	Sweta	Sweta	Sweta	Sweta
98	0126EC161112	TANAY AGRAWAL	Tanay	Tanay	Tanay	Tanay	Tanay
99	0126EC161113	TWINKLE DANGE	TD	TD	TD	TD	TD
100	0126EC161114	UJJWAL KUMAR	Ujjwal	Ujjwal	Ujjwal	Ujjwal	Ujjwal
101	0126EC161115	UTTAM SHARMA	Uttam	Uttam	Uttam	Uttam	Uttam
102	0126EC161116	VAIBHAV SOLANKI	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
103	0126EC161117	VIKASH KUMAR	Vikash	Vikash	Vikash	Vikash	Vikash
104	0126EC161119	VIVEK VERMA	Vivek	Vivek	Vivek	Vivek	Vivek



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Date: 16/02

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code :EC- 30001

Students Assessment Sheet, 11-15 Feb 2019

S.NO	ENROLL NO	NAME OF STUDENT	Class Room Assessment (Marks/50)	Objective Test (Marks/50)	Total	Eligible for Certificate or not
1	0126EC161001	ABHISHEK KUMAR	26	32	58	YES
2	0126EC161002	ABHISHEK KUMAR	28	30	58	YES
3	0126EC161003	ABHISHEK MISHRA	28	26	54	YES
4	0126EC161004	ABHISHEK RAJ	35	38	73	YES
5	0126EC161005	ADITYA OJHA	A	A	0	NO
6	0126EC161006	AKANSHA SHUKLA	32	30	62	YES
7	0126EC161007	AMAN KUMAR SINGH	28	26	54	YES
8	0126EC161008	AMIT KUMAR	26	28	54	YES
9	0126EC161009	ANAM KHAN	A	A	0	NO
10	0126EC161010	ANIMESH SRIVASTAVA	35	40	75	YES
11	0126EC161011	ANJALI PATEL	38	34	72	YES
12	0126EC161012	ANJALI SHARMA	26	32	58	YES
13	0126EC161013	ANMOL CHATURVEDI	28	30	58	YES
14	0126EC161014	ANSHU RAJ	A	A	0	NO
15	0126EC161015	ANUBHA SHRIVASTAVA	28	26	54	YES
16	0126EC161016	ANUBHAV KUMAR SINGH	26	28	54	YES
17	0126EC161017	ANUJ PRATAP SINGH PARMAR	A	A	0	NO
18	0126EC161018	ANUJA SHRIVASTAVA	47	47	94	YES
19	0126EC161019	ANURAG KUMAR SINGH	38	34	72	YES
20	0126EC161020	APARAJITA PATHAK	26	32	58	YES
21	0126EC161021	APOORVA AGRAWAL	28	30	58	YES
22	0126EC161023	ASHITA HARINKHEDE	35	38	73	YES
23	0126EC161024	ASHUTOSH SISODIYA	32	30	62	YES
24	0126EC161025	AWDHESH PATERIYA	32	30	62	YES
25	0126EC161026	AYUSH KUMAR	28	26	54	YES
26	0126EC161027	BELAL AHMAD	35	38	73	YES
27	0126EC161028	BHARAT JESWANI	47	47	94	YES
28	0126EC161029	CHETNA SHARMA	47	47	94	YES
29	0126EC161030	DEEPANSH SHUKLA	28	26	54	YES
30	0126EC161032	DEVANSHU BHARGAVA	20	20	40	NO
31	0126EC161033	DIVAKAR KUMAR	25	30	55	YES
32	0126EC161034	DIVYANSHU SHEKHAR	28	26	54	YES
33	0126EC161035	DIVYANSHU SHEKHAR	35	38	73	YES
34	0126EC161036	FILZA ALI	32	30	62	YES
35	0126EC161038	HARSHIT PAL	A	A	0	NO
36	0126EC161039	HARSHITA KUMBHARE	28	26	54	YES



Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code :EC- 30001

Students Assessment Sheet, 11-15 Feb 2019

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment (Marks/50)	Objective Test (Marks/50)	Total	Eligible for Certificate or not
37	0126EC161040	HEMANT SINGH BISHT	26	28	54	YES
38	0126EC161041	HIMANSHU PATHAK	A	A	0	NO
39	0126EC161042	HRISHIKA GHOSH	35	40	75	YES
40	0126EC161043	JANHAVI GUPTA	38	34	72	YES
41	0126EC161044	KAVYA SHRIVASTAVA	26	32	58	YES
42	0126EC161045	KESHAR SINGH	47	47	94	YES
43	0126EC161046	KRITI	47	47	94	YES
44	0126EC161047	KULDEEP SONI	47	47	94	YES
45	0126EC161049	LAVISH SHARMA	A	A	0	NO
46	0126EC161050	MAHIMA SINGH JADOUN	38	34	72	YES
47	0126EC161051	MANISH RAJPUT	26	32	58	YES
48	0126EC161052	MANOSHI MUKHERJEE	28	30	58	YES
49	0126EC161053	MEENAL GUPTA	35	38	73	YES
50	0126EC161054	NABEEL SIDDIQUI	32	30	62	YES
51	0126EC161055	NAMAN CHATURVEDI	28	26	54	YES
52	0126EC161057	NANCY JAIN	26	32	58	YES
53	0126EC161058	NEHA YADAV	28	30	58	YES
54	0126EC161059	NIKHIL DEVKAR	44	44	88	YES
55	0126EC161060	NIRAJ KUMAR	28	30	58	YES
56	0126EC161061	NISHAT ANJUM	35	38	73	YES
57	0126EC161062	NITISH KUMAR	47	47	94	YES
58	0126EC161063	NOVESHK SEWANI	47	47	94	YES
59	0126EC161064	PRAJWAL SARWAIKAR	A	A	0	NO
60	0126EC161065	PRANAY MAHESHWARI	26	28	54	YES
61	0126EC161066	PRASHANT KUMAR DAS	28	30	58	YES
62	0126EC161067	PREM KUMAR	35	38	73	YES
63	0126EC161068	PRIYA GUPTA	32	30	62	YES
64	0126EC161069	PRIYA SINGH	28	26	54	YES
65	0126EC161070	PRIYANKA KUMARI	26	32	58	YES
66	0126EC161071	PRIYANK PANDEY	28	30	58	YES
67	0126EC161072	PUJA KUMARI	44	44	88	YES
68	0126EC161074	RADHA H SOMAN	28	30	58	YES
69	0126EC161075	RAJVEER SINGH RATHORE	35	38	73	YES
70	0126EC161076	RITIK JAIN	32	30	62	YES
71	0126EC161077	RIYA BHARGAVA	28	26	54	YES
72	0126EC161078	RIYA JAIN	26	32	58	YES



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

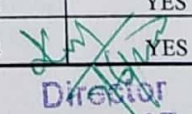
Value Added Course: Embedded System

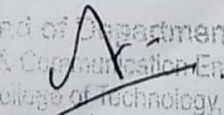
Course Code :EC- 30001

Students Assessment Sheet, 11-15 Feb 2019

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment (Marks/50)	Objective Test (Marks/50)	Total	Eligible for Certificate or not
73	0126EC161079	ROHAN SAINY	28	30	58	YES
74	0126EC161081	RUCHITA DUBEY	44	44	88	YES
75	0126EC161082	SAKSHI BHAGWAT	15	20	35	NO
76	0126EC161083	SAKSHI KURIL	35	38	73	YES
77	0126EC161084	SANKET NAMPALLIWAR	32	30	62	YES
78	0126EC161085	SARTHAK KATARE	44	44	88	YES
79	0126EC161086	SAURABH UPADHYAY	28	30	58	YES
80	0126EC161087	SHAHZAIN SHER KHAN	38	34	72	YES
81	0126EC161088	SHEETAL UPADHYAY	A	A	0	NO
82	0126EC161089	SHIVAM AGRAWAL	28	30	58	YES
83	0126EC161091	SHIVANI TIWARI	35	38	73	YES
84	0126EC161092	SHRADDHA SRIVASTAVA	32	30	62	YES
85	0126EC161093	SHRIYA JOSHI	28	26	54	YES
86	0126EC161094	SHRUTI	26	32	58	YES
87	0126EC161095	SHRUTI HAJARE	28	30	58	YES
88	0126EC161096	SHRUTI SONI	44	44	88	YES
89	0126EC161098	SIDDHARTH SHRIVASTAVA	28	30	58	YES
90	0126EC161103	SOUMYA VERMA	35	38	73	YES
91	0126EC161104	SOURABH SAHU	32	30	62	YES
92	0126EC161105	SOURABH SINGH	32	30	62	YES
93	0126EC161106	SUCHITA SONI	28	26	54	YES
94	0126EC161107	SUPRIYA ASATI	47	47	94	YES
95	0126EC161109	SWARNIM DUBEY	25	30	55	YES
96	0126EC161110	SWARNIM SHARMA	35	40	75	YES
97	0126EC161111	SWETA GUPTA	38	34	72	YES
98	0126EC161112	TANAY AGRAWAL	26	32	58	YES
99	0126EC161113	TWINKLE DANGE	28	30	58	YES
100	0126EC161114	UJJWAL KUMAR	35	38	73	YES
101	0126EC161115	UTTAM SHARMA	32	30	62	YES
102	0126EC161116	VAIBHAV SOLANKI	28	26	54	YES
103	0126EC161117	VIKASH KUMAR	32	30	62	YES
104	0126EC161119	VIVEK VERMA	28	26	54	YES




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 Head of Department
 Electronics & Communication Engineering
 Oriental College of Technology, Bhopal


Course Evaluation/ Feedback Form

Value Added Course	Embedded system
Date:	11-15 Feb 2019
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Abhigyanam giri, Mr. Amish Jha

Please respond to the following statements by using the ✓ mark to indicate the extent to which you agree or disagree with each statement.

Course	Excellent	Very Good	Good	Fair	Poor
Relevance of the content	✓				
Allocation of time on subjects	✓				
Balance in variety in Delivery	✓				
Effectiveness of the trainer	✓				
Support material provided		✓			
The course met my expectations	✓				
I would recommend course to the friend	✓				




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4



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Certificate of Completion

This is to certify that Mr./Ms. Anuja Shrivastava of EC-VI Sem, OCT, Bhopal, has Successfully Completed the “*Value Added Course*” on “**Embedded System**” during 11-15 Feb 2019, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

Coordinator, IndEyes



Head of Department, EC, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Director, OCT



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Certificate of Completion

This is to certify that Mr./Ms. Kuldeep Soni of EC-VI Sem, OCT, Bhopal, has Successfully Completed the “*Value Added Course*” on “**Embedded System**” during 11-15 Feb 2019, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

Coordinator, IndEyes



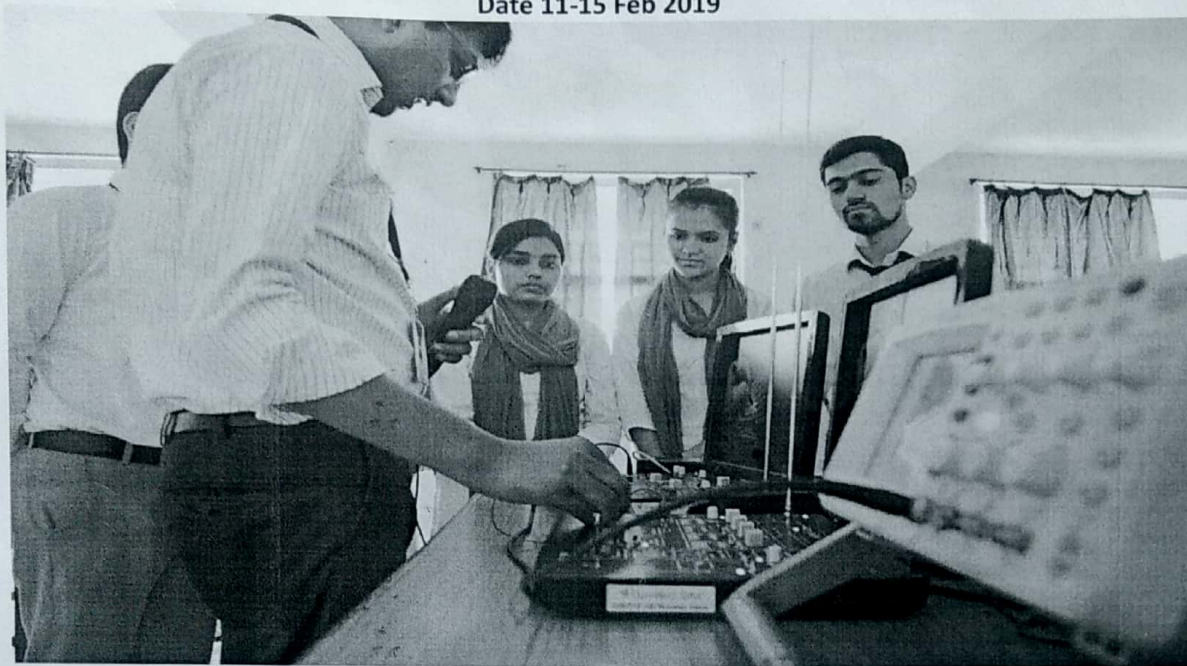
Head of Department, EC, OCT

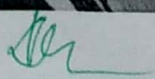
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Oriental College of Technology
Thakral Nagar, Raisen
Bhopal

Director, OCT

Value Added Course
on
Embedded System,
Date 11-15 Feb 2019




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Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering



Report on Value Added Course on Embedded System

Date and Time: February 11, to February 15, 2019. **Venue:** EC, OCT Campus, **Organized by:** EC,OCT, Bhopal. **Name of the Speakers:** Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd., Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT, **Participants Details:** Third year students of Electronics & Communication Engineering.


Summary of the Event

The Value added course Plays an important role in Strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Electronics & Communication Engineering Department of Oriental College of Technology in association with IndEyes InfoTech Pvt. Ltd, had organized "Value Added Course on Embedded System" from February 11, to February 15, 2019 for the students of third year.

This Course syllabus was covered by Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd. ,Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT in 30 Hrs. of 5-Day program.

On February 11, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In his presidential speech, she emphasized on the need to collaborate the academic and the non academic education.




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The Course coordinator, Mr. Abhigyanam Giri, guided all students on the topic "Embedded System". In his speech, he had explained the need for every student to have skills to get a job. To bridge the gap between the academic and industry need, Value Added Courses are much essential. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. He also explained, introduction to foundations of C programming types.

On February 12, Mr. Amish Ku. Jha, has taken Practice session on assigned kit.

On February 13, Mr. Kapil Gupta, explained, Embedded software development using C porting 8051.

On February 14, Mr. Amish Jha, Introduction to water level controller using 8051 microcontroller.

On February 15, Mr. Kapil Gupta, explained designing of water level controller.

At last, Mr. Amish Jha, Head EC, Convenor of Course gave away the vote of thanks. He thanked Mr. Abhigyanam Giri for providing his valuable time for successful conduction of this course for our students. He also thanked Mr. Kapil Gupta for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Mr. Amish Jha
Course Convenor
Head, EC, OCT




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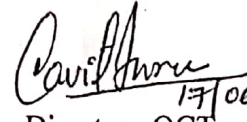
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Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT


Director

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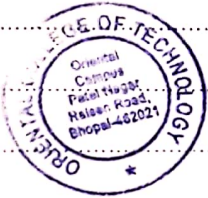
1. Academic Committee
2. All HoD's, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:.....
Enrollment No.....
Branch:.....
Semester:.....
Address:.....
.....
.....
City & Pin.....
E-mail id.....
Contact No:.....



Place:
Signature
Date:
.....
.....
.....

Signature
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes
Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mrs. Preeti Gupta
octhodox@oriental.ac.in
Mobile: +917024119755

COURSE COORDINATOR

Mr. Rishabh Shukla
Mobile: +919584741706

ORGANISING COMMITTEE MEMBERS

Mr. Rishabh Shukla
Mr. Praveen Chudhary

CONTACT

Mrs. Preeti Gupta
octhodox@oriental.ac.in
Mobile: +917024119755
Mr. Rishabh Shukla
Mobile: +919584741706



**Oriental College of Technology,
Bhopal**



Value Added Course

On
"MATLAB & Its Applications"
[11th to 15th September 2018]

In Association with



Organised By

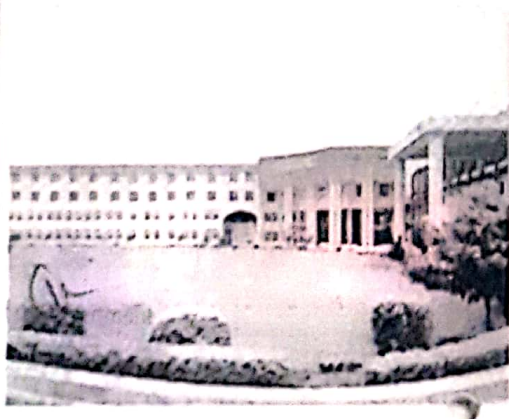
Department of Electrical & Electronics
Engineering

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462024
Phone - 2529026, 2529057 Fax 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.



ABOUT THE DEPARTMENT

The Department of Electrical & Electronics is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams.

The EX Department offers M.Tech Course in Power Electronics along with Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

MATLAB is a widely used software environment for scientific computing produced by The MathWorks Inc. For technical programming and coding, MATLAB is considered to be the fastest and high-performing tool. In MATLAB environment, problems are expressed in the form of mathematical schemes.

OBJECTIVES

Our objective for providing MATLAB training course is to provide the students with the necessary skills and equip students to conduct analysis and development in a mathematical based environment. In this training workshop we are offering students a technical environment with hands-on teaching and facilitation.

The basic data element of MATLAB is matrix. You can perform different functions, image, video processing and test your algorithms using MATLAB, helping you to interact with your data for better record keeping.

ELIGIBILITY

The Students Electrical & Electronics Engineering branch are eligible to attend the course.

REGISTRATION

✓ No Registration fees.

SPEAKERS

Mrs. Preeti Gupta

HOD, EX Deptt. OCT Bhopal

Mr. Aditya Pratap Singh
Assistant Prof. EX Deptt. OCT Bhopal

Mr. Hemant Mahala
Assistant Prof. EX Deptt. OCT Bhopal



MATLAB

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering

Value Added Course: MATLAB & Its Applications

Course Code: EX30001

Module 1:

Fundamentals of MATLAB

Fundamental of MATLAB, Variables Creation, Arithmetic Operations, Math & Trigonometric Functions, Predefined Variables, Strings, Arrays & Cell Arrays, Vector and matrix data, 3D matrix visualization, 2D matrix visualization, Matlab Scripts & m-functions, Conditional Statements,

Module 2:

Introduction to Toolboxes & Technologies

Symbolic Math Toolbox, Fuzzy Logic Toolbox, Global Optimization Toolbox – Genetic Algorithm, Neural Network Toolbox, Curve Fitting Toolbox, Instrumentation Control Toolbox.

Module 3:

Simulink

Introduction to Block-Sets, Simulation Properties, Commonly Used Block Sets, Inports & Outports, Subsystem, Sinks & Sources, Scope Properties, Importing & Exporting data, Connecting Blocks & Properties, Working with Mux & Demux, Creating Bus, Logic & Math Operations, Look-up Tables, Circuit Designing, Circuit Simulation, Waveform Analysis, Encryption & Decryption of Waveform

Module 4:

Control System Toolbox

Introduction to Control Systems & its application, Linear System Modeling, Designing SISO & MIMO Models, Frequency Domain & Time Domain Analysis. PID Controller Design, Using SISO Design Tool & LTI Viewer.

Module 5:

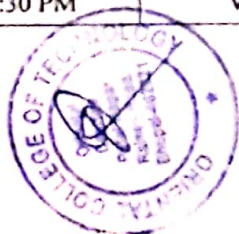
Fuzzy Logic Toolbox

Introduction to Fuzzy Logic & its Fundamental, Designing Logic & Membership Functions, Building System with Fuzzy Logic Toolbox GUI Tool, Fuzzy logic Working in command Line, Fuzzy logic working in Simulink




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SCHEDULE		
5 Days Value Added Course on MATLAB & Its Applications [11 th to 15 th Sept. 2018]		
11 th Sept. 2018		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Fundamentals of MATLAB	Mrs. Preeti Gupta
12:30-1:10PM	LUNCH	
01:10-3:10PM	Practice Session on Matrix	Mrs. Preeti Gupta
3:10 -3:30PM	Break	
03:30-5:30PM	Matlab Scripts & m-functions	Mrs. Preeti Gupta
12 th Sept. 2018		
Time	Session	Teacher
9:00-11:00AM	Introduction to Toolboxes & Technologies	Mrs. Preeti Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Global Optimization Toolbox	Mrs. Preeti Gupta
01:00-1:40PM	LUNCH	
01:40-4:30PM	Neural Network Toolbox	Mrs. Preeti Gupta
13 th Sept. 2018		
Time	Session	Teacher
9:00-11:00AM	Introduction to Simulink	Mr. Kaushal Sen
11:00-11:30AM	Break	
11:30-01:00PM	Connecting Blocks & Properties	Mr. Kaushal Sen
01:00-1:40PM	LUNCH	
01:40-4:30PM	Circuit Designing	Mr. Kaushal Sen
14 th Sept. 2018		
Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Kaushal Sen
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Kaushal Sen
01:00-1:40PM	LUNCH	
01:40-4:30PM	Control System Toolbox	Mr. Kaushal Sen
15 th Sept. 2018		
Time	Session	Teacher
9:00-11:00AM	Assignment	Mrs. Preeti Gupta
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mrs. Preeti Gupta
01:00-1:40PM	LUNCH	
01:40-2:30PM	Fuzzy Logic Toolbox	Mrs. Preeti Gupta
2:30-3:30PM	Feedback from Students	Mrs. Preeti Gupta
3:30-4:30 PM	Valedictory & Certificate Distribution	Mrs. Preeti Gupta



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Handwritten signature and stamp of the Head of Department.

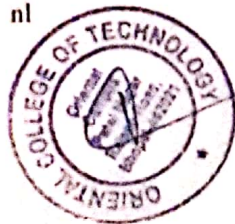
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Value Added Course On MATLAB & Its Applications
Objective Test, Date: 15 sept 2018

Branch:	Electrical & Electronics Engineering		
Semester	5 Sem		Max. marks-50 Minimum marks-25
Subject	Matlab & its Applications	Subject Code: EX30001	Time: 1:30 Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

1. If the coefficient matrix of a linear system has rank 4, and the augmented matrix has rank 5, then:
 - a) The system has infinitely many solutions
 - b) The system is inconsistent
 - c) There are fewer variables than equations
 - d) The system is homogeneous
2. Which of the following is not a pre-defined variable in Matlab?
 - a) pi
 - b) inf
 - c) i
 - d) gravity
3. To print a newline in a fprintf statement, you must use the following escape character:
 - a) t
 - b) nl




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c) nxt

d) n

4. What are the characters in Matlab are represented in their value in memory?

a) decimal

b) ASCII

c) hex

d) string

5. Which one of the following lists contains only legal MATLAB variable names?

a) year-2012, time

b) myTime, 1stVar

c) MyScore1, student1_ID

d) 2nd_Var, my_currency

6. This Matlab command clears all data and variables stored in memory:

a) clc

b) clear

c) delete

d) deallocate

7. What does MatLab consist of?

a) MatLab Language

b) MatLab working environment

c) Handle Graphics

d) All of the above

8. What are the things for which MATLAB can be used

a) Performing very simple calculations

b) Plotting mathematical relationships in two dimensional and three dimensional

c) For operations of matrix



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Oriental College of Technology

d) All of these

9. Which of the following is used to see if two elements are equal in MATLAB?

- a) \neq
- b) $=$
- c) `isequal`
- d) $=$

10. Which of the following MATLAB expression gives -1.

- a) `cos(180)`
- b) `cosd(pi)`
- c) `sind(3*pi/2)`
- d) `sin(-pi/2)`
- e) None of the above

11. Which of the following determines the number of elements N of the matrix B?

- a) $N = \text{size}(B)$
- b) $N = \text{elem}(B)$
- c) $N = \text{prod}(\text{size}(B))$
- d) $N = \text{numel}(B)$

12. The difference between a function and a script is:

- a) only a function file can be run from the command line
- b) only a function requires inputs
- c) only a script file can perform a series of commands
- d) functions cannot save variable values
- e) function variable names only have meaning within the function, whereas script variables are available to other programs

13. Which of the following MATLAB calculations would result the value

- a) $1+4/5$
- b) $6/2*3$



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c) $3^{2/3} * 3$

d) $1+2+3/1+2+3$

e) None of the above

14. A student does an experiment to measure the change in a pendulum's oscillation period with the length of the pendulum. What is the most appropriate excel chart type to display this data?

a) Line

b) Scatter

c) Column

d) Donut

e) Surface

15. The sum() command cannot do _____

a) Infinite summation

b) Numeric summation

c) Long summation

d) signed summation

16. To calculate the sum of only absolute variables in a series, we use _____

a) sum(abs())

b) abssum()

c) sumabs()

d) abs(sum())

17. To enter a value and change the course of working of a function while it is working, we use the _____

a) dbstop

b) db

c) keyboard

d) enter

18. To end the debugging mode, we use the _____

a) dbquit

b) dbend

c) debugend

d) No such function

19. Which of the following command would allow us to continue the evaluation of a function in the debugging mode?

a) dbcont



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- b) dbcontinue
- c) continue
- d) debugcont

20. What are the functions to see the graph of a continuous and a discrete function?

- a) plot() & stem()
- b) cont() & disc()
- c) plot() & disc()
- d) cont() & stem()



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Oriental College of Technology , Bhopal

Department of Electrical & Electronics Engineering

MATLAB & Its Applications

11 to 15 Sept 2018

Sr. No.	Enrollment No.	Name of Student	11/9/2018	12/9/2018	13/9/2018	14/9/2018	15/9/2018
1	0126EX161002	Abhishek Bhargava	Ab	Ab	Ab	Ab	Ab
2	0126EX161003	Aman Yadav	Aman.	Aman.	Aman.	Aman.	Aman.
3	0126EX161004	Anbesa	An	An	An	An	An
4	0126EX161005	Ankita Singh Parihar	Ankita	Ankita	Ankita	Ankita	Ankita
5	0126EX161006	Anurag Kumar Tiwari	Anurag	Anurag	Anurag	Anurag	Anurag
6	0126EX161008	Arpit Shrivastava	Ar	Ar	Ar	Ar	Ar
7	0126EX161009	Arun Kumar Patel	A	A	A	A	A
8	0126EX161010	Ashish Kumar Choubey	Ash	Ash	Ash	Ash	Ash
9	0126EX161011	Bhupendra Jharbade	Bh	Bh	Bh	Bh	Bh
10	0126EX161012	Chetan Okhade	Ch	Ch	Ch	Ch	Ch
11	0126EX161013	Chitransh Deshmukh	Chit	Chit	Chit	Chit	Chit
12	0126EX161014	Deepak Singh Rathour	D	D	D	D	D
13	0126EX161015	Gopal Ubhare	G	G	G	G	G
14	0126EX161016	Harshit Raj	H Raj	H Raj	H Raj	H Raj	H Raj
15	0126EX161017	Karuna Gokhe	K	K	K	K	K
16	0126EX161018	Madhu Kumari	Madh	Madh	Madh	Madh	Madh
17	0126EX161019	Mamta Vijay Mali	M	M	M	M	M
18	0126EX161020	Manish Kumar Mishra	Manish	Manish	Manish	Manish	Manish
19	0126EX161021	Manish Verma	Manish	Manish	Manish	Manish	Manish
20	0126EX161022	Mudassir Ahmad	Mudassir	Mudassir	Mudassir	Mudassir	Mudassir
21	0126EX161023	Neelesh Pandey	Neelesh	Neelesh	Neelesh	Neelesh	Neelesh
22	0126EX161024	Neha Joshi	Neha	Neha	Neha	Neha	Neha
23	0126EX161025	Nishant Prakash	N	N	N	N	N
24	0126EX161027	Nitin Ekka	N	N	N	N	N
25	0126EX161028	Pradeep Kumar S	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep



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Oriental College of Technology



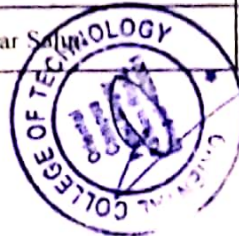
Oriental College of Technology , Bhopal

Department of Electrical & Electronics Engineering

MATLAB & Its Applications

11 to 15 Sept 2018

Sr. No.	Enrollment No.	Name of Student	11/9/2018	12/9/2018	13/9/2018	14/9/2018	15/9/2018
1	0126EX161002	Abhishek Bhargava	A	A	A	A	A
2	0126EX161003	Aman Yadav	Aman.	Aman.	Aman.	Aman.	Aman.
3	0126EX161004	Anbesa	A	A	A	A	A
4	0126EX161005	Ankita Singh Parihar	Ankita	Ankita	Ankita	Ankita	Ankita
5	0126EX161006	Anurag Kumar Tiwari	Anurag	Anurag	Anurag	Anurag	Anurag
6	0126EX161008	Arpit Shrivastava	A	A	A	A	A
7	0126EX161009	Arun Kumar Patel	A	A	A	A	A
8	0126EX161010	Ashish Kumar Choubey	A	A	A	A	A
9	0126EX161011	Bhupendra Jharbade	Bh	Bh	Bh	Bh	Bh
10	0126EX161012	Chetan Okhade	Ch	Ch	Ch	Ch	Ch
11	0126EX161013	Chitransh Deshmukh	Chit	Chit	Chit	Chit	Chit
12	0126EX161014	Deepak Singh Rathour	D	D	D	D	D
13	0126EX161015	Gopal Ubhare	G	G	G	G	G
14	0126EX161016	Harshit Raj	H Raj	H Raj	H Raj	H Raj	H Raj
15	0126EX161017	Karuna Gokhe	K	K	K	K	K
16	0126EX161018	Madhu Kumari	Madh	Madh	Madh	Madh	Madh
17	0126EX161019	Mamta Vijay Mali	M	M	M	M	M
18	0126EX161020	Manish Kumar Mishra	Manish	Manish	Manish	Manish	Manish
19	0126EX161021	Manish Verma	Manish	Manish	Manish	Manish	Manish
20	0126EX161022	Mudassir Ahmad	Mudassir	Mudassir	Mudassir	Mudassir	Mudassir
21	0126EX161023	Neelesh Pandey	Neelesh	Neelesh	Neelesh	Neelesh	Neelesh
22	0126EX161024	Neha Joshi	Neha	Neha	Neha	Neha	Neha
23	0126EX161025	Nishant Prakash	N	N	N	N	N
24	0126EX161027	Nitin Ekka	N	N	A	A	A
25	0126EX161028	Pradeep Kumar S	Pradeep	Pradeep	Pradeep	Pradeep	Pradeep



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26	0126EX161029	Prakash Dubey	P	P	P	P	P
27	0126EX161030	Pranjal Vyas	P	P	P	P	P
28	0126EX161031	Rahul Kumar Yadav	Rahul	Rahul	Rahul	Rahul	Rahul
29	0126EX161032	Raj Anand	Raj	Raj	Raj	Raj	Raj
30	0126EX161034	Rituja Bokade	R	R	R	R	R
31	0126EX161035	Rivanshu Sharma	Rivanshu	Rivanshu	Rivanshu	Rivanshu	Rivanshu
32	0126EX161037	Sachin Gupta	Sachin	Sachin	Sachin	Sachin	Sachin
33	0126EX161038	Saket Kumar	S.Kumar.	S.Kumar	S.Kumar.	S.Kumar.	S.Kumar.
34	0126EX161039	Samarth Sharma	S.S	S.S	S.S	S.S	S.S
35	0126EX161040	Satyam Samrat	Satyam	Satyam	Satyam	Satyam	Satyam
36	0126EX161041	Shivam Kushwaha	S	S	S	S	S
37	0126EX161043	Shreya Tamrkar	Shreya	Shreya	Shreya	Shreya	Shreya
38	0126EX161045	Shubham Prakash	A	A	A	A	A
39	0126EX161046	Shubhank Thakur	Shubhank	Shubhank	Shubhank	Shubhank	Shubhank
40	0126EX161047	Siddh	A	A	A	A	A
41	0126EX161048	Sonal Atewar	A	A	A	A	A
42	0126EX161049	Sujal Nagle	Sujal	Sujal	Sujal	Sujal	Sujal
43	0126EX161050	Sumit Ankar	Sumit	Sumit	Sumit	Sumit	Sumit
44	0126EX161051	Sumit Kumar	Sumit	Sumit	Sumit	Sumit	Sumit
45	0126EX161052	Tanya Mohil Sharma	Tanya	Tanya	Tanya	Tanya	Tanya
46	0126EX161053	Tripti Goswami	A	A	A	A	A
47	0126EX161054	Urvashi Dani	Urvashi	Urvashi	Urvashi	Urvashi	Urvashi
48	0126EX161055	Utkarsh Malviya	U.malviya	U.malviya	U.malviya	U.malviya	U.malviya
49	0126EX161056	Utkarsh Patel	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh
50	0126EX161057	Vaibhav Singh Chauhan	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
51	0126EX161058	Varun Kumar Vaishy	Varun	Varun	Varun	Varun	Varun
52	0126EX161059	Vikas Kumar Singh	A	A	A	A	A

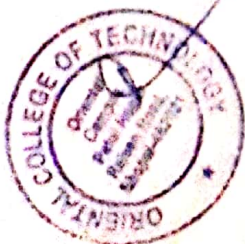
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Oriental College Of Technology, Bhopal
Electrical & Electronics Engineering Department
Value Added Course: Matlab & its Applications, 11-15 sept 2018
Course Code: EX 300D1
ASSESSMENT SHEET

Sno	Enrollment No.	Name of students	Class room assessment score(marks/50)	Objective test score(marks/50)	Total score	Eligible to receive certificate or not
1	0126EX16100 2	Abhishek Bhargava	30	45	75	Eligible
2	0126EX16100 3	Aman Yadav	30	30	60	Eligible
3	0126EX16100 4	Anbesa	35	45	80	Eligible
4	0126EX16100 5	Ankita Singh Parihar	45.5	30	75.5	Eligible
5	0126EX16100 6	Anurag Kumar Tiwari	30	45	75	Eligible
6	0126EX16100 8	Arpit Shrivastava	30	30	60	Eligible
7	0126EX16100 9	Arun Kumar Patel	A	A	0	Not Eligible
8	0126EX16101 0	Ashish Kumar Choubey	30	45	75	Eligible
9	0126EX16101 1	Bhupendra Jharbade	30	30	60	Eligible
10	0126EX16101 2	Chetan Okhade	35	45	80	Eligible
11	0126EX16101 3	Chitransh Deshmukh	45.5	30	75.5	Eligible
12	0126EX16101	Deepak Singh	30	45	75	Eligible



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	4	Rathour				
13	0126EX16101 5	Gopal Ubhare	A	A	0	Eligible
14	0126EX16101 6	Harshit Raj	32	42	74	Eligible
15	0126EX16101 7	Karuna Gokhe	42	40	82	Eligible
16	0126EX16101 8	Madhu Kumari	38	40	78	Eligible
17	0126EX16101 9	Mamta Vijay Mali	38	40	78	Eligible
18	0126EX16102 0	Manish Kumar Mishra	29	40	69	Eligible
19	0126EX16102 1	Manish Verma	30	42	72	Eligible
20	0126EX16102 2	Mudassir Ahmad	45.5	30	75.5	Eligible
21	0126EX16102 3	Neelesh Pandey	32	42	74	Eligible
22	0126EX16102 4	Neha Joshi	42	40	82	Eligible
23	0126EX16102 5	Nishant Prakash	30	42	72	Eligible
24	0126EX16102 7	Nitin Ekka	A	A	0	Not Eligible
25	0126EX16102 8	Pradeep Kumar Sahu	26	30	56	Eligible
26	0126EX16102 9	Prakash Dubey	A	A	0	Not Eligible
27	0126EX16103 0	Pranjal Vyas	30	30	60	Eligible



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28	0126EX16103 1	Rahul Kumar Yadav	38	40	78	Eligible
29	0126EX16103 2	Raj Anand	29	40	69	Eligible
30	0126EX16103 4	Rituja Bokade	30	42	72	Eligible
31	0126EX16103 5	Rivanshu Sharma	45.5	30	75.5	Eligible
32	0126EX16103 7	Sachin Gupta	32	42	74	Eligible
33	0126EX16103 8	Saket Kumar	42	40	82	Eligible
34	0126EX16103 9	Samarth Sharma	30	42	72	Eligible
35	0126EX16104 0	Satyam Samrat	28	35	63	Eligible
36	0126EX16104 1	Shivam Kushwaha	27	45	72	Eligible
37	0126EX16104 3	Shreya Tamrkar	40	40	80	Eligible
38	0126EX16104 5	Shubham Prakash	28	30	58	Eligible
39	0126EX16104 6	Shubhank Thakur	30	30	60	Eligible
40	0126EX16104 7	Siddh	A	A	0	Eligible NOT
41	0126EX16104 8	Sonal Atewar	A	A	0	Eligible No T
42	0126EX16104 9	Sujal Nagle	38	40	78	Eligible
43	0126EX16105	Sumit Ankar	29	40	69	Eligible




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 Electrical Engineering
 Oriental College of Technology

	0					
44	0126EX16105 1	Sumit Kumar	30	42	72	Eligible
45	0126EX16105 2	Tanya Mohil Sharma	45.5	30	75.5	Eligible
46	0126EX16105 3	Tripti Goswami	A	A	0	Not Eligible
47	0126EX16105 4	Urvashi Dani	38	40	78	Eligible
48	0126EX16105 5	Utkarsh Malviya	29	40	69	Eligible
49	0126EX16105 6	Utkarsh Patel	30	42	72	Eligible
50	0126EX16105 7	Vaibhav Singh Chauhan	45.5	30	75.5	Eligible
51	0126EX16105 8	Varun Kumar Vaishy	32	42	74	Eligible
52	0126EX16105 9	Vikas Kumar Singh	A	A	0	Not Eligible




 Head of Department
 Electronics & Instrumentation Engineering
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Director
 Oriental College of Technology
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Course Evaluation/ Feedback Form

Value Added Course	Matlab & its Applications
Date:	11-15 th Sept. 2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mrs. Preeti Gupta

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The course contents compared with you expectations.	(4) 3 2 1
2. The teaching aids were effectively used.	(4) 3 2 1
3. The course contents handed out was useful.	(4) 3 2 1
4. The presenter(s) encouraged interaction and were helpful.	4 (3) 2 1
5. The presenter(s) allowed me to work with and learn from others.	(4) 3 2 1
6. The materials provided were sufficient & appropriate for the program.	(4) 3 2 1
7. The physical arrangements were adequate.	4 (3) 2 1




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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Session: 2017-2018

Department of Electrical & Electronics Engineering

CERTIFICATE

This is to certify that Mr. /Ms. Anbesa of EX-V Sem , OCT, Bhopal, has Completed the "Value Added Course" on "MATLAB & Its Applications" during 11-15 Sept. 2018, organized by Department of Electrical & Electronics Engineering, Oriental College of Technology, Bhopal.

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Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

[Signature]
Co-ordinator, EX, OCT

[Signature]
HOD. EX. OCT

[Signature]
Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering



Report on Value Added Course on MATLAB & Its Applications

Date and Time: September 11, to September 15, 2018. **Venue:** EX, OCT Campus. **Organized**

By: EX, OCT, , Bhopal. **Name of the Speakers:** Prof. Preeti Gupta., Assistant., Prof. EX Deptt. OCT Bhopal, Mr. Kaushal Sen, Assistant Prof. EX Deptt. OCT Bhopal,

Participants Details: II year students of Electrical & Electronics Engineering.

Summary of the Event

During the course students Basic topics should every engineer to be able to pass, advanced topics depend on study program specialization and other topics are suitable for the research or student thesis. Evaluation of student's performance is a difficult process. In the most cases students are evaluated few times a term. With our proposed evaluation student are forced to study before every practice.

"Value Added Course on MATLAB & Its Applications" September 11, to September 15, 2018 for the students of II year .

On January 15, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare , Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.

On February 15, the Course coordinator, Mr. Rishabh Shukla, guided all students on the topic **"MATLAB & Its Applications"**. In his speech, he had explained the need for every student to have skills to get a job.

At last, Prof. Preeti Gupta, Head EX, Convenor of Course gave away the vote of thank. He thanked Mr. Kaushal and all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Preeti Gupta

Course Convenor

EX, OCT



Director
Oriental College of Technology,
Thakral No. 1, Bhopal





Phone No.-0755-2529015, 2529026
Fax: 0755-2529472
E-mail: director@oriental.ac.in
Website: <http://www.oriental.ac.in/oct-bhopal/>

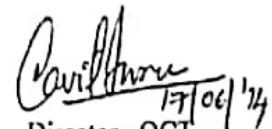
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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if:
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




Director

Oriental College of Technology
Thakral Nagar

Registration Form

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Founder Chairman, Oriental Group of Institutes and Chancellor,
Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mr. Manish Kumar Sharma
octhodce@oriental.ac.in
Mobile: +919425672395

COURSE COORDINATOR

Mr. Alok Goyal
Mobile: 9713648401

**Oriental College of Technology,
Bhopal**



Value Added Course

On

"STADD PRO"

[10-14, September, 2018]

For III -Year Students

Organized By

Department of Civil Engineering

**Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal**

462021

Phone:: 2529026, 2529057, Fax: 0755-2529472



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Name:
Enrollment No.
Branch:
Semester:
Address:
City & Pin:
E-mail id:
Contact No:

Signature

Place:

Date:

Signature with S
Head of the Depart

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

STAAD.PRO – Value Added course

Syllabus

CE30001

Course Co-ordinator: Vasundhra Dubey

Course duration: 30 hrs

Module -1

- Overview of Structural Analysis and Design
- Calculating Shear Force and Bending Moment values for various supports and load types
- Introduction o STAAD.Pro V8i o STAAD Editor.

Module -2

- Co-ordinate Systems o Global Vs Local
- Creating a New Project in STAAD.Pro
- Units
- Model Generation o Creating Nodes & Members
- Select Menu

Module -3


- Model Editing Tools
- Translational Repeat
- Circular Repeat
- Move
- Mirror
- Rotate

Module -4


- Insert Node For a Single Member
- For Multiple Members
- Add Beam
- Point to Point
- Between Midpoints
- Perpendicular Intersection
- Curved Member

Module -5

- Model Editing Tools
- Connect Beams Along
- Stretch Selected Members
- Intersect Selected Members o
- Merge Selected Members
- Renumber
- Split Beam
- Break Beams at Selected Nodes


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Oriental College of Technology, Bhopal
Department of Civil Engineering
Value Added Course – STAAD PRO
Schedule

Date - 10/09/2018 – 14/09/2018

10/09/2018		
Time	Modules	Faculties In-Charge
9:30-10:00 AM	Inaugural Programme	Mr. Dharmendra Singh Dangi
10:00 AM-12:30PM	Introduction o STAAD.Pro	
12:30-1:10PM	LUNCH	Mr. Baldev Barde
01:10-3:10PM	Creating a New Project in STAAD.Pro	
3:10 -3:30PM	Break	Mr. Dharmendra Singh Dangi
03:30-5:30PM	Model Generation o Creating Nodes & Members	
11/09/2018		
Time	Session	Teacher
9:00-11:00AM	Model Editing Tools	Mr. Manish Kumar Sharma
11:00-11:30AM	Break	Mr. Manish Kumar Sharma
11:30-01:00PM	Translational Repeat	
01:00-1:40PM	LUNCH	Mr. Dharmendra Singh Dangi
01:40-4:30PM	Insert Node For a Single Member	
12/09/2018		
Time	Session	Teacher
9:00-11:00AM	Learning of critical load analysis	Mr. Baldev Barde
11:00-11:30AM	Break	Mr. Amar Jain
11:30-01:00PM	For Multiple Members	
01:00-1:40PM	LUNCH	Mr. Amar Jain
01:40-4:30PM	Model Editing Tools	
13/09/2018		
Time	Session	Teacher
9:00-11:00AM	Intersect Selected Members	Mr. Baldev Barde
11:00-11:30AM	Break	Mr. Baldev Barde
11:30-01:00PM	Stretch Selected Members , Break Beams at Selected Nodes	
01:00-1:40PM	LUNCH	Mr. Amar Jain
01:40-4:30PM	Merge Selected Members	
14/09/2018		
Time	Session	Teacher
9:00-11:00AM	Assignment :Load Analysis of a structure	Mr. Amar Jain
11:00-11:30AM	Break	Mr. Baldev Barde
11:30-01:00PM	Objective Test	
01:00-1:40PM	LUNCH	Mr. Amar Jain
01:40-2:30PM	Submission of Load analysis and Assignment submission	
2:30-3:30PM	Feedback from students	Mr. Baldev Barde
3:30-4:30 PM	Certificate distribution	Mr. Manish Kumar Sharma



(Signature)
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

(Signature)
Head of Department
Civil Engineering
Oriental College of Technology
BHOPAL

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Department of Civil Engineering

Value Added Course on STADD PRO


Objective Type Test

Date: 14/09/2018

Branch:	Civil Engineering		
Semester:	Fifth Semester	Max. Marks-50	Minimum Marks:25
Subject:	STADD PRO	Subject Code: CE 30001	Time: 1:30Hrs
Note	All questions are compulsory. Each Question is of 5 Marks.		

- Which of the following sub-pages are in Foundation Plan Pages?
A) Linear Grid Setting
B) Radial Grid Setup
C) Column Positioning
D) Column Dimension and width
- In track parameter, we have which of the following values?
A) 2,3,4
B) 0,1,2
C) 1,0,2
D) 1,2,3
- By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?
A) 1
B) 3
C) 6
D) 5
- In Concentrated Load, P is:
A) All of the above
B) Force Direction
C) Perpendicular distance from the member
D) Value of Load
- In how many ways can we assign support to Nodes?
A) 1
B) 4
C) 2
D) 5




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6. In Meshing Parametric dialog box, by default, bias value is ___ and divi value is ___. 1

- A) Bias is 1 Divi is 15
- B) Bias is 1 Divi is 11
- C) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10

7. STAAD.Pro Perform Analysis is:

- A) Taking into consideration the Displacement of Nodes
- B) Taking into consideration the Stiffness Correction
- C) Multi- Iteration Analysis
- D) None of the Above

8. You can also edit the parameters in structure wizard's models.

- A) true
- B) false

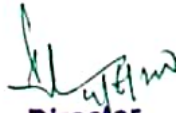
9. Indian Standard Criteria for Earthquake Resistant design of Structure is?

- A) Is 1893-2003
- B) Is 1893-2002
- C) Is 1892-2005
- D) Is 1892-2003

10. In floor load, Y is the:

- A) Affective height
- B) Floor height
- C) Building height
- D) All of the Above




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Department of Civil Engineering

Stadd Pro (Value Added Course)

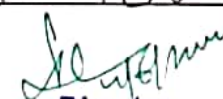
Course Code: CE 30001

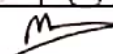
Date - 10/09/2018 - 14/09/2018

ATTENDANCE SHEET

Sr.No.	Enroll NO.	Name of Student	9/10/2018	9/11/2018	9/12/2018	9/13/2018	9/14/2018
1	0126CE161001	AAMIR UDDIN KHAN	Au	Au	Au	Au	Au
2	0126CE161002	ABHISHEK DHAKRE	Abh	Abh	Abh	Abh	Abh
3	0126CE161003	AKASH KUMAR	Ak	Ak	Ak	Ak	Ak
4	0126CE161004	AKSHAT SINHA	Sinha	Sinha	Sinha	Sinha	Sinha
5	0126CE161005	AKSHAY PORIYA	Poriza	Poriza	Poriza	Poriza	Poriza
6	0126CE161006	AMIT KUMAR SINGH	Singh	Singh	Singh	Singh	Singh
7	0126CE161008	ANIKET SHUKLA	Aniket	Aniket	Aniket	Aniket	Aniket
8	0126CE161009	ANKIT SHARMA	An	An	An	An	An
9	0126CE161010	ANOOB KUMAR SINGH	AKS	AKS	AKS	AKS	AKS
10	0126CE161011	ANSHU KUMAR	anshu	anshu	anshu	anshu	anshu
11	0126CE161012	ARPIT SABLE	(A)	(A)	(A)	(A)	(A)
12	0126CE161013	ARVIND KUMAR SAHU	Sahu	Sahu	Sahu	Sahu	Sahu
13	0126CE161016	CHANDRAKETU SHARMA	Sharma	Sharma	Sharma	Sharma	Sharma
14	0126CE161017	DEEPESH SINGH	De	De	De	De	De
15	0126CE161018	DEVANSH PANDEY	Pandey	Pandey	Pandey	Pandey	Pandey
16	0126CE161019	DEVASHISH MISHRA	MD	MD	MD	MD	MD
17	0126CE161020	DIK KUMAR TIWARI	Tiwari	Tiwari	Tiwari	Tiwari	Tiwari
18	0126CE161021	DIVYOT SINGH KAINTH	Diyot	Diyot	Diyot	Diyot	Diyot
19	0126CE161022	DIVYANSH SHUKLA	D	D	D	D	D
20	0126CE161023	DIVYANSH SHUKLA	(A)	(A)	(A)	(A)	(A)
21	0126CE161024	DIWAKAR SINGH PARMAR	(A)	(A)	(A)	(A)	(A)
22	0126CE161025	GAURAV KUMAR SHUKLA	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
23	0126CE161026	HARSHITA MALVIYA	Harshi	Harshi	Harshi	Harshi	Harshi
24	0126CE161027	JASWANT KUMAR GAUTAM	(A)	(A)	(A)	(A)	(A)
25	0126CE161028	K SHIREYAS NAIDU	Naidu	Naidu	Naidu	Naidu	Naidu
26	0126CE161029	KARAN KUMAR	Karan	Karan	Karan	Karan	Karan
27	0126CE161030	KARTIK KUMAR	Ku	Ku	Ku	Ku	Ku
28	0126CE161031	KHUSHI BHALAVI	Khushi	Khushi	Khushi	Khushi	Khushi
29	0126CE161032	KRISHAN KUMAR RAI	Rai	Rai	Rai	Rai	Rai
30	0126CE161033	KULDEEP SHARMA	Sharma	Sharma	Sharma	Sharma	Sharma
31	0126CE161034	M D ATIF	Atif	Atif	Atif	Atif	Atif
32	0126CE161035	MAHERSHI GARG	Garg	Garg	Garg	Garg	Garg
33	0126CE161036	MANISH KUMAR	Manish	Manish	Manish	Manish	Manish
34	0126CE161037	MD FAHAD KHAN	(A)	(A)	(A)	(A)	(A)
35	0126CE161038	MD SAMEER	(A)	(A)	(A)	(A)	(A)
36	0126CE161039	MOHD ABRAR AHMED	M	M	M	M	M
37	0126CE161040	MOHD ASIF KHAN	(A)	(A)	(A)	(A)	(A)
38	0126CE161041	MOHIT KHARE	Mh	Mh	Mh	Mh	Mh
39	0126CE161042	NAAZ FAREEN ANSARI	NZ	NZ	NZ	NZ	NZ
40	0126CE161043	NIKHIL VISIHWAKARMA	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
41	0126CE161044	NILESH KUMAR CHAURASIA	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh
42	0126CE161045	NITISH TIWARI	Tiwari	Tiwari	Tiwari	Tiwari	Tiwari
43	0126CE161046	PRABHAV KHARE	(A)	(A)	(A)	(A)	(A)
44	0126CE161047	PRADIP CHAUHAN	Ch	Ch	Ch	Ch	Ch




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45	0126CE161048	PRAJYOT MISHRA	P.Mishra	P.Mishra	P.Mishra	P.Mishra	P.Mishra
46	0126CE161049	FRANSHU KUMAR SINHA	Sin	Sin	Sin	Sin	Sin
47	0126CE161050	PREMSAGAR KUMAR	Kumar	Kumar	Kumar	Kumar	Kumar
48	0126CE161051	PRISCILLA DAS	Das	Das	Das	Das	Das
49	0126CE161052	RAJAT SHARMA	Sharma	Sharma	Sharma	Sharma	Sharma
50	0126CE161053	RAKESH YADUWANSHI	Yaduwanshi	Yaduwanshi	Yaduwanshi	Yaduwanshi	Yaduwanshi
51	0126CE161054	RAVI RAJ	Raj	Raj	Raj	Raj	Raj
52	0126CE161055	RITIK KUMAR SHUKLA	Shukla	Shukla	Shukla	Shukla	Shukla
53	0126CE161056	RITURAJ PATEL	Patel	Patel	Patel	Patel	Patel
54	0126CE161057	RUDRA KANT PATLE	Patle	Patle	Patle	Patle	Patle
55	0126CE161059	SACHIN GARG	Garg	Garg	Garg	Garg	Garg
56	0126CE161061	SAMYAK JAIN	Jain	Jain	Jain	Jain	Jain
57	0126CE161062	SANDEEP JOSHI	Joshi	Joshi	Joshi	Joshi	Joshi
58	0126CE161063	SHASHANK ARTANI	Artani	Artani	Artani	Artani	Artani
59	0126CE161064	SHIVAM DWIVEDI	Dwivedi	Dwivedi	Dwivedi	Dwivedi	Dwivedi
60	0126CE161065	SHIVANSHU BHADORIYA	Bhadoriya	Bhadoriya	Bhadoriya	Bhadoriya	Bhadoriya
61	0126CE161066	SHUBHAM BHARDWAJ	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj
62	0126CE161067	SHUBHI SINGH	Singh	Singh	Singh	Singh	Singh
63	0126CE161068	SHUKLA SUJOY GYANENDRA	Gyanendra	Gyanendra	Gyanendra	Gyanendra	Gyanendra
64	0126CE161069	SUYASH PRIYADARSHI	Priyadarshi	Priyadarshi	Priyadarshi	Priyadarshi	Priyadarshi
65	0126CE161070	SYED RAVISH HUSSAIN	Hussain	Hussain	Hussain	Hussain	Hussain
66	0126CE161071	TARUN SONI	Soni	Soni	Soni	Soni	Soni
67	0126CE161074	UTSAV TIWARI	Tiwari	Tiwari	Tiwari	Tiwari	Tiwari
68	0126CE161075	YASH TRIVEDI	Trivedi	Trivedi	Trivedi	Trivedi	Trivedi
69	0126CE161076	YOGESH KUMAR VISHWAKARMA	Vishwakarma	Vishwakarma	Vishwakarma	Vishwakarma	Vishwakarma
70	0126CE161077	RAHUL KEER	Keer	Keer	Keer	Keer	Keer


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Department of Civil Engineering

Stadd Pro (Value Added Course)

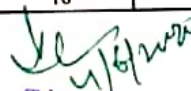
Course Code: CE 30001


Date - 10/09/2018 - 14/09/2018

ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Marks	Objective Type Test Marks	Total Marks obtained	Certificate status
1	0126CE161001	AAMIR UDDIN KHAN	37	40	77	Eligible
2	0126CE161002	ABHISHEK DHAKRE	32	45	77	Eligible
3	0126CE161003	AKASH KUMAR	35	45	80	Eligible
4	0126CE161004	AKSHAT SINHA	36	40	76	Eligible
5	0126CE161005	AKSHAY PORIYA	35	40	75	Eligible
6	0126CE161006	AMIT KUMAR SINGH	31	45	76	Eligible
7	0126CE161008	ANIKET SHUKLA	35	45	80	Eligible
8	0126CE161009	ANKIT SHARMA	40	40	80	Eligible
9	0126CE161010	ANOO P KUMAR SINGH	44	45	89	Eligible
10	0126CE161011	ANSHU KUMAR	28	40	68	Eligible
11	0126CE161012	ARPIT SABLE	A	A	0	Not Eligible
12	0126CE161013	ARVIND KUMAR SAHU	26	45	71	Eligible
13	0126CE161016	CHANDRAKETU SHARMA	37	40	77	Eligible
14	0126CE161017	DEEPESH SINGH	32	45	77	Eligible
15	0126CE161018	DEVANSH PANDEY	35	45	80	Eligible
16	0126CE161019	DEVASHISH MISHRA	36	40	76	Eligible
17	0126CE161020	DIK KUMAR TIWARI	35	40	75	Eligible
18	0126CE161021	DIVIYOT SINGH KAINTHI	31	45	76	Eligible
19	0126CE161022	DIVYANSH SHUKLA	40	45	85	Eligible
20	0126CE161023	DIVYANSH SHUKLA	A	A	0	Not Eligible
21	0126CE161024	DIWAKAR SINGH PARMAR	A	A	0	Not Eligible
22	0126CE161025	GAURAV KUMAR SHUKLA	28	40	68	Eligible
23	0126CE161026	HARSHITA MALVIYA	35	40	75	Eligible
24	0126CE161027	JASWANT KUMAR GAUTAM	40	45	85	Eligible
25	0126CE161028	K SHIREYAS NAIDU	45	45	90	Eligible
26	0126CE161029	KARAN KUMAR	45	40	85	Eligible
27	0126CE161030	KARTIK KUMAR	35	40	75	Eligible
28	0126CE161031	KHUSHI BHALAVI	35	45	80	Eligible
29	0126CE161032	KRISHAN KUMAR RAI	40	40	80	Eligible
30	0126CE161033	KULDEEP SHARMA	44	45	89	Eligible
31	0126CE161034	M D ATIF	28	40	68	Eligible
32	0126CE161035	MAHERSHI GARG	26	45	71	Eligible
33	0126CE161036	MANISH KUMAR	32	45	77	Eligible
34	0126CE161037	MD FAHAD KHAN	A	A	0	Not Eligible
35	0126CE161038	MD SAMEER	A	A	0	Not Eligible
36	0126CE161039	MOHD ABRAR AHMED	35	45	80	Eligible
37	0126CE161040	MOHD ASIF KHAN	A	A	0	Not Eligible
38	0126CE161041	MOHIT KHARE	31	50	81	Eligible
39	0126CE161042	NAAZ FAREEN ANSARI	40	45	85	Eligible
40	0126CE161043	NIKHIL VISHWAKARMA	35	40	75	Eligible
41	0126CE161044	ROSHI KUMAR CHAURASIA	40	35	75	Eligible




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42	0126CE161045	NITISH TIWARI	35	40	75	Eligible
43	0126CE161046	PRABHAV KHARE	A	A	0	Not Eligible
44	0126CE161047	PRADIP CHAUHAN	32	45	77	Eligible
45	0126CE161048	PRAJYOT MISHRA	37	40	77	Eligible
46	0126CE161049	FRANSHU KUMAR SINHA	32	45	77	Eligible
47	0126CE161050	PREMSAGAR KUMAR	35	45	80	Eligible
48	0126CE161051	PRISCILLA DAS	31	50	81	Eligible
49	0126CE161052	RAJAT SHARMA	40	45	85	Eligible
50	0126CE161053	RAKESH YADUWANSHI	A	A	0	Not Eligible
51	0126CE161054	RAVI RAJ	35	40	75	Eligible
52	0126CE161055	RITIK KUMAR SHUKLA	40	35	75	Eligible
53	0126CE161056	RITURAJ PATEL	38	40	78	Eligible
54	0126CE161057	RUDRA KANT PATLE	30	40	70	Eligible
55	0126CE161059	SACHIN GARG	32	45	77	Eligible
56	0126CE161061	SAMYAK JAIN	35	40	75	Eligible
57	0126CE161062	SANDEEP JOSHI	32	45	77	Eligible
58	0126CE161063	SHASHANK ARTANI	37	40	77	Eligible
59	0126CE161064	SHIVAM DWIVEDI	32	45	77	Eligible
60	0126CE161065	SHIVANSHU BHADORIYA	35	45	80	Eligible
61	0126CE161066	SHUBHAM BHARDWAJ	A	A	0	Not Eligible
62	0126CE161067	SHUBHI SINGH	31	50	81	Eligible
63	0126CE161068	SHUKLA SUJOY GYANENDRA	40	45	85	Eligible
64	0126CE161069	SUYASH PRIYADARSHI	35	40	75	Eligible
65	0126CE161070	SYED RAVISH HUSSAIN	40	35	75	Eligible
66	0126CE161071	TARUN SONI	38	40	78	Eligible
67	0126CE161074	UTSAV TIWARI	30	40	70	Eligible
68	0126CE161075	YASH TRIVEDI	A	A	0	Not Eligible
69	0126CE161076	YOGESH KUMAR VISHWAKARMA	48	45	93	Eligible
70	0126CE161077	RAHUL KEER	38	45	83	Eligible

Head of Department
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 Bhopal



[Signature]
 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal

Course Evaluation/ Feedback Form

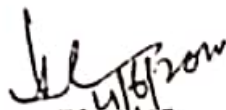
Value Added Course	STADD PRO
Date:	10/09/2018 - 14/09/2018
Program Location:	Oriental College of Technology, Bhopal
Faculty Incharge:	Mr. Manish Kumar Sharma, Mr. Alok Goyal, Mr Baldev Harde

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4 3 2 1 <u>4</u> 3 2 1
2. The Course was well organized.	4 3 2 1 4 <u>3</u> 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1 <u>4</u> 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1 4 <u>3</u> 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 3 2 1 <u>4</u> 3 2 1
6. The materials provided were sufficient & appropriate for the program.	4 3 2 1 <u>4</u> 3 2 1
7. The physical arrangements were adequate.	4 3 2 1 <u>4</u> 3 2 1




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Oriental College of Technology, Bhopal

Department of Civil Engineering

Stadd Pro (Value Added Course)

Course Code: CE 30001

Date - 10/09/2018 - 14/09/2018



Certificate by

[Signature]
10/9/20

Director

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BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



DEPARTMENT OF CIVIL ENGINEERING

SESSION: 2018-19

CERTIFICATE

*This is to certify that Mr./Ms AAMIR UDDIN KHAN of CE V Semester. OCT, Bhopal has
Successfully Completed the "Value Added Course" on "STADD PRO" during 10-14 Sept 2018,
organized by Department of Civil Engineering, Oriental College of Technology, Bhopal*

Co-Ordinator, CE, OCT

Head of Department, CE OCT

Director, OCT



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY

BHOPAL



Department of Civil Engineering

Report on Value Added Course on "Stadd Pro"

Date and Time: 10/09/2018 to 14/09/2018.

Venue: CE, OCT Campus.

Organized by: CE, OCT, Bhopal.

Name of the Speakers: Mr. Manish Kumar Sharma (HOD CE), Mr. Alok Goyal, Mr. Dharmendra Singh Dangi, Mr. Baldev Barde, Mr. Amar Jain


Participants Details: Third year students of Department of Civil Engineering.

Summary of the Event

The Value added course plays an important role in strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Civil Engineering Department of Oriental College of Technology had organized "Value Added Course on Stadd Pro" from 10/09/2018 to 14/09/2018 for the students of second year.

This Course syllabus was covered by Mr. Manish Kumar Sharma (HOD CE), Mr. Alok Goyal, Mr. Dharmendra Singh Dangi, Mr. Baldev Barde, Mr. Amar Jain, OCT in 30 Hrs. of 5-Day program. On 10/09/2018, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.




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On 10/09/2018, Mr. Dharmendra Singh Dangi & Mr. Baldev Barde, make students Learned Introduction to STADD PRO Software & Introduction to creating a new project, Nodes and members.. On 11/09/2018, Mr. Dharmendra Singh Dangi, make students Learned Model Editing tools & multiple members. On 12/09/2018, Mr. Amar Jain & Mr. Baldev Barde, make students learned critical load analysis. On 13/09/2018, Mr. Amar Jain & Mr. Baldev Barde make student learned Stretch Selected Members , Break Beams at Selected Nodes. On 14/09/2018, Mr. Amar Jain, assigned Load analysis of a structure followed by Value added course assessment test organised by Mr. Baldev Barde. At last Mr. Manish Kumar Sharma (HOD CE) Convenor of Course gave away the vote of thank. He also thanked Mr.Alok Goyal, Mr. Dharmendra Singh Dangi, Mr. Baldev Barde, Mr. Amar Jain for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Mr. Manish Kumar Sharma

Course Convenor

CE, OCT




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Oriental College Of Technology, Bhopal

Date: 17 June 2014

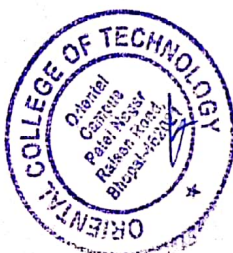
Policy of Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Test Score, with minimum of 60% attendance
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Exam Score $\geq 25/50$.
 - c. If one of the 2 criteria is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Dr. P. N. Rao
17/06/14
Director, OCT

Copy to:

1. Academic Committee
2. All HoD's, OCT



Dr. P. N. Rao
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name :

Enrollment No.....

Branch :

Semester :

Address.....

.....

.....

.....

City & Pin.....

E-mail id.....

Contact No :

Place:

Signature

Date:



Signature with Seal
Head of the Department

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

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Ms. Bhavna Gupta
Mobile: +919584559227

ORGANISING COMMITTEE MEMBERS

Mr. Sourabh Jain
Mr. Saket Gupta

CONTACT

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**Oriental College of Technology,
Bhopal**



Value Added Course

On

“Machine Learning”

[17-21, September, 2018]

For IV-Year Students

Organized By

Department of Computer Science Engineering

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal – 462021
Phone: 2529026, 2529057, Fax: 0755-2529452

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Computer Science is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The CS Department offers M.Tech Course in Computer Science Engineering along with

Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "Machine Learning" is a Value-Added course which will focus on providing vast knowledge on data, algorithms and automation of the systems.

OBJECTIVES & CONTENTS

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

- ✓ To know the basics of Machine Learning and data visualization.
- ✓ To know about neural networks and implementation of convolution neural networks.
- ✓ To know about RL-frameworks, applications of ML and Support Vector machines.

ELIGIBILITY

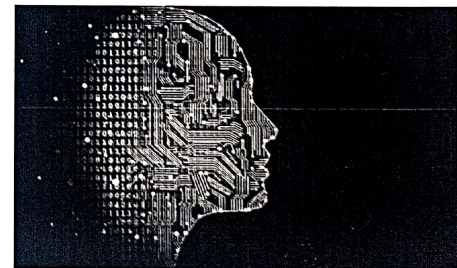
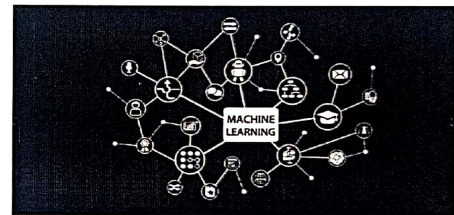
The Fourth year Students of Computer Science Engineering branches are eligible to attend the Machine Learning course.

REGISTRATION

- ✓ No Registration fees.

INVITED SPEAKERS

Mr. Pradeep Mishra
Associate Professor, Dept CSE, OCT Bhopal



Director
Oriental College of Technology
Thakral Nagar, Bhopal Road
Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MACHINE LEARNING SYLLABUS (CSE 40001)

Module-I

Introduction to machine learning, data Visualization, data processing, data normalization, limitations, application regression, machine learning models , supervised and unsupervised learning.

Module -II

Activation functions like sigmoid, Linearity vs non linearity, Types of neural network, initialization of weight, training, testing.

Module -III

Convolution layer, convolution neural network and flattening, sub sampling, inception network, implementation of CNN.

Module -IV

RL-framework, Recurrent neural network, Reinforcement Learning, RL-framework, MDP, Bellman equations, Value Iteration and Policy Iteration

Module -V

Application of machine learning, Support Vector Machines, Bayesian learning, in computer vision, speech processing, natural language processing

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Bhanu
Faculty Coordinator



KW
Head of Department

SCHEDULE- Value Added Course on Machine Learning(CSE-40001)
5 Days Value Added Course on Machine Learning [17 Sep 2018 to 21 Sep 2018]

17 Sep 2018-DAY-I

Time	Session	Instructor
9:30-10:00 AM	Inaugural Programme	
10:00-12:30PM	Introduction to Machine Learning	Mr. Pradeep Mishra
12:30-1:10PM	LUNCH	
01:10-3:10PM	Data Visualization, data processing, data normalization, application regression, ML models	Mr. Pradeep Mishra
3:10 -3:30PM	Break	
03:30-5:30PM	Practice session	Mr. Pradeep Mishra

18 Sep 2018-DAY-II

Time	Session	Instructor
9:00-11:00AM	Introducing activation functions like Sigmoid	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Linearity, non-linearity, neural networks and its types, weight initialization	Mr. Pradeep Mishra
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session	Mr. Pradeep Mishra

19 Sep 2018-DAY-III

Time	Session	Instructor
9:00-11:00AM	Convolution layer & Convolution neural networks	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Sub sampling, inception network, implementation of CNN	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session	Mr. Pradeep Mishra

20 Sep 2018-DAY-IV

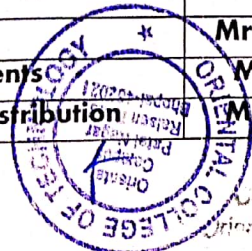
Time	Session	Instructor
9:00-11:00AM	RL-framework, recurrent neural network, reinforcement learning, MDP, Value and Policy iteration	Mr. Pradeep Mishra
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session	Mr. Sourabh Jain

21 Sep 2018-DAY-V

Time	Session	Instructor
9:00-11:00AM	Applications of ML, support vector machines, Bayesian Learning	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Speech processing and natural language processing	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-2:30PM	Practice session	Mr. Pradeep Mishra

2:30-3:30PM **Director** Feedback from students
 3:30-4:00PM **MS Bhavna Gupta** Certificate distribution

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Head of Department
 Computer Science & Engineering
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Marks Scored: _____

Semester: VII Subject Name/Code: Machine Learning(CSE 40001) Max Marks:50

Name of Student: _____ Enrollment No: _____

1. Which of the following is a widely used and effective machine learning algorithm based on the idea of bagging?

- a. Decision Tree
- b. Regression
- c. Classification
- d. Random Forest

2. To find the minimum or the maximum of a function, we set the gradient to zero because:

- a. The value of the gradient at extrema of a function is always zero
- b. Depends on the type of problem
- c. Both A and B
- d. None of the above

3. The most widely used metrics and tools to assess a classification model are:

- a. Confusion matrix
- b. Cost-sensitive accuracy
- c. Area under the ROC curve
- d. All of the above

4. Which of the following is a good test dataset characteristic?

- a. Large enough to yield meaningful results
- b. Is representative of the dataset as a whole
- c. Both A and B
- d. None of the above

5. Which of the following is a disadvantage of decision trees?

- a. Factor analysis
- b. Decision trees are robust to outliers
- c. Decision trees are prone to be over fit


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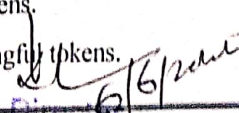


- d. None of the above
6. How do you handle missing or corrupted data in a dataset?
- Drop missing rows or columns
 - Replace missing values with mean/median/mode
 - Assign a unique category to missing values
 - All of the above
7. What is the purpose of performing cross-validation?
- To assess the predictive performance of the models
 - To judge how the trained model performs outside the sample on test data
 - Both A and B
8. Why is second order differencing in time series needed?
- To remove stationary
 - To find the maxima or minima at the local point
 - Both A and B
 - None of the above
9. When performing regression or classification, which of the following is the correct way to preprocess the data?
- Normalize the data → PCA → training - answer
 - PCA → normalize PCA output → training
 - Normalize the data → PCA → normalize PCA output → training
 - None of the above
10. Which of the following is an example of feature extraction?
- Constructing bag of words vector from an email
 - Applying PCA projects to a large high-dimensional data
 - Removing stopwords in a sentence
 - All of the above
11. What is `pca.components_` in Sklearn?
- Set of all eigen vectors for the projection space - answer
 - Matrix of principal components
 - Result of the multiplication matrix
 - None of the above options
12. Which of the following is true about Naive Bayes ?
- Assumes that all the features in a dataset are equally important
 - Assumes that all the features in a dataset are independent
 - Both A and B
 - None of the above options
13. Which of the following statements about regularization is not correct?



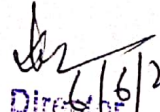
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- a. Using too large a value of lambda can cause your hypothesis to underfit the data.
 - b. Using too large a value of lambda can cause your hypothesis to overfit the data.
 - c. Using a very large value of lambda cannot hurt the performance of your hypothesis.
 - d. None of the above
14. How can you prevent a clustering algorithm from getting stuck in bad local optima?
- a. Set the same seed value for each run
 - b. Use multiple random initializations
 - c. Both A and B
 - d. None of the above
15. Which of the following techniques can be used for normalization in text mining?
- a. Stemming
 - b. Lemmatization
 - c. Stop Word Removal
 - d. Both A and B
16. In which of the following cases will K-means clustering fail to give good results? 1) Data points with outliers 2) Data points with different densities 3) Data points with nonconvex shapes
- a. 1 and 2
 - b. 2 and 3
 - c. 1, 2, and 3
 - d. 1 and 3
17. Which of the following is a reasonable way to select the number of principal components "k"?
- a. Choose k to be the smallest value so that at least 99% of the variance is retained.
 - b. Choose k to be 99% of m ($k = 0.99 * m$, rounded to the nearest integer).
 - c. Choose k to be the largest value so that 99% of the variance is retained.
 - d. Use the elbow method
18. You run gradient descent for 15 iterations with $\alpha=0.3$ and compute $J(\theta)$ after each iteration. You find that the value of $J(\theta)$ decreases quickly and then levels off. Based on this, which of the following conclusions seems most plausible?
- a. Rather than using the current value of α , use a larger value of α (say $\alpha=1.0$)
 - b. Rather than using the current value of α , use a smaller value of α (say $\alpha=0.1$)
 - c. $\alpha=0.3$ is an effective choice of learning rate
 - d. None of the above
19. What is a sentence parser typically used for?
- a. It is used to parse sentences to check if they are utf-8 compliant.
 - b. It is used to parse sentences to derive their most likely syntax tree structures.
 - c. It is used to parse sentences to assign POS tags to all tokens.
 - d. It is used to check if sentences can be parsed into meaningful tokens.


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20. Suppose you have trained a logistic regression classifier and it outputs a new example x with a prediction $h_0(x) = 0.2$. This means
- Our estimate for $P(y=1 | x)$
 - Our estimate for $P(y=0 | x)$
 - Our estimate for $P(y=1 | x)$
 - Our estimate for $P(y=0 | x)$
21. Which of the following is a widely used and effective machine learning algorithm based on the idea of bagging?
- Decision Tree
 - Regression
 - Classification
 - Random Forest
- 22.) Which of the following is a good test dataset characteristic?
- Large enough to yield meaningful results
 - Is representative of the dataset as a whole
 - Both A and B
 - None of the above
- 23.) How do you handle missing or corrupted data in a dataset?
- Drop missing rows or columns
 - Replace missing values with mean/median/mode
 - Assign a unique category to missing values
 - All of the above
- 24.) Why is second order differencing in time series needed?
- To remove stationary
 - To find the maxima or minima at the local point
 - Both A and B
 - None of the above
- 25) Which of the following statement is true in following case?
- Feature F1 is an example of nominal variable.
 - Feature F1 is an example of ordinal variable.
 - It doesn't belong to any of the above category.
 - Both of these


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6/6/2020
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MACHINE LEARNING SYLLABUS (CSE 40001)

ans

1-d

2-a

3-d

4-c

5-c

6-d

7-c

8-c

9-a

10-d

11-a

12-c

13-d

14-b

15-d

16-c

17-a

18-c

19-b

20-b

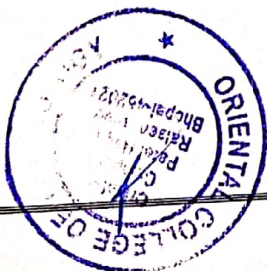
21- d

22 - c

23- d

24 - c

25 - b



S. S. Sharma
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DEPARTMENT OF CSE

ATTENDANCE

SNO	ENROLL NO	NAME					
1	0126CS151001	AAKASH SHUKLA	Akash	A	Akash	A	Akash
2	0126CS151002	AAYUSH MALAIYA	Aayush	A	Aayush	A	Aayush
3	0126CS151003	ABHISHEK ANAND	Abhishek	A	Abhishek	A	Abhishek
4	0126CS151004	ABHISHEK DWIVEDI	Abhishek	A	Abhishek	A	Abhishek
5	0126CS151005	ADITI AGRAWAL	Aditi	A	Aditi	A	Aditi
6	0126CS151006	ADITI SHARMA	Aditi	A	Aditi	A	Aditi
7	0126CS151007	AFZA ANSARI	Afza	A	Afza	A	Afza
8	0126CS151008	AJAY RAWAT	Ajay	A	Ajay	A	Ajay
9	0126CS151009	AKSHAY CHOUREY	Akshay	A	Akshay	A	Akshay
10	0126CS151010	ALOK KUMARPANDEY	Alok	A	Alok	A	Alok
11	0126CS151011	AMAN DULHANI	Aman	A	Aman	A	Aman
12	0126CS151012	AMBIKA SINGH	Ambika	A	Ambika	A	Ambika
13	0126CS151013	ANANYA PRAKASH	Ananya	A	Ananya	A	Ananya
14	0126CS151014	ANANYA SHIVHARE	Ananya	A	Ananya	A	Ananya
15	0126CS151015	ANIKET SHUKLA	Aniket	A	Aniket	A	Aniket
16	0126CS151016	ANISH SUNDARANI	Anish	A	Anish	A	Anish
17	0126CS151017	ANKIT LANJEWAR	Ankit	A	Ankit	A	Ankit
18	0126CS151018	ANKIT KESHARI	Ankit	A	Ankit	A	Ankit
19	0126CS151019	ANKIT SINGH	A	A	A	A	A
20	0126CS151020	APURV RANJAN	Apurv	A	Apurv	A	Apurv
21	0126CS151021	ARPIT JAIN	A	A	A	A	A
22	0126CS151022	ARUN KUMARRAI	Arun	A	Arun	A	Arun
23	0126CS151024	ASHISH TIWARI	A	A	A	A	A
24	0126CS151025	AVINASH SHARMA	Avinash	A	Avinash	A	Avinash
25	0126CS151026	AVNEESH TIWARI	A	A	A	A	A
26	0126CS151027	BHOOMIKA MALVIYA	Bhomi	A	Bhomi	A	Bhomi
27	0126CS151028	CHANDRA BHUSHANKUMAR	Chandra	A	Chandra	A	Chandra
28	0126CS151029	CHETNA BHALROY	Chetna	A	Chetna	A	Chetna
29	0126CS151030	CHIRAYU RAHANGDALE	A	A	A	A	A
30	0126CS151031	DEEPALI GUPTA	Deepali	A	Deepali	A	Deepali
31	0126CS151032	DEVASHISH SHRIVASTAVA	Devashish	A	Devashish	A	Devashish
32	0126CS151033	DEVIK NAYAK	Devi	A	Devi	A	Devi
33	0126CS151034	DHARMENDRA LODHI	A	A	A	A	A
34	0126CS151035	DIKSHA SAWARN	Diksha	A	Diksha	A	Diksha
35	0126CS151036	DIPANSHEE NAKADE	Dipanshee	A	Dipanshee	A	Dipanshee
36	0126CS151037	DIVYA BAJPAI	Divya	A	Divya	A	Divya



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37	0126CS151038	DIVYANSH PODDAR	Poddar	Poddar	A	Poddar	Poddar
38	0126CS151039	GARIMA GANGRADE	Gangra	A	Gangra	Gangra	Gangra
39	0126CS151040	GAUTAM NARAYAN	A	A	A	A	A
40	0126CS151041	HARSH RAJAN	Rajan	Rajan	A	A	Rajan
41	0126CS151042	HEMADRI TEMBHARE	Hemadri	A	Hemadri	Hemadri	Hemadri
42	0126CS151044	HITALI SHIRIVASTAVA	Hitali	A	Hitali	Hitali	Hitali
43	0126CS151045	JATIN UDIWAL	Jatin	A	Jatin	A	Jatin
44	0126CS151046	JAYA GOUR	Jaya	A	Jaya	Jaya	Jaya
45	0126CS151047	JYOTSNA TIWARI	Jyotsna	A	Jyotsna	Jyotsna	A
46	0126CS151048	KHUSHBOO SONONE	Khushbo	A	Khushbo	A	Khushbo
47	0126CS151049	KOMAL SHRESTHA	Komal	Komal	Komal	Komal	A
48	0126CS151050	KUMAR ALOK	A	A	A	A	A
49	0126CS151051	LOKESH JAIN	Lokesh	A	Lokesh	A	Lokesh
50	0126CS151052	MADEEHA MASOOD	Madeeha	Madeeha	Madeeha	Madeeha	Madeeha
51	0126CS151053	MANDVI CHOUHAN	A	MC	MC	MC	A
52	0126CS151054	MANISH BHARGAVA	Manish	A	Manish	A	Manish
53	0126CS151056	MANISH KUMAR	Manish	A	Manish	Manish	Manish
54	0126CS151057	MANISH KUMARJHA	A	Manish	Manish	Manish	A
55	0126CS151058	MAYANK SINGH	mayank	A	mayank	A	Mayank
56	0126CS151059	MEGHA KUMARI	A	Mkumari	A	Mkumari	Mkumari
57	0126CS151060	MOHD AHMED KHAN	A	MA	MA	MA	A
58	0126CS151061	MOHD SAEED KHAN	A	A	A	A	A
59	0126CS151062	MOHD SHERIFF MEHMOOD	A	Meliff	Meliff	Meliff	A
60	0126CS151064	NEETA DHOTE	Neeta	A	Neeta	A	Neeta
61	0126CS151065	NEHA SANGWAN	A	Neha	Neha	Neha	Neha
62	0126CS151066	NIDHI CHATURVEDI	Nidhi	Nidhi	Nidhi	Nidhi	A
63	0126CS151067	NISHIT RACHARYA	nishit	A	nishit	A	nishit
64	0126CS151068	NOORAS ASLAM	A	Nor	Nor	Nor	Nor
65	0126CS151069	NOORJAHAN KHATOON	Nkatoon	Nkatoon	A	Nkatoon	Nkatoon
66	0126CS151070	PARNIKA VYAS	Parnika	A	Parnika	A	Parnika
67	0126CS151072	PARUL PARDHI	A	Parul	Parul	Parul	A
68	0126CS151073	PIYUSH KUMAR	Piyush	Piyush	Piyush	Piyush	A
69	0126CS151074	POOJA KASHYAP	Pooja	A	Pooja	A	Pooja
70	0126CS151075	PRACHI SONARE	A	Prachi	Prachi	Prachi	Pooja
71	0126CS151076	PRANALI PAWAR	Pranali	Pranali	Pranali	A	A
72	0126CS151077	PRANALI DHANNA	A	Pranali	Pranali	A	A
73	0126CS151078	PRATEEK SHUKLA	Prateek	A	Prateek	A	Prateek
74	0126CS151079	PRANVIK KUMAR SINGH	Pratik	A	Pratik	Pratik	A



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75	0126CS151080	PRIYADARSHANI	Priya	Priya	Priya	Priya	A
76	0126CS151081	PRIYAL JAIN	Priyal	1	Priyal	1	Priyal
77	0126CS151082	PRIYAL MAHESHWARI	A	Priyal	Priyal	Priyal	A
78	0126CS151083	PUNEET PARVE	Puneet	A	Puneet	Puneet	A
79	0126CS151084	PURVI MISHRA	Purvi	A	Purvi	A	Purvi
80	0126CS151085	RAHUL JHANTANI	A	Rahul	Rahul	Rahul	A
81	0126CS151086	RAHUL KUMAR	Rahul	A	Rahul	A	Rahul
82	0126CS151087	RAHUL KUMAR	A	A	A	A	A
83	0126CS151088	RAMJI SHRIVASTAVA	Ramji	A	Ramji	A	Ramji
84	0126CS151089	RISHABH SHUKLA	Rishabh	Rishabh	A	Rishabh	A
85	0126CS151090	RITIK RATHORE	Ritik	A	Ritik	A	Ritik
86	0126CS151091	RITVIKA BHADORIA	A	Ritvik	Ritvik	Ritvik	A
87	0126CS151092	RIYA SHRIVASTAV	Riya	Riya	A	Riya	A
88	0126CS151093	ROHIT KUMAR	Rohit	A	Rohit	A	Rohit

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89	0126C5151094	SAGI AHMED	Sadi	A	Sadi	A	Sadi
90	0126C5151095	SAGORI GUPTA	Sagori	A	Sagori	A	Sagori
91	0126C5151096	SAGAR SHRESTHA	Sagar	A	Sagar	A	Sagar
92	0126C5151097	SARSHI MURARI	Sarkshi	A	Sarkshi	A	Sarkshi
93	0126C5151098	SARATHI SHA PRADIP	Sarathi	A	Sarathi	A	Sarathi
94	0126C5151099	SARATHI SHI TEJARI	Sarathi	A	Sarathi	A	Sarathi
95	0126C5151100	SANGITA MAHARAJ	Sangita	A	Sangita	A	Sangita
96	0126C5151101	SARITA KALUJI	Sarita	A	Sarita	A	Sarita
97	0126C5151102	SHASHANK	Shashank	A	Shashank	A	Shashank
98	0126C5151103	SHATAPATHI PANDAY	Shatpathi	A	Shatpathi	A	Shatpathi
99	0126C5151104	SHRISH KUMAR PANDAY	Shrisha	A	Shrisha	A	Shrisha
100	0126C5151105	SHIVANI KUMAR	Shivani	A	Shivani	A	Shivani
101	0126C5151106	SHREYASH SONI	Shreyash	A	Shreyash	A	Shreyash
102	0126C5151107	SHUBHAM BHARADWAJ	Shubham	A	Shubham	A	Shubham
103	0126C5151108	SHUBHAM SAMU	Shubham	A	Shubham	A	Shubham
104	0126C5151109	SHUBHANSHU GUPTA	Shubhanshu	A	Shubhanshu	A	Shubhanshu
105	0126C5151110	SIDDHI BALAPATEL	Siddhi	A	Siddhi	A	Siddhi
106	0126C5151111	SOMYA SHIRA	Somya	A	Somya	A	Somya
107	0126C5151112	SONAL ANAND	Sonal	A	Sonal	A	Sonal
108	0126C5151113	SOUBH SINGH	Soubh	A	Soubh	A	Soubh
109	0126C5151114	SRISHI SHARMA	Srishti	A	Srishti	A	Srishti
110	0126C5151115	SRISHI SHASTRI	Srishti	A	Srishti	A	Srishti
111	0126C5151116	SURBHI GUPTA	Surbhi	A	Surbhi	A	Surbhi
112	0126C5151117	SWAPNIL GOYAL	Swapnil	A	Swapnil	A	Swapnil
113	0126C5151118	URJA UDAYSHANKAR	Urja	A	Urja	A	Urja
114	0126C5151119	VAIBHAV KHADELWAL	Vaibhav	A	Vaibhav	A	Vaibhav
115	0126C5151120	VAIBHAV OHWARI	Vaibhav	A	Vaibhav	A	Vaibhav
116	0126C5151121	VAIBHAV WAJHAL	Vaibhav	A	Vaibhav	A	Vaibhav
117	0126C5151122	VISHVAKAR YADAV	Vishvakar	A	Vishvakar	A	Vishvakar
118	0126C5151123	VIVEK KUMAR VAISHNAV	Vivek	A	Vivek	A	Vivek
119	0126C5151124	YASH BHAYRE	Yash	A	Yash	A	Yash
120	0126C5151125	YASH HARKHEDE	Yash	A	Yash	A	Yash
121	0126C5151126	YASH SHREYASTAVA	Yash	A	Yash	A	Yash
122	0532C5151020	YOGITA SHAMI	Yogita	A	Yogita	A	Yogita
123	0545C5151075	YASHVINI BARASKAR	Yashvini	A	Yashvini	A	Yashvini



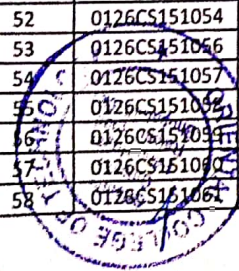
Director
Oriental College of Technology
Thakral Nagar, Gazon Road
Bhopal

Signature
Date: 16/2/2020

Oriental College of Technology, Bhopal
Computer Science & Engineering Department
Value Added Course: Machine Learning , 17-21 Sept 2018
Course Code: CSE 40001

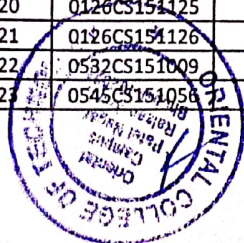
ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126CS151001	AAKASH SHUKLA	41	32	73	Eligible
2	0126CS151002	AAYUSH MALAIYA	34	40	74	Eligible
3	0126CS151003	ABHISHEK ANAND	35	40	75	Eligible
4	0126CS151004	ABHISHEK DWIVEDI	36	40	76	Eligible
5	0126CS151005	ADITI AGRAWAL	41	34	75	Eligible
6	0126CS151006	ADITI SHARMA	45	44	89	Eligible
7	0126CS151007	AFZA ANSARI	34	40	74	Eligible
8	0126CS151008	AJAY RAWAT	30	30	60	Eligible
9	0126CS151009	AKSHAY CHOUREY	35	35	70	Eligible
10	0126CS151010	ALOK KUMARPANDEY	42	40	82	Eligible
11	0126CS151011	AMAN DULHANI	38	40	78	Eligible
12	0126CS151012	AMBIKA SINGH	37	40	77	Eligible
13	0126CS151013	ANANYA PRAKASH	34	45	79	Eligible
14	0126CS151014	ANANYA SHIVHARE	45	44	89	Eligible
15	0126CS151015	ANIKET SHUKLA	45	44	89	Eligible
16	0126CS151016	ANISH SUNDARANI	35	40	75	Eligible
17	0126CS151017	ANKIT LANJEWAR	30	30	60	Eligible
18	0126CS151018	ANKIT KESHARI	35	35	70	Eligible
19	0126CS151019	ANKIT SINGH	42	40	82	Eligible
20	0126CS151020	APURV RANJAN	45	44	89	Eligible
21	0126CS151021	ARPIT JAIN	A	A	0	Not Eligible
22	0126CS151022	ARUN KUMARRAI	45	44	89	Eligible
23	0126CS151024	ASHISH TIWARI	A	A	0	Not Eligible
24	0126CS151025	AVINASH SHARMA	43	44	87	Eligible
25	0126CS151026	AVNEESH TIWARI	A	A	0	Not Eligible
26	0126CS151027	BHOOMIKA MALVIYA	38	40	78	Eligible
27	0126CS151028	CHANDRA BHUSHANKUMAR	37	40	77	Eligible
28	0126CS151029	CHETNA BHALROY	45	44	89	Eligible
29	0126CS151030	CHIRAYU RAHANGDALE	A	A	0	Not Eligible
30	0126CS151031	DEEPA GUPTA	38	40	78	Eligible
31	0126CS151032	DEVASHISH SHRIVASTAVA	37	40	77	Eligible
32	0126CS151033	DEVIK NAYAK	42	44	86	Eligible
33	0126CS151034	DHARMENDRA LODHI	A	A	0	Not Eligible
34	0126CS151035	DIKSHA SAWARN	44	44	88	Eligible
35	0126CS151036	DIPANSHEE NAKADE	35	40	75	Eligible
36	0126CS151037	DIVYA BAJPAI	30	30	60	Eligible
37	0126CS151038	DIVYANSH PODDAR	35	35	70	Eligible
38	0126CS151039	GARIMA GANGRADE	42	40	82	Eligible
39	0126CS151040	GAUTAM NARAYAN	A	A	0	Not Eligible
40	0126CS151041	HARSH RAJAN	35	35	70	Eligible
41	0126CS151042	HEMADRI TEMBHARE	42	40	82	Eligible
42	0126CS151044	HITALI SHRIVASTAVA	38	40	78	Eligible
43	0126CS151045	JATIN UDIWAL	37	40	77	Eligible
44	0126CS151046	JAYA GOUR	35	45	80	Eligible
45	0126CS151047	JYOTSNA TIWARI	45	44	89	Eligible
46	0126CS151048	KHUSHBOO SONONE	32	40	72	Eligible
47	0126CS151049	KOMAL SHRESTHA	30	30	60	Eligible
48	0126CS151050	KUMAR ALOK	32	35	67	Eligible
49	0126CS151051	LOKESH JAIN	42	40	82	Eligible
50	0126CS151052	MADEEHA MASOOD	38	40	78	Eligible
51	0126CS151053	MANDVI CHOUHAN	37	40	77	Eligible
52	0126CS151054	MANISH BHARGAVA	35	45	80	Eligible
53	0126CS151056	MANISH KUMAR	45	44	89	Eligible
54	0126CS151057	MANISH KUMARJHA	38	40	78	Eligible
55	0126CS151058	MAYANK SINGH	37	40	77	Eligible
56	0126CS151059	MEGHA KUMAR	38	40	78	Eligible
57	0126CS151060	MOHD AHMED KHAN	37	40	77	Eligible
58	0126CS151061	MOHD SAEED KHAN	A	A	0	Not Eligible



Oriental College of Technology, Bhopal
Computer Science & Engineering Department

59	0126CS151062	MOHD SHERIFF MEHMOOD	35	35	70	Eligible
60	0126CS151064	NEETA DHOTE	42	40	82	Eligible
61	0126CS151065	NEHA SANGWAN	38	40	78	Eligible
62	0126CS151066	NIDHI CHATURVEDI	37	40	77	Eligible
63	0126CS151067	NISHIT RACHARYA	35	45	80	Eligible
64	0126CS151068	NOORAS ASLAM	45	44	89	Eligible
65	0126CS151069	NOORJAHAN KHATOON	35	40	75	Eligible
66	0126CS151070	PARNIKA VYAS	30	30	60	Eligible
67	0126CS151072	PARUL PARDHI	354	35	389	Eligible
68	0126CS151073	PIYUSH KUMAR	42	40	82	Eligible
69	0126CS151074	POOJA KASHYAP	33	40	73	Eligible
70	0126CS151075	PRACHI SONARE	37	40	77	Eligible
71	0126CS151076	PRANALI PAWAR	35	45	80	Eligible
72	0126CS151077	PRANJALI DHANNA	44	44	88	Eligible
73	0126CS151078	PRATEEK SHUKLA	43	44	87	Eligible
74	0126CS151079	PRATIK KUMAR SINGH	35	40	75	Eligible
75	0126CS151080	PRIYADARSHANI	30	30	60	Eligible
76	0126CS151081	PRIYAL JAIN	32	35	67	Eligible
77	0126CS151082	PRIYAL MAHESHWARI	42	40	82	Eligible
78	0126CS151083	PUNEET PARVE	38	40	78	Eligible
79	0126CS151084	PURVI MISHRA	37	40	77	Eligible
80	0126CS151085	RAHUL JHAMTANI	38	40	78	Eligible
81	0126CS151086	RAHUL KUMAR	37	40	77	Eligible
82	0126CS151087	RAHUL KUMAR	A	A	0	Not Eligible
83	0126CS151088	RAMJI SHRIVASTAVA	34	35	69	Eligible
84	0126CS151089	RISHABH SHUKLA	40	40	80	Eligible
85	0126CS151090	RITIK RATHORE	38	40	78	Eligible
86	0126CS151091	RITVIKA BHADORIA	37	40	77	Eligible
87	0126CS151092	RIYA SHRIVASTAV	35	45	80	Eligible
88	0126CS151093	ROHIT KUMAR	42	44	86	Eligible
89	0126CS151094	SAAD AHMED	35	40	75	Eligible
90	0126CS151095	SACHIN GUPTA	30	30	60	Eligible
91	0126CS151096	SAGAR SHRIVASTAVA	35	35	70	Eligible
92	0126CS151097	SAKSHI AGRAWAL	42	40	82	Eligible
93	0126CS151098	SAMEEKSHA DWIVEDI	38	40	78	Eligible
94	0126CS151099	SAMRIDDI TIWARI	35	40	75	Eligible
95	0126CS151100	SANGEETA MANDAL	35	45	80	Eligible
96	0126CS151101	SHAISTA KALIMI	42	44	86	Eligible
97	0126CS151102	SHASHANK	35	45	80	Eligible
98	0126CS151103	SHATAKSHI PANDEY	A	A	0	Not Eligible
99	0126CS151104	SHIRISH KUMAR PANDEY	45	44	89	Eligible
100	0126CS151105	SHIVANGI NIGAM	35	35	70	Eligible
101	0126CS151106	SHREYASH SONI	42	40	82	Eligible
102	0126CS151107	SHUBHAM BHARADWAJ	38	40	78	Eligible
103	0126CS151108	SHUBHAM SAHU	37	40	77	Eligible
104	0126CS151109	SHUBHANSHU GUPTA	35	45	80	Eligible
105	0126CS151110	SIDDHI BALAPATEL	44	44	88	Eligible
106	0126CS151111	SOMYA SINHA	35	40	75	Eligible
107	0126CS151112	SONAL ANAND	30	30	60	Eligible
108	0126CS151113	SOURABH SINGH	35	35	70	Eligible
109	0126CS151114	SRISHTI SHARMA	42	40	82	Eligible
110	0126CS151115	SRISHTI SHASTRI	38	40	78	Eligible
111	0126CS151116	SURBHI GUPTA	37	40	77	Eligible
112	0126CS151117	SWAPNIL GOYAL	35	45	80	Eligible
113	0126CS151118	URJA UDAYSHANKAR	45	44	89	Eligible
114	0126CS151119	VAIBHAV KHANDELWAL	35	45	80	Eligible
115	0126CS151120	VAIBHAV ONKARI	A	A	0	Not Eligible
116	0126CS151121	VAIBHAV WAJHAL	34	40	74	Eligible
117	0126CS151122	VISHWARAJ YADAV	37	40	77	Eligible
118	0126CS151123	VIVEK KUMAR VAISHNAV	A	A	0	Not Eligible
119	0126CS151124	YASH BHAYRE	35	45	80	Eligible
120	0126CS151125	YASH NARKHEDE	A	A	0	Not Eligible
121	0126CS151126	YASH SHRIVASTAVA	A	A	0	Not Eligible
122	0532CS151009	YOGITA SIHANI	36	40	76	Eligible
123	0545CS151058	YASHVINI BARASKAR	34	40	74	Eligible



Original 36/6/2021
 Thakral Nagar, Raision Road
 Bhopal

Computer Science & Engineering
 Oriental College of Technology, Bhopal

Feedback Form

<i>Value Added Course</i>	Machine Learning (CSE 40001)
<i>Date:</i>	17-21 Sep 2018
<i>Program Location:</i>	CSE Dept Oriental College of Technology, Bhopal
<i>Presenter(s):</i>	Mr. Pradeep Mishra

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree

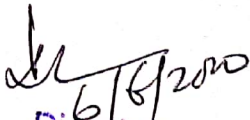
3= Agree

2= Disagree

1= Strongly Disagree

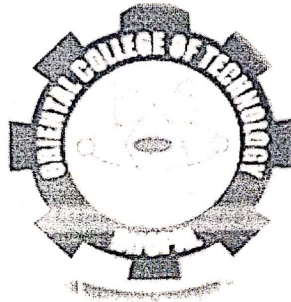
1. The Course objectives were stated clearly and met.	4 3 2 1
2. The Course was well organized.	4 3 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 3 2 1
6. The materials provided were sufficient & appropriate for the program.	4 3 2 1
7. The physical arrangements were adequate.	4 3 2 1




 Director
 Oriental College of Technology
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 Bhopal

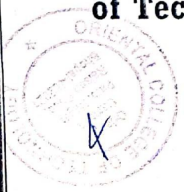
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Department of Computer Science & Engineering

This is to certify that Mr./Ms. **AAKASH SHUKLA** of CS-VII Sem , OCT, Bhopal, has Successfully Completed the "Certificate" on "Machine Learning" during 17-21 Sept 2018, organized by Computer Science and Engineering Department of Oriental College of Technology, Bhopal



Bhadana

Co-Ordinator, CS, OCT

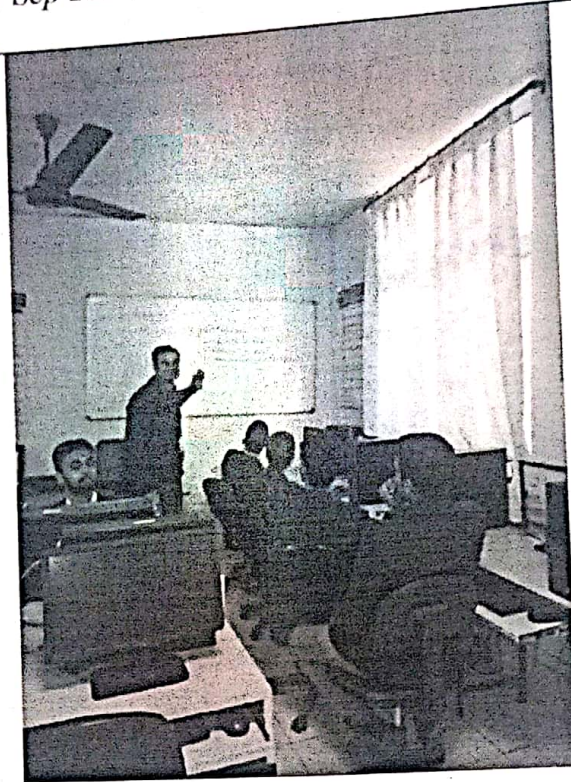
[Signature]
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Head of Department, CS OCT

R. Akhane

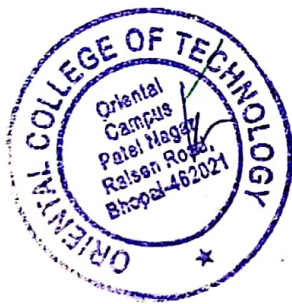
Director, OCT

Value Added Course	Machine Learning (CSE 40001)
Date:	17-21 Sep 2018



[Handwritten Signature]

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal





ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on Value Added Course on "Machine Learning"

Date and Time: 17-21, September, 2018

Organized by: CSE, OCT, Bhopal

Name of the Speakers: Mr. Pradeep Mishra Associate Professor, Mr. Saurabh Jain, Associate Professor, and Ms Bhavna Gupta Assistant Professor.

Participants Details: For IV -Year Students

Venue: CSE, OCT Campus

Summary of the Event

Computer Science Engineering plays prominent role in every domain and vital role in development of Nation. "Machine Learning" is a Value-Added course which will focus on providing vast knowledge on data, algorithms and automation of the systems.

The Department of Computer Science and Engineering Oriental College of Technology organized "Value Added Course on "Machine Learning" from 17 September 2018 to 21 September, 2018 for the students of Fourth year.

This Course syllabus was covered by Mr. Pradeep Mishra Associate Professor, Mr. Saurabh Jain Associate Professor and Ms Bhavna Gupta Assistant Professor, CSE, OCT in 30 Hrs. of 5-Day program.

Inaugural Ceremony started by Director Speech on 17 th September, 2018 and this course is conducted as per schedule and on 21 st September, 2018 valedictory function was conducted.

Bhavna

Prof. Bhavna Gupta

Course Coordinator

CSE, OCT



Confirmed by
[Signature]

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.

Carill Amru
17/06/14
Director, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT



dia
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

dia
9/6/20

Registration Form

Name:.....
 Enrollment No.....
 Branch:.....
 Semester:.....
 Address.....

 City & Pin.....
 E-mail id.....
 Contact No:.....

Place:
 Signature
 Date:
 Signature with Seal
 Head of the Department



CHIEF PATRONS

Dr. K. L. Thakral
 Founder Chairman, Oriental Group of Institutes and
 Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
 Chairman, Oriental Group of Institutes
 Mrs. Niraj Ghei
 Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
 Director, OCT, Bhopal

CONVENOR

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 octhodit@oriental.ac.in
 Mobile: +919827042079

COURSE COORDINATOR

Mr Imran Khan
 Mobile: +917987787253
 Miss. Ruchi Jain
 Mobile: +919827612431

ORGANISING COMMITTEE MEMBERS

Mr. Nilabh Kumar
 Miss. Ruchi Jain

CONTACT

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Miss. Ruchi Jain
 Mobile: +919827612431

**Oriental College of Technology,
 Bhopal**



Value Added Course

OR

"Machine Learning"

[22-26, October, 2018]

For IV-Year Students

Organized By

Department of Information Technology

Oriental College of Technology,
 Thakral Nagar, Raisan Road, Bhopal - 462021
 Phone: 0755-2529471, 0755-2529472

Head of Department
 Information Technology
 Oriental College of Technology

Director
 Oriental College of Technology
 Thakral Nagar, Raisan Road, Bhopal

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal-Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc.

Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Information Technology is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the

Department is in the area of Software Engineering, Database Management Systems, Data Structures etc.

The Information Technology Department offers Undergraduate Program (B.E/ B.Tech) with an intake 120 Students.

ABOUT THE COURSE

Information Technology department plays prominent role in every domain and vital role in development of Nation. MACHINE LEARNING is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

Machine Learning is a widely used programming language expressly designed for use in the distributed environment of the internet. ... Machine Learning can be used to create complete applications that may run on a single computer or be distributed among servers and clients in a network.

ELIGIBILITY

The Fourth year Students of Information Technology branch are eligible to attend the Course on MACHINE LEARNING

REGISTRATION

No Registration fees.

SPEAKERS

Mr. Nileebh Kumar

[Assistant Professor, Oriental College of Technology, Bhopal]

Mr. Imran Khan

[Assistant Professor, Oriental College of Technology, Bhopal]

&

Miss. Ruchi Jain
[Assistant Professor, Oriental College of Technology, Bhopal]



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Oriental College of Technology, Bhopal

Department of Information Technology

Syllabus of Value Added Course on

Machine Learning

Module -1

- Data Science, AI & ML
- Use Cases in Business and Scope
- Scientific Method & Modeling Concepts
- CRISP-DM Method

Module -2

- Commands and Syntax
- Packages and Libraries
- Introduction to Data Types
- Data Structures in R - Vectors, Matrices, Arrays, Lists, Factors, Data Frames
- Importing and Exporting Data.
- Control structures and Functions

Module-3

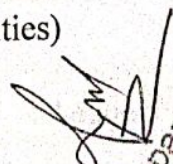
- Data exploration (histograms, bar chart, box plot, line graph, scatter plot)
- Qualitative and Quantitative Data & Measure of Central Tendency (Mean, Median and Mode),
- Measure of Positions (Quartiles, Deciles, Percentiles and Quantiles),
- Measure of Dispersion (Range, Median, Absolute deviation about median, Variance and Standard deviation), Anscombe's quartet
- Other Measures: Quartile and Percentile, Interquartile Range

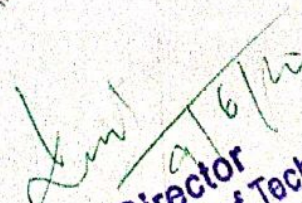
Module-4

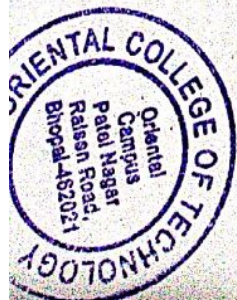
- Relationship between attributes: Covariance, Correlation Coefficient, Chi Square
- Measure of Distribution (Skewness and Kurtosis),
- Box and Whisker Plot (Box Plot and its parts, Using Box Plots to compare distribution) and other statistical graphs

Module -5

- Probability (Joint, marginal and conditional probabilities)
- Probability distributions (Continuous and Discrete)
- Density Functions and Cumulative functions


Head of Department
Information Technology
Oriental College of Technology, Bhopal


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



SCHEDULE**5 Days Value Added Course on Machine Learning [22-Oct-2018 To 26-Oct-2018]****22Oct 2018**

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to Data Science and AI and ML	Mr Nilabh Kumar
12:30-1:10PM	LUNCH	
01:10-3:10PM	Use Case in Business and Scope	Mr Nilabh Kumar
3:10 -3:30PM	Break	
03:30-5:30PM	CRISP -DM Method	Mr Nilabh Kumar

23Oct 2018

Time	Session	Teacher
9:00-11:00AM	Commands and Syntax	Mr Nilabh Kumar
11:00-11:30AM	Break	
11:30-01:00PM	Packages and Library, Introduction to Data types, Data Structures	Mr Nilabh Kumar
01:00-1:40PM	LUNCH	
01:40-4:30PM	Importing and Exporting Data , Control Structures and Functions	Mr Nilabh Kumar

24Oct 2018

Time	Session	Teacher
9:00-11:00AM	Data Exploration (Histograms , Bar Chart etc)	Mr Nilabh Kumar
11:00-11:30AM	Break	
11:30-01:00PM	Qualitative and Quantitative data , Measure of positions	Mr Nilabh Kumar
01:00-1:40PM	LUNCH	
01:40-4:30PM	Measure of Dispersion and other Measure	Mr Nilabh Kumar

25 Oct 2018

Time	Session	Teacher
9:00-11:00AM	Relationship between attributes: Covariance etc	Miss Ruchi Jain
11:00-11:30AM	Break	
11:30-01:00PM	Measure of Distributions, Box and Whisker Plot	Mr Imran Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Class Room Assessment	Miss Ruchi Jain

26Oct 2018

Time	Session	Teacher
9:00-11:00AM	Probability (Joint, Marginal and conditional Probabilities)	Miss Ruchi Jain
11:00-11:30AM	Break	
11:30-01:00PM	Probability Distribution	Miss Ruchi Jain
01:00-1:40PM	LUNCH	
01:40-2:30PM	Density Functions and Cumulative Functions.	Miss Ruchi Jain
2:30-3:30PM	Objective test	Miss Ruchi Jain
3:30-4:30 PM	Valedictory & Certificate distribution	Miss Ruchi Jain



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Objective type test on Machine Learning		Dated 26-Oct-2018
Branch:	Information Technology	
Semester:	VII Semester	
Subject:	Value added course on Machine Learning	Subject Code: IT 40001
Note	All questions are compulsory	

Max Marks 50

1. Which of the following is a widely used and effective machine learning algorithm based on the idea of bagging?

- a. Decision Tree
- b. Regression
- c. Classification
- d. Random Forest - answer

2. To find the minimum or the maximum of a function, we set the gradient to zero because:

- a. The value of the gradient at extrema of a function is always zero - answer
- b. Depends on the type of problem
- c. Both A and B
- d. None of the above

3. The most widely used metrics and tools to assess a classification model are:

- a. Confusion matrix
- b. Cost-sensitive accuracy
- c. Area under the ROC curve
- d. All of the above - answer

4. Which of the following is a good test dataset characteristic?

- a. Large enough to yield meaningful results
- b. Is representative of the dataset as a whole
- c. Both A and B - answer
- d. None of the above

5. Which of the following is a disadvantage of decision trees?

- a. Factor analysis
- b. Decision trees are robust to outliers
- c. Decision trees are prone to be overfit - answer
- d. None of the above

6. How do you handle missing or corrupted data in a dataset?

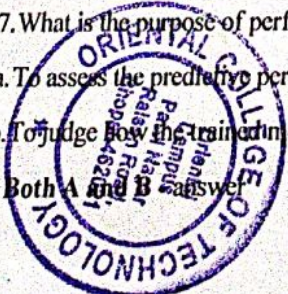
- a. Drop missing rows or columns
- b. Replace missing values with mean/median/mode
- c. Assign a unique category to missing values
- d. All of the above - answer

7. What is the purpose of performing cross-validation?

- a. To assess the predictive performance of the models
- b. To judge how the trained model performs outside the sample on test data
- c. Both A and B - answer

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8. Why is second order differencing in time series needed?
- To remove stationarity
 - To find the maxima or minima at the local point
 - Both A and B - answer
 - None of the above
9. When performing regression or classification, which of the following is the correct way to preprocess the data?
- Normalize the data → PCA → training - answer
 - PCA → normalize PCA output → training
 - Normalize the data → PCA → normalize PCA output → training
 - None of the above
10. Which of the following is an example of feature extraction?
- Constructing bag of words vector from an email
 - Applying PCA projects to a large high-dimensional data
 - Removing stopwords in a sentence
 - All of the above - answer
11. What is `pca.components_` in Sklearn?
- Set of all eigen vectors for the projection space - answer
 - Matrix of principal components
 - Result of the multiplication matrix
 - None of the above options
12. Which of the following is true about Naive Bayes ?
- Assumes that all the features in a dataset are equally important
 - Assumes that all the features in a dataset are independent
 - Both A and B - answer
 - None of the above options
13. Which of the following statements about regularization is not correct?
- Using too large a value of lambda can cause your hypothesis to underfit the data.
 - Using too large a value of lambda can cause your hypothesis to overfit the data.
 - Using a very large value of lambda cannot hurt the performance of your hypothesis.
 - None of the above - answer
14. How can you prevent a clustering algorithm from getting stuck in bad local optima?
- Set the same seed value for each run
 - Use multiple random initializations - answer
 - Both A and B
 - None of the above
15. Which of the following techniques can be used for normalization in text mining?
- Stemming
 - Lemmatization
 - Stop Word Removal
 - Both A and B - answer
16. In which of the following cases will K-means clustering fail to give good results? 1) Data points with outliers 2) Data points with different densities 3) Data points with nonconvex shapes

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- a. 1 and 2
- b. 2 and 3
- c. 1, 2, and 3 - answer
- d. 1 and 3

17. Which of the following is a reasonable way to select the number of principal components "k"?

- a. Choose k to be the smallest value so that at least 99% of the variance is retained. - answer
- b. Choose k to be 99% of m ($k = 0.99 * m$, rounded to the nearest integer).
- c. Choose k to be the largest value so that 99% of the variance is retained.
- d. Use the elbow method

18. You run gradient descent for 15 iterations with $\alpha = 0.3$ and compute $J(\theta)$ after each iteration. You find that the value of $J(\theta)$ decreases quickly and then levels off. Based on this, which of the following conclusions seems most plausible?

- a. Rather than using the current value of α , use a larger value of α (say $\alpha = 1.0$)
- b. Rather than using the current value of α , use a smaller value of α (say $\alpha = 0.1$)
- c. $\alpha = 0.3$ is an effective choice of learning rate - answer
- d. None of the above

19. What is a sentence parser typically used for?

- a. It is used to parse sentences to check if they are utf-8 compliant.
- b. It is used to parse sentences to derive their most likely syntax tree structures. - answer
- c. It is used to parse sentences to assign POS tags to all tokens.
- d. It is used to check if sentences can be parsed into meaningful tokens.

20. Suppose you have trained a logistic regression classifier and it outputs a new example x with a prediction $h_0(x) = 0.2$. This means

- a. Our estimate for $P(y=1 | x)$
- b. Our estimate for $P(y=0 | x)$ - answer
- c. Our estimate for $P(y=1 | x)$
- d. Our estimate for $P(y=0 | x)$

21. What is a top-down parser?

- a) Begins by hypothesizing a sentence (the symbol S) and successively predicting lower level constituents until individual preterminal symbols are written
- b) Begins by hypothesizing a sentence (the symbol S) and successively predicting upper level constituents until individual preterminal symbols are written
- c) Begins by hypothesizing lower level constituents and successively predicting a sentence (the symbol S)
- d) Begins by hypothesizing upper level constituents and successively predicting a sentence (the symbol S)

22. Among the following which is not a horn clause?

- a) p
- b) $\emptyset p \vee q$
- c) $p \rightarrow q$
- d) $p \rightarrow \emptyset q$

23. The action 'STACK(A, B)' of a robot arm specify to _____

- a) Place block B on Block A
- b) Place blocks A, B on the table in that order
- c) Place blocks B, A on the table in that order
- d) Place block A on block B

24. Which of the following can be used to create sub-samples using a maximum dissimilarity approach?

- A. minDissim
- B. maxDissim
- C. inmaxDissim
- D. All of the Mentioned

25. Which of the following can be used to impute data sets based only on information in the training set.?

- A. postProcess
- B. preProcess
- C. both
- D. All of the mentioned



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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: Machine Learning

Course Code: IT 40001

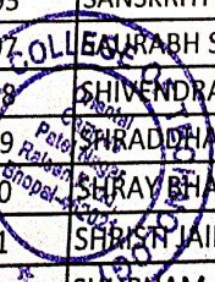
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Session July-dec 2018


SEM: 7 SEM

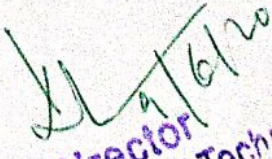
SNo	Enrollment No	Student Name	22-Oct-18	23-Oct-18	24-Oct-18	25-Oct-18	26-Oct-18
1	0126IT151001	AASHISH AMAN KHATRI	Akshat	Akshat	Akshat	Akshat	Akshat
2	0126IT151004	ABHISHEK TILATIYA	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
3	0126IT151005	ABHITANSHU SINGH BAGHEL	Abhit	Abhit	Abhit	Abhit	Abhit
4	0126IT151006	AKANSHA BICHU	Akash	Akash	Akash	Akash	Akash
5	0126IT151007	AKASH NIGAM	Akash	Akash	Akash	Akash	Akash
6	0126IT151008	ALOK SHARMA	Alok	Alok	Alok	Alok	Alok
7	0126IT151009	AMAN PANDEY	A	A	A	A	A
8	0126IT151010	AMANDEEP KUMAR	Amandeep	Amandeep	Amandeep	Amandeep	Amandeep
9	0126IT151011	AMITESH SINHA	Amitesh	Amitesh	Amitesh	Amitesh	Amitesh
10	0126IT151012	AMOL SRIVASTAVA	Amol S.	Amol S.	Amol S.	Amol S.	Amol S.
11	0126IT151013	ANISHA JAY	Anisha	Anisha	Anisha	Anisha	Anisha
12	0126IT151015	ANKIT TIWARI	Ankit Tiwari	Ankit Tiwari	Ankit Tiwari	Ankit Tiwari	Ankit Tiwari
13	0126IT151016	ANKITA ANAND	A	A	A	A	A
14	0126IT151017	ANKITA JAIN	Ajain	Ajain	Ajain	Ajain	Ajain
15	0126IT151018	ANSHIKA MISHRA	Anshika	Anshika	Anshika	Anshika	Anshika
16	0126IT151019	ANSHU KUMAR	A.Kumar	A.Kumar	A.Kumar	A.Kumar	A.Kumar
17	0126IT151021	ANUBHA JAIN	Anubha	Anubha	Anubha	Anubha	Anubha
18	0126IT151022	ANUPAM MALVIYA	Anupam	Anupam	Anupam	Anupam	Anupam
19	0126IT151023	ANUPAM MISHRA	A	A	A	A	A
20	0126IT151024	ANURAG KUMAR	Anurag	Anurag	Anurag	Anurag	Anurag
21	0126IT151025	ANUSHA GUPTA	Anusha Gupta	Anusha Gupta	Anusha Gupta	Anusha Gupta	Anusha Gupta
22	0126IT151027	APURVA SHARMA	A	Apurva	Apurva	A	Apurva
23	0126IT151028	ARPITA AGARWAL	Arpita	Arpita	Arpita	Arpita	Arpita
24	0126IT151029	AYUSH RAIKWAR	A	A	A	A	A
25	0126IT151030	AYUSHI MANI TRIPATHI	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
26	0126IT151031	AYUSHI NEMA	Anema	Anema	Anema	Anema	Anema
27	0126IT151032	AYUSHI SHRIVASTAVA	A.Shrivastava	A.Shrivastava	A.Shrivastava	A.Shrivastava	A.Shrivastava
28	0126IT151033	AYUSHI SINGH	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
29	0126IT151034	BHARAT MAHESHWARI	Bharat	Bharat	Bharat	Bharat	Bharat
30	0126IT151035	BHAVNA GURUDEV	A	A	A	A	A
31	0126IT151036	BHOLA KUMAR	Bhola Kumar	Bhola Kumar	Bhola Kumar	Bhola Kumar	Bhola Kumar
32	0126IT151037	CHITRANSH VYAS	Chitransh	Chitransh	Chitransh	Chitransh	Chitransh
33	0126IT151038	DIKSHA SINGH	Diksha Singh	Diksha Singh	Diksha Singh	Diksha Singh	Diksha Singh
34	0126IT151039	DIPANJAN SINHA	Dipanjansingh	Dipanjansingh	Dipanjansingh	Dipanjansingh	Dipanjansingh
35	0126IT151041	HARSHITA SHARMA	Harshita	Harshita	Harshita	Harshita	Harshita
36	0126IT151042	HEMA KUMARI	Hema	Hema	Hema	Hema	Hema
37	0126IT151043	JYOTI RIJHWANI	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
38	0126IT151044	KANCHAN KUMARI	Kanchan	A	Kanchan	Kanchan	Kanchan
39	0126IT151045	KARTIK KHARE	Khare	Khare	Khare	Khare	Khare
40	0126IT151046	KARTIK SHUKLA	Kartik Shukla	Kartik Shukla	Kartik Shukla	Kartik Shukla	Kartik Shukla
41	0126IT151047	KUNAL UPVEJA	Kunal	Kunal	Kunal	Kunal	Kunal
42	0126IT151048	KUNIKA JAIN	Kunikajain	Kunikajain	Kunikajain	Kunikajain	Kunikajain
43	0126IT151049	LAKSH MEHTA	Laksh Mehta	A	Laksh Mehta	Laksh Mehta	Laksh Mehta
44	0126IT151050	MANISH BODKHE	Manish	Manish	Manish	Manish	Manish

0126IT151051	MANISH KUMAR MEHTA	Manish	Manish	Manish	Manish	Manish
0126IT151052	MANISH MATWANI	Manish	Manish	Manish	Manish	Manish
0126IT151053	MAYANK KHARE	A	Mayank	Mayank	Mayank	Mayank
0126IT151054	MAYURI NEGI	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
0126IT151055	MINAKSHI SINGH	Minakshi	Minakshi	Minakshi	Minakshi	Minakshi
0126IT151056	MOHAMMAD DANISH	Md. danish	Md. danish	Md. danish	Md. danish	Md. danish
0126IT151057	MOHD. JIBRAN KHAN	Jibrankhan	Jibrankhan	Jibrankhan	Jibrankhan	Jibrankhan
0126IT151058	NANDAN KUMAR	NK	NK	NK	NK	NK
0126IT151059	NAVIN KUMAR SINGH	Navin	Navin	Navin	Navin	Navin
0126IT151060	NEHA GUPTA	Neha	Neha	Neha	Neha	Neha
0126IT151061	NIKHIL KUMAR	Nikhil	Nikhil	Nikhil	Nikhil	A
0126IT151062	NISHANT KUMAR SINGH	Singh	Singh	Singh	Singh	Singh
0126IT151063	NISHID RANJAN	Nishid	Nishid	Nishid	Nishid	Nishid
0126IT151064	PARAS BANGDE	Paras..	Paras..	Paras..	Paras..	Paras..
0126IT151065	PAWAN KUMAR CHATURVEDI	Pawan Chaturvedi	Pawan Chaturvedi	Pawan Chaturvedi	Pawan Chaturvedi	Pawan Chaturvedi
0126IT151067	PRAKASH KUMAR	Prakash	Prakash	Prakash	Prakash	Prakash
0126IT151067	PRAKASH KUMAR					
0126IT151068	PRASHANT JAIN	Prashant	Prashant	Prashant	Prashant	Prashant
0126IT151069	PRATEEK DUBEY	Prateek	Prateek	Prateek	Prateek	Prateek
0126IT151070	PRATEEK NAGESH	Prateek	Prateek	Prateek	Prateek	Prateek
0126IT151071	PRATEEKSHA SINGH	Prateeksha	Prateeksha	Prateeksha	Prateeksha	Prateeksha
0126IT151072	PRATEEKSHA SINGH					
0126IT151073	PRATIBHA GUPTA	Pratibha	Pratibha	Pratibha	Pratibha	Pratibha
0126IT151074	PRIYA CHETRI	Priya	Priya	Priya	Priya	Priya
0126IT151075	PRIYAL JAIN	Priyal Jain	Priyal Jain	Priyal Jain	Priyal Jain	Priyal Jain
0126IT151076	PUSHRAJ SINGH BHATI	P. Singh	P. Singh	P. Singh	P. Singh	P. Singh
0126IT151077	RAJ ROUSHAN	Raj	A	A	Raj	Raj
0126IT151078	RAJAT SAHAGAL	A	Rajat	Rajat	Rajat	A
0126IT151080	RAJNI SINGH THAKUR	Rathakur	Rathakur	Rathakur	Rathakur	Rathakur
0126IT151081	RAKHI AGARWAL	Rakhi..	Rakhi..	Rakhi..	Rakhi..	Rakhi..
0126IT151082	RAUNAK AGRAWAL	A	A	A	A	A
0126IT151083	RAVI BHATIA	A	A	A	A	A
0126IT151084	RAVI SHRIVASTAVA	Ravi	Ravi	Ravi	Ravi	Ravi
0126IT151085	RISHABH KUMAR	R	R	R	R	R
0126IT151086	RIYA SAXENA	Riya	Riya	Riya	Riya	Riya
0126IT151087	ROSHANI	Roshini	Roshini	Roshini	Roshini	Roshini
0126IT151088	ROSHINI PILLAI	Pillai	Pillai	Pillai	Pillai	Pillai
0126IT151089	RUCHITA SONKUSARE	Ruchita	Ruchita	Ruchita	Ruchita	Ruchita
0126IT151090	RUDRAM GUPTA	Rudram	Rudram	Rudram	Rudram	Rudram
0126IT151091	SAGAR SINGH	Sagar	Sagar	Sagar	Sagar	Sagar
0126IT151092	SAJAL SHRIVASTAVA	A	A	A	A	A
0126IT151093	SAKSHI PARE	Sakshi Pare	Sakshi Pare	Sakshi Pare	Sakshi Pare	Sakshi Pare
0126IT151094	SANJNA GUHA	Sanja	Sanja	Sanja	Sanja	Sanja
0126IT151095	SANSKRITI JAIN	Sanskriti	Sanskriti	Sanskriti	Sanskriti	Sanskriti
0126IT151097	SARABH SINGH TOMAR	Sarabh	Sarabh	Sarabh	Sarabh	Sarabh
0126IT151098	SHIVENDRA SINGH	Shivendra	Shivendra	Shivendra	Shivendra	Shivendra
0126IT151099	SHRADDHA JAIN	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha
0126IT151100	SHRAY BHATIA	A	Shray Bhatia	Shray Bhatia	A	Shray
0126IT151101	SHRISTI JAIN	Shristi	Shristi	Shristi	Shristi	Shristi
0126IT151102	SHUBHAM	Shubham	Shubha	Shubha	Shubha	Shubha



		Shubha	Sheela	Shubha	Shubha	Shubha
0126IT151103	SHUBHAM AGRAWAL	Shubha	Sheela	Shubha	Shubha	Shubha
0126IT151104	SHUBHANSHU RAWAT	Beven	Rawat	Beven	Beven	Beven
0126IT151105	SHUBHI AGARWAL	Surbhi	Surbhi	Surbhi	Surbhi	Surbhi
98 0126IT151106	SIDDHARTH DAGLIYA	Sid.	Sid.	Sid.	Sid.	Sid.
99 0126IT151107	SIMMI AGRAWAL	Simmi	Simmi	Simmi	Simmi	Simmi
100 0126IT151108	SONALI JAIN	Sonali	Sonali	Sonali	Sonali	Sonali
101 0126IT151109	SONALI KUMARI	A	A	A	A	A
102 0126IT151110	SUBHANSHU ARYA	A	A	A	A	A
103 0126IT151111	SUPRIYA KUMARI	Supriya Kumari	Supriya Kumari	Supriya Kumari	Supriya Kumari	Supriya Kumari
104 0126IT151112	SWAMAN GANGWAL	Swangwal	Swangwal	Swangwal	Swangwal	Swangwal
105 0126IT151113	SWATI SINHA	Swati	Swati	Swati	Swati	Swati
106 0126IT151114	TANUJ PUSHPDHA	A	A	A	A	A
107 0126IT151115	UNNATI PANDEY	Unnati	Unnati	Unnati	Unnati	Unnati
108 0126IT151116	UTKARSH KHARD	Uk	Uk	Uk	Uk	Uk
109 0126IT151117	UZMA SALEEM KHAN	Uzma	Uzma	Uzma	Uzma	Uzma
110 0126IT151118	VAIBHAW KUMAR OJHA	Vaibhaw	Vaibhaw	Vaibhaw	Vaibhaw	Vaibhaw
111 0126IT151119	VASUDHA KUCHIYA	Vasudha	Vasudha	Vasudha	Vasudha	Vasudha
112 0126IT151120	VIKASH KUMAR	Vikas	Vikas	Vikas	Vikas	Vikas
113 0126IT151121	VINEET KUMAR	Vineet	Vineet	Vineet	Vineet	Vineet
114 0126IT151122	VISHWANATH KUMAR	Vishwanath	Vishwanath	Vishwanath	Vishwanath	Vishwanath
115 0126IT151123	VITHIKA SINGH	Vithika	Vithika	Vithika	Vithika	Vithika
116 0126IT151124	VIVEK UPADHYAY	Vpadhyay	Vpadhyay	Vpadhyay	Vpadhyay	Vpadhyay
117 0126IT151125	YASH JAIN	Yash	Yash	Yash	Yash	Yash
118 0126IT151126	YOGESHI RAJPUT	Yogeshi	Yogeshi	Yogeshi	Yogeshi	Yogeshi
119 0126IT141041	HARSH SRIVASTAVA	A	A	A	A	A


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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: Machine Learning

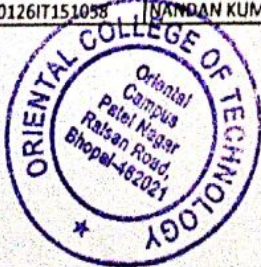
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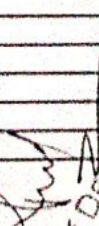
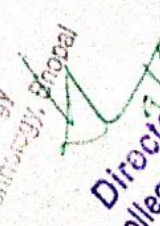
ATTENDANCE SHEET

SEM: 7 SEM

Session July-dec 2018

SNo	Enrollment No	Student Name	Class Room Assessment	Objective Type	Total	Eligible or Not eligible
			50	50	100	
1	0126IT151001	AASHISH AMAN KHATRI	31	33	64	ELIGIBLE
2	0126IT151004	ABHISHEK TILATIYA	32	47	79	ELIGIBLE
3	0126IT151005	ABHITANSHU SINGH BAGHEL	48	35	83	ELIGIBLE
4	0126IT151006	AKANSHA BICHU	34	28	62	ELIGIBLE
5	0126IT151007	AKASH NIGAM	40	30	70	ELIGIBLE
6	0126IT151008	ALOK SHARMA	48	27	75	ELIGIBLE
7	0126IT151009	AMAN PANDEY	0	0	0	NOT ELIGIBLE
8	0126IT151010	AMANDEEP KUMAR	26	30	56	ELIGIBLE
9	0126IT151011	AMITESH SINHA	22	26	48	NOT ELIGIBLE
10	0126IT151012	AMOL SRIVASTAVA	39	33	72	ELIGIBLE
11	0126IT151013	ANISHA JAY	35	44	79	ELIGIBLE
12	0126IT151015	ANKIT TIWARI	42	30	72	ELIGIBLE
13	0126IT151016	ANKITA ANAND	11	30	41	NOT ELIGIBLE
14	0126IT151017	ANKITA JAIN	45	43	88	ELIGIBLE
15	0126IT151018	ANSHIKA MISHRA	49	31	80	ELIGIBLE
16	0126IT151019	ANSHU KUMAR	41	27	68	ELIGIBLE
17	0126IT151021	ANUBHA JAIN	36	10	46	NOT ELIGIBLE
18	0126IT151022	ANUPAM MALVIYA	26	26	52	ELIGIBLE
19	0126IT151023	ANUPAM MISHRA	47	26	73	ELIGIBLE
20	0126IT151024	ANURAG KUMAR	47	28	75	ELIGIBLE
21	0126IT151025	ANUSHA GUPTA	32	44	76	ELIGIBLE
22	0126IT151027	APURVA SHARMA	31	12	43	NOT ELIGIBLE
23	0126IT151028	ARPITA AGARWAL	42	45	87	ELIGIBLE
24	0126IT151029	AYUSH RAIKWAR	45	35	80	ELIGIBLE
25	0126IT151030	AYUSHI MANI TRIPATHI	49	26	75	ELIGIBLE
26	0126IT151031	AYUSHI NEMA	38	33	71	ELIGIBLE
27	0126IT151032	AYUSHI SHRIVASTAVA	34	46	80	ELIGIBLE
28	0126IT151033	AYUSHI SINGH	31	27	58	ELIGIBLE
29	0126IT151034	BHARAT MAHESHWARI	42	39	81	ELIGIBLE
30	0126IT151035	BHAVNA GURUDEV	0	0	0	NOT ELIGIBLE
31	0126IT151036	BHOLA KUMAR	41	31	72	ELIGIBLE
32	0126IT151037	CHITRANSH VYAS	49	49	98	ELIGIBLE
33	0126IT151038	DIKSHA SINGH	32	40	72	ELIGIBLE
34	0126IT151039	DIPANJAN SINHA	38	26	64	ELIGIBLE
35	0126IT151041	HARSHITA SHARMA	44	32	76	ELIGIBLE
36	0126IT151042	HEMA KUMARI	41	47	88	ELIGIBLE
37	0126IT151043	JYOTI RIJHWANI	44	26	70	ELIGIBLE
38	0126IT151044	KANCHAN KUMARI	40	0	40	NOT ELIGIBLE
39	0126IT151045	KARTIK KHARE	37	37	74	ELIGIBLE
40	0126IT151046	KARTIK SHUKLA	48	29	77	ELIGIBLE
41	0126IT151047	KUNAL UPVEJA	27	34	61	ELIGIBLE
42	0126IT151048	KUNIKA JAIN	40	29	69	ELIGIBLE
43	0126IT151049	LAKSH MEHTA	30	0	30	NOT ELIGIBLE
44	0126IT151050	MANISH BODKHE	36	38	74	ELIGIBLE
45	0126IT151051	MANISH KUMAR MEHTA	41	41	82	ELIGIBLE
46	0126IT151052	MANISH MATWANI	46	40	86	ELIGIBLE
47	0126IT151053	MAYANK KHARE	44	37	81	ELIGIBLE
48	0126IT151054	MAYURI NEGI	32	43	75	ELIGIBLE
49	0126IT151055	MINAKSHI SINGH	48	33	81	ELIGIBLE
50	0126IT151056	MOHAMMAD DANISH	40	42	82	ELIGIBLE
51	0126IT151057	MOHD.JIBRAN KHAN	48	35	83	ELIGIBLE
52	0126IT151058	NANDAN KUMAR	32	45	77	ELIGIBLE

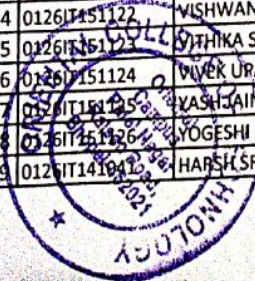



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53	0126IT151059	NAVIN KUMAR SINGH	38	30	68	ELIGIBLE
54	0126IT151060	NEHA GUPTA	41	30	71	ELIGIBLE
55	0126IT151061	NIKHIL KUMAR	38	40	78	ELIGIBLE
56	0126IT151062	NISHANT KUMAR SINGH	40	42	82	ELIGIBLE
57	0126IT151063	NISHID RANJAN	32	35	67	ELIGIBLE
58	0126IT151064	PARAS BANGDE	35	36	71	ELIGIBLE
59	0126IT151065	PAWAN KUMAR CHATURVEDI	32	33	65	ELIGIBLE
60	0126IT151067	PRAKASH KUMAR	38	32	70	ELIGIBLE
61	0126IT151067	PRAKASH KUMAR	39	28	67	ELIGIBLE
62	0126IT151068	PRASHANT JAIN	45	49	94	ELIGIBLE
63	0126IT151069	PRATEEK DUBEY	47	41	88	ELIGIBLE
64	0126IT151070	PRATEEK NAGESH	20	26	46	NOT ELIGIBLE
65	0126IT151071	PRATEEKSHA SINGH	47	41	88	ELIGIBLE
66	0126IT151072	PRATEEKSHA SINGH	33	49	82	ELIGIBLE
67	0126IT151073	PRATIBHA GUPTA	34	42	76	ELIGIBLE
68	0126IT151074	PRIYA CHETRI	46	47	93	ELIGIBLE
69	0126IT151075	PRIYAL JAIN	20	28	48	NOT ELIGIBLE
70	0126IT151076	PUSHRAJ SINGH BHATI	34	36	70	ELIGIBLE
71	0126IT151077	RAJ ROUSHAN	26	32	58	ELIGIBLE
72	0126IT151078	RAJAT SAHAGAL	20	45	65	ELIGIBLE
73	0126IT151080	RAJNI SINGH THAKUR	33	40	73	ELIGIBLE
74	0126IT151081	RAKHI AGARWAL	45	46	91	ELIGIBLE
75	0126IT151082	RAUNAK AGRAWAL	36	30	66	ELIGIBLE
76	0126IT151083	RAVI BHATIA	0	0	0	NOT ELIGIBLE
77	0126IT151084	RAVI SHRIVASTAVA	43	29	72	ELIGIBLE
78	0126IT151085	RISHABH KUMAR	30	43	73	ELIGIBLE
79	0126IT151086	RIYA SAXENA	27	44	71	ELIGIBLE
80	0126IT151087	ROSHANI	42	39	81	ELIGIBLE
81	0126IT151088	ROSHINI PILLAI	48	31	79	ELIGIBLE
82	0126IT151089	RUCHITA SONKUSARE	37	37	74	ELIGIBLE
83	0126IT151090	RUDRAM GUPTA	28	35	63	ELIGIBLE
84	0126IT151091	SAGAR SINGH	49	49	98	ELIGIBLE
85	0126IT151092	SAJAL SHRIVASTAVA	0	0	0	NOT ELIGIBLE
86	0126IT151093	SAKSHI PARE	37	39	76	ELIGIBLE
87	0126IT151094	SANJNA GUHA	36	28	64	ELIGIBLE
88	0126IT151095	SANSKRITI JAIN	34	41	75	ELIGIBLE
89	0126IT151097	SAURABH SINGH TOMAR	46	28	74	ELIGIBLE
90	0126IT151098	SHIVENDRA SINGH	22	27	49	NOT ELIGIBLE
91	0126IT151099	SHRADDHA JAIN	31	46	77	ELIGIBLE
92	0126IT151100	SHRAY BHATIA	35	28	63	ELIGIBLE
93	0126IT151101	SHRISTI JAIN	38	34	72	ELIGIBLE
94	0126IT151102	SHUBHAM	41	30	71	ELIGIBLE
95	0126IT151103	SHUBHAM AGRAWAL	26	26	52	ELIGIBLE
96	0126IT151104	SHUBHANSHU RAWAT	37	31	68	ELIGIBLE
97	0126IT151105	SHUBHI AGARWAL	32	27	59	ELIGIBLE
98	0126IT151106	SIDDHARTH DAGLIYA	26	46	72	ELIGIBLE
99	0126IT151107	SIMMI AGRAWAL	48	36	84	ELIGIBLE
100	0126IT151108	SONALI JAIN	31	39	70	ELIGIBLE
101	0126IT151109	SONALI KUMARI	0	0	0	NOT ELIGIBLE
102	0126IT151110	SUBHANSHU ARYA	0	0	0	NOT ELIGIBLE
103	0126IT151111	SUPRIYA KUMARI	44	37	81	ELIGIBLE
104	0126IT151112	SWAMAN GANGWAL	44	28	72	ELIGIBLE
105	0126IT151113	SWATI SINHA	43	48	91	ELIGIBLE
106	0126IT151114	TANUJ PUSHPDHA	26	13	39	NOT ELIGIBLE
107	0126IT151115	TANUJ PUSHPDHA	41	45	86	ELIGIBLE
108	0126IT151116	UNNATI PANDEY	40	35	75	ELIGIBLE
109	0126IT151117	UTKARSH KHARD	45	47	92	ELIGIBLE
110	0126IT151118	UZMA SALEEM KHAN	36	46	82	ELIGIBLE
111	0126IT151119	VAIBHAW KUMAR OJHA	45	44	89	ELIGIBLE
112	0126IT151120	VASUDHA KUCHIYA	37	42	79	ELIGIBLE
113	0126IT151121	VIKASH KUMAR	37	43	87	ELIGIBLE
114	0126IT151122	VINEET KUMAR	20	26	46	NOT ELIGIBLE
115	0126IT151123	VISHWANATH KUMAR	31	35	66	ELIGIBLE
116	0126IT151124	VITHIKA SINGH	34	35	69	ELIGIBLE
117	0126IT151125	VIVEK URADHYAY	45	44	89	ELIGIBLE
118	0126IT151126	VYASH JAIN	35	32	67	ELIGIBLE
119	0126IT151127	YOGESHI RAJPUT	0	0	0	NOT ELIGIBLE
120	0126IT151128	HARSH SRIVASTAVA	0	0	0	NOT ELIGIBLE

9/6/20
 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal

Head of Department
 Information Technology
 Oriental College of Technology, Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]

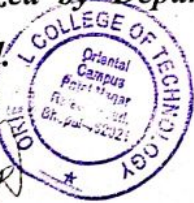


DEPARTMENT OF INFORMATION TECHNOLOGY

Session: 2018-19

CERTIFICATE

This is to certify that Mr./Ms Priyal Jain of IT VII Semester, OCT, Bhopal, has Successfully Completed the "Value Added Course" on "Machine Learning" during 22-26 OCT 2018, organized by Department of Information Technology, Oriental College of Technology, Bhopal.



Co-Ordinator, IT, OCT

Head of Department, IT, OCT

Head of Department,
Information Technology,
Oriental College of Technology, Bhopal

Director, OCT

Director,
Oriental College of Technology,
Chakral Nagar, Raisen Road,
Bhopal

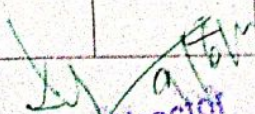
Course Evaluation/ Feedback Form


Value Added Course	Machine Learning
Special course	
Duration	22 To 26 October 2018
Venue	Oriental College of Technology, Bhopal
Presenter(s):	Mr Nilabh Kumar, Miss Ruchi Jain , Mr Imran Khan

Please respond to the following statements by using the ✓ mark to indicate the extent to which you agree or disagree with each statement.

Content	Excellent	Very Good	Good	Fair	Poor
The course as a whole was:	✓				
The course content was:		✓			
The instructor's contribution to the course was:	✓				
The instructor's effectiveness in teaching the subject matter was:		✓			
Course Organization was:	✓				
Clarity of instructor's voice was:		✓			
Explanations by instructor were:			✓		
Instructor's use of examples and illustrations was:	✓				
Quality of questions or problems raised by the instructor was:			✓		
Student's confidence in instructor's knowledge was:	✓				
Instructor's enthusiasm was:		✓			
Encouragement given to students to participate was:			✓		
Answers to student questions were:			✓		
Availability of extra help when needed was:	✓				
Use of class time was:			✓		
Instructor's interest in student's progress was:	✓				
Amount you learned was:			✓		
Clarity of student requirements was:			✓		
Intellectual challenge was:			✓		




Director
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Head of Department
 Information Technology
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Report on Value Added Course on Machine Learning

Date and Time: 22 October , to 26 October, 2018. **Venue:** Department of Information Technology ,OCT Campus, Bhopal. **Organized by:** Information Technology Department, OCT , Bhopal. **Name of the Speakers:** The speakers were from Department of Information Technology OCT , Bhopal they are Mr Nilabh Kumar ,Miss Ruchi jain .**Participants Details:** The students participated were Fourth Year Students

Summary of the Event

The value added courses adds value to the basic ongoing degree program. The students get an insight into the technological advancements and the recent trends that are prevailing in the outside world which gives an added benefit to the placement and gives added advantages to the employment opportunities of the students

The course is divided into five modules and at the end there was an assessment by which the students are awarded certificates.

On October 22, the course started with the inaugural and presidential speech of Director, Oriental College of Technology. In his presidential speech emphasized on the need to collaborate the academic and the non academic education.

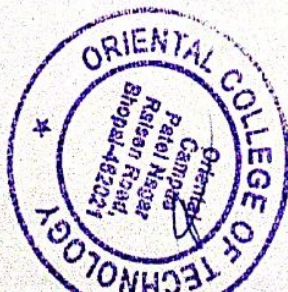
The course was conducted strictly according to the schedule and at last the convener of the course

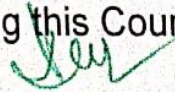
gave away the vote of thank.. At the end the convener thanked all the faculties, office sta and student volunteers for their unconditional support in organizing this Course.

Prof. Roopali Soni

Course Convenor

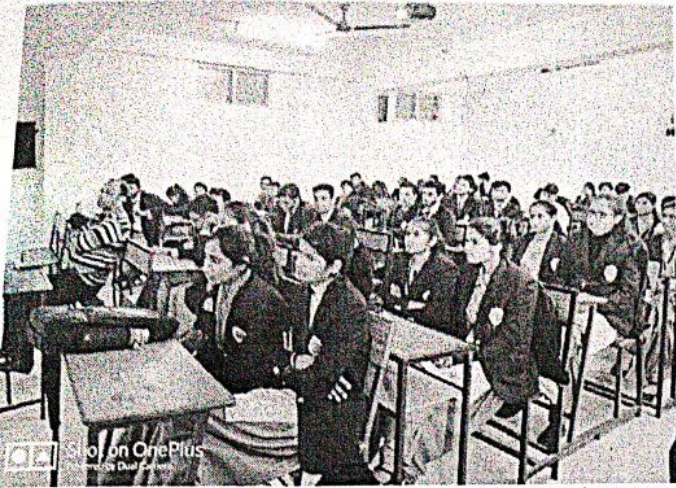
IT, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Value Added Course on Machine Learning

22 October , to 26 October, 2018



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Bhopal





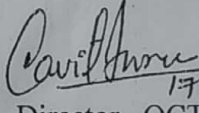
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.



17/06/14
Director, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

Mr. Arvind Sahu
oathodec@oriental.ac.in
Mobile: +919826944301

COURSE COORDINATOR

Mr. Abhigyanam Giri
Mobile: 7566601006
Mr. Amish Jha
Mobile: +919098715184

ORGANISING COMMITTEE MEMBERS

Mr. Amish Jha
Mr. Kapil Gupta

CONTACT

Mr. Arvind Sahu
oathodec@oriental.ac.in
Mobile: +919826944301
Mr. Amish Jha
Mobile: +919098715184

**Oriental College of Technology,
Bhopal**



Value Added Course

on

“APPLICATIONS OF IoT”

[24-28, September, 2018]

For IV -Year Students

In Association with



Organised By

Department of Electronics & Communication
Engineering

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College of Technology,

Thakral Nagar, Raisen Road, Bhopal – 462021
Phone: 2529026, 2529057, Fax: 0755-2529472

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address.....

City & Pin.....

E-mail id.....

Contact No:.....

Place:

Signature

Date:

Arvind

Signature with Seal
Head of the Department



ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal- Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc. Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Electronics & Communication is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the Department is in the area of VLSI, Arduino & Embedded System.



The EC Department offers M.Tech Course in Electronics along with Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Electronics & Communication Engineering plays prominent role in every domain. "APPLICATIONS OF IOT" is Value Added course through which participants to know latest technologies. Internet of Things is a new revolution of the Internet. A world where the real, digital and the virtual are converging to create smart environments that make energy, transport, cities and many other areas more intelligent. A device become a smart device is called IOT.

OBJECTIVES & CONTENTS

Internet of Things offers advanced connectivity of devices, systems, and services that goes beyond machine-to-machine communications and covers a variety of protocols, domains, and applications.

- ✓ Introduction to the Internet of Things
- ✓ IOT architecture
- ✓ IOT Protocol
- ✓ Detail of IOT Simulator
- ✓ Open Source Platform for IOT

ELIGIBILITY

The Fourth year Students of Electronics & Communication Engineering branch is eligible to attend the "APPLICATIONS OF IOT" course.

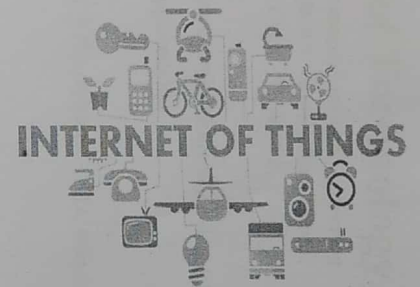
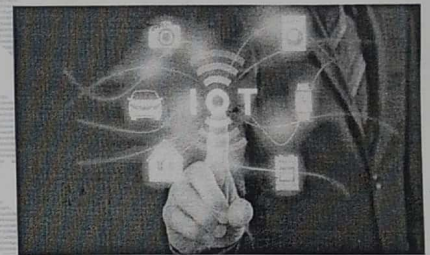
REGISTRATION

- ✓ No Registration fees.

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

INVITED SPEAKERS

Mr. Abhigyanam Giri
Director, Ind Eyes Pvt. Ltd. Bhopal



Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

Oriental College of Technology, Bhopal

Electronics & Communication Engineering

Value Added Course: Applications of IoT

Course Code: EC 40001

Module 1: What is IOT, architecture of network, architecture of device, what is embedded system, why we use embedded system in IOT, IOT applications.

Module 2: Basic electronic components of IOT, resistors, LED, transistors, capacitors, diode, zener diode, relay, switch.

Module 3: What is Arduino and ESP8266, History of ESP8266 and Arduino, Software and Hardware description, comparison between ESP8266 and Arduino, programming software.

Module 4: Glow LED, Different patterns of LED, Pull up and pull down condition of switch, LED by switch, LED by two switch, Hello printing on LCD, Different name pattern on LCD.

Module 5: Wireless Protocols (SPI, USART, I2C, Modbus, UART), Networking Protocols (OSI Reference Model, Ethernet, TCP/IP,).

Module 6: RF Module, GSM Module, LAN Module, Bluetooth module, Wi-Fi Module.

Module 7 : Project: IOT based Weather Reporting System

Use: It allows the people to directly check the weather stats online without the need of a weather forecasting agency. System uses temperature, humidity as well as rain sensor to monitor weather and provide live reporting of the weather statistics. The system constantly monitors temperature using temperature sensor, humidity using humidity sensor and also for rain.

Components required:

Hardware: Atmega Microcontroller, DHT11 Digital Temperature Humidity Sensor, Rain Drop Sensor, ESP8266 Wifi Module, LCD Display, Crystal Oscillator, Resistors, Capacitors, Transistors, Cables and Connectors, Diodes, PCB and Breadboards, LED, Transformer/Adapter, Push Buttons, Switch, IC Sockets,

Software Specifications: Arduino Compiler, MC Programming Language



Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

Director
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Patel Nagar, Raipur Road
Bhopal

SCHEDULE

5 Days Value Added Course on Applications of IoT [24-Sep-2018 To 28-Sep-2018]

24 Sep 2018		
Time	Session	Teacher
9:30-10:00 AM	Inauguration	Mr. Abhigyanam
10:00 AM-12:30PM	Introduction to IoT	Mr. Amish Jha
12:30-1:10PM	LUNCH	
01:10-3:10PM	Introduction to Embedded system	Mr. Amish Jha
3:10 -3:30PM	Break	
03:30-5:30PM	IOT applications	Mr. Kapil Gupta
25 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Basic electronic components of IOT	Mr. Abhigyanam
11:00-11:30AM	Break	
11:30-01:00PM	What is Arduino and ESP8266	Mr. Amish Jha
01:00-1:40PM	LUNCH	
01:40-4:30PM	comparison between ESP8266 and Arduino	Mr. Kapil Gupta
26 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Different name pattern on LCD	Mr. Abhigyanam
11:00-11:30AM	Break	
11:30-01:00PM	Wireless Protocols (SPI, USART, I2C, Modbus, UART)	Mr. Abhigyanam
01:00-1:40PM	LUNCH	
01:40-4:30PM	RF Module, GSM Module	Mr. Amish Jha
27 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Introduction to IOT based Weather Reporting System	Mr. Amish Jha
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Abhigyanam
01:00-1:40PM	LUNCH	
01:40-4:30PM	Components Required	Mr. Abhigyanam
28 Sep 2018		
Time	Session	Teacher
9:00-11:00AM	Designing of IOT based Weather Reporting System	Mr. Abhigyanam
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Abhigyanam
01:00-2:00PM	LUNCH	
2:00-3:30PM	Testing of Project	Mr. Amish Jha
3:30-4:30PM	Feedback from students	Mr. Kapil Gupta
4:30-5:30 PM	Valedictory & Certificate distribution	Mr. Abhigyanam



(Signature)
Director

**Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal**

(Signature)
Head of Department
Electronics & Communication Engineering
24/9/2018

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Value Added course on Applications of IoT
Objective Test, Date 24-28th Sep 2018

Branch :	Electronics & Communication Engineering	
Semester:	7 th	Max. Marks-50 Minimum Marks:25
Subject:	Applications of IoT	Subject Code: EC 40001 Time :1:30 Hrs
Note	1. The question from 1 to 10 is of 1 mark each. 2. The question from 11 to 30 is of 2 marks each.	

1. Machine learning is
 - a. The selective acquisition of knowledge through the use of manual programs
 - b. The autonomous acquisition of knowledge through the use of manual programs
 - c. The selective acquisition of knowledge through the use of computer programs
 - d. The autonomous acquisition of knowledge through the use of computer programs
2. HTTP resources are located by
 - a. unique resource locator
 - b. unique resource identifier
 - c. none of the mentioned
 - d. uniform resource identifier
3. What is the TCP name for a transport service access point
 - a. none of the mentioned
 - b. node
 - c. pipe
 - d. port
4. A Denial of Service attack is:
 - a. Connection flooding
 - b. Bandwidth flooding
 - c. All of the mentioned
 - d. Vulnerability attack
5. A packet sniffer is
 - a. Active receiver
 - b. Both of the mentioned
 - c. Passive receiver
 - d. None of the mentioned
6. IPSec provides security at:
 - a. Physical Layer
 - b. Network Layer
 - c. Transport Layer
 - d. Session Layer
7. WPA is a security mechanism in
 - a. WiFi
 - b. Cloud
 - c. Bluetooth
 - d. Ethernet
8. Network topology with a central hub or switch is
 - a. Mesh
 - b. Token ring
 - c. Star
 - d. Token bus
9. Internet domain name and hostname are translated into IP address by
 - a. Domain name system
 - b. Domain name database
 - c. Router
 - d. Domain information system
10. Which protocol allows user at one site to establish connection to another site and pass keystroke from local to remote host:
 - a. Telnet
 - b. FTP
 - c. IP
 - d. HTTP
11. How many times setup function runs in Arduino IDE:
 - a. None of the above
 - b. 10
 - c. 2
 - d. 1



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12. How many times loop function runs in Arduino IDE:

- a. 4
- b. forever
- c. 1
- d. 5

13. What error occurs when you execute?
 $x = abc$

- a. NameError
- b. SyntaxError
- c. ValueError
- d. TypeError

14. PWM stands for:

- a. None of the above
- b. Pulse Width Mode
- c. Pulse With Modulation
- d. Pulse Width Modulation

15. Raspbian is:

- a. Assembler
- b. Language
- c. Compiler
- d. OS

16. CGI stands for:

- a. Common Gateway Interest
- b. Common Gateway Interrupt
- c. Common Gate Interference
- d. Common Gateway Interface

17. MQTT is:

- a.
- b. Based on client-server architecture
- c. Based on publish-subscribe architecture
- d. Based on both of the above
- e. Based on none of the above

18. What is the access point (AP) in wireless LAN?

- a. none of the mentioned
- b. wireless devices itself
- c. both (a) and (b)
- d. device that allows wireless devices to connect to a wired network

19. In wireless ad-hoc network

- a. none of the mentioned
- b. access point is not required
- c. nodes are not required
- d. access point is must

20. Which multiple access technique is used by IEEE 802.11 standard for wireless LAN?

- a. ALOHA
- b. CSMA/CA
- c. CDMA
- d. none of the mentioned

21. Which is the correct operator for power(x^y)?

- a. x^y
- b. $x^{^y}$
- c. x^{**y}
- d. None of the mentioned

22. What is WPA?

- a. wi-fi protected access
- b. wired process access
- c. wired protected access
- d. wi-fi process access

23. The answer of $2+3L$ is:

- a. 5.0
- b. 5L
- c. 5
- d. Error

24. An interconnected collection of piconet is called

- a. micronet
- b. scatternet
- c. mininet
- d. none of the mentioned

25. In a piconet, there can be up to _____ parked nodes in the net.

- a. 511
- b. 63
- c. 255
- d. 127

26. Secure shell (SSH) network protocol is used for

- a. remote command-line login



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- b. remote command execution
- c. all of the mentioned
- d. secure data communication

27. The network layer concerns with

- a. bits
- b. frames
- c. none of the mentioned
- d. packets

28. Ethernet frame consists of

- a. none of the mentioned
- b. IP address
- c. both (a) and (b)

- d. MAC address
- e.

29. What is internet?

- a. interconnection of local area networks
- b. a vast collection of different networks
- c. a single network
- d. none of the mentioned

30. DNS database contains

- a. hostname aliases
- b. hostname-to-address records
- c. all of the mentioned
- d. name server records

Class Room Assessment

Q: Describe the IOT based weather reporting system with the help of circuit diagram and block diagram. Design the circuit using Printed circuit board.

=====



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Applications of IoT

Course Code : EC- 40001

24-28 Sep - 2018

Students Attendance Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	September - 2018				
			24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
1	0126EC151001	AADESH GAIKWAD	Adesh	Adesh	Adesh	Adesh	Adesh
2	0126EC151002	AASHISH KUMAR SINGH	Aksingh	Aksingh	Aksingh	Aksingh	Aksingh
3	0126EC151003	ABHINAV DHARMADHIKARI	ABS.	ABS	ABS	ABS	ABS.
4	0126EC151004	AISHRAJ LALWANI	ABS	ABS	ABS	ABS	ABS
5	0126EC151009	ANKIT KUMAR SRIVASTAVA	Zshivas	Zshivas	Zshivas	Zshivas	Zshivas
6	0126EC151010	ANKIT RAJ	Ankit	Ankit	Ankit	Ankit	Ankit
7	0126EC151011	ANKIT TIWARI	ABS	ABS	ABS	ABS	ABS
8	0126EC151012	ANSHU DUBEY	Anshu	Anshu	Anshu	Anshu	Anshu
9	0126EC151013	ANUPAMA SINGH	Asingh	Asingh	Asingh	Asingh	Asingh
10	0126EC151014	ANURAG GUPTA	Anurag	Anurag	Anurag	Anurag	Anurag
11	0126EC151016	APOORVA KHARE	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
12	0126EC151017	ARPIT KAUSHAL	Arpit	Arpit	Arpit	Arpit	Arpit
13	0126EC151018	ARYAN SHARMA	Asharma	Asharma	Asharma	Asharma	Asharma
14	0126EC151019	ASHISH PRAKASH	ABS	ABS	ABS	ABS	ABS
15	0126EC151020	ATUL PRASAD GUPTA	Atul	Atul	Atul	Atul	Atul
16	0126EC151021	AVANI AWASTHI	Awasthi	Awasthi	Awasthi	Awasthi	Awasthi
17	0126EC151022	AVNISH RAMAN	Raman	Raman	Raman	Raman	Raman
18	0126EC151023	AYUSH JOSHI	Ashy	Ashy	Ashy	Ashy	Ashy
19	0126EC151024	DARSHANA SINGH	Dsingh	Dsingh	Dsingh	Dsingh	Dsingh
20	0126EC151025	DEEPAK NARSWANI	Deepak	Deepak	Deepak	Deepak	Deepak
21	0126EC151026	DEEPAK KUMAR GUPTA	Deepak	Deepak	Deepak	Deepak	Deepak
22	0126EC151027	DEEPAK SINHA	DS	DS	DS	DS	DS
23	0126EC151028	DEEPANJAL MITRA	Jeepanjali	Jeepanjali	Jeepanjali	Jeepanjali	Jeepanjali
24	0126EC151030	DIVYANSH GUPTA	Divyansh	Divyansh	Divyansh	Divyansh	Divyansh
25	0126EC151032	GAURAV SOHANI	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
26	0126EC151033	GOLU SHIVAM KUMAR	Golu	Golu	Golu	Golu	Golu
27	0126EC151035	HIMANSHU MISHRA	Hmishra	Hmishra	Hmishra	Hmishra	Hmishra
28	0126EC151036	HIMANSHU YADAV	ABS	ABS	ABS	ABS	ABS
29	0126EC151037	INDRAJEET KUMAR	I Kumar	I Kumar	I Kumar	I Kumar	I Kumar
30	0126EC151038	IVA RAJ	Iva	Iva	Iva	Iva	Iva
31	0126EC151039	KARAN KUMAR	Kk	Kk	Kk	Kk	Kk
32	0126EC151040	KASTURI KAUSHIK	Kasturi	Kasturi	Kasturi	Kasturi	Kasturi
33	0126EC151042	KISHAN RAJ	Kraj	Kraj	Kraj	Kraj	Kraj
34	0126EC151043	KUMAR ANKIT	ABS	ABS	ABS	ABS	ABS
35	0126EC151044	KUMAR SHANU	Kshantan	Kshantan	Kshantan	Kshantan	Kshantan
36	0126EC151045	Ms. ABHISHEK	Mabhishek	Mabhishek	Mabhishek	Mabhishek	Mabhishek
37	0126EC151046	MANALI JAIN	Mjain	Mjain	Mjain	Mjain	Mjain
38	0126EC151047	MANDAVI JAIN	Mjain	Mjain	Mjain	Mjain	Mjain
39	0126EC151048	MAYURI UPADHYAY	Majuri	Majuri	Majuri	Majuri	Majuri



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Students Attendance Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	September - 2018				
			24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
40	0126EC151050	NAVEETA JAISWAL	NAVEETA JAISWAL	NAVEETA JAISWAL	NAVEETA JAISWAL	NAVEETA JAISWAL	NAVEETA JAISWAL
41	0126EC151052	NIKET KARAN	Karan	Karan	Karan	Karan	Karan
42	0126EC151053	NIKITA SEN	NS	NS	NS	NS	NS
43	0126EC151054	NITYA RAWAT	Nitya	Nitya	Nitya	Nitya	Nitya
44	0126EC151056	POOJA BAIRAGI	Pooja	Pooja	Pooja	Pooja	Pooja
45	0126EC151057	PRACHI YADAV	Prachi	Prachi	Prachi	Prachi	Prachi
46	0126EC151058	PRAFULL KUMAR PALIWAL	Prafull	Prafull	Prafull	Prafull	Prafull
47	0126EC151060	PRATEEK KUMAR	Prateek	Prateek	Prateek	Prateek	Prateek
48	0126EC151061	PRINCE KUMAR	Prince	Prince	Prince	Prince	Prince
49	0126EC151062	PRIYA	Priya	Priya	Priya	Priya	Priya
50	0126EC151064	PUSHPENDRA SINGH SENGAR	Pengar	Pengar	Pengar	Pengar	Pengar
51	0126EC151065	RAJA SINGH	Singh	Singh	Singh	Singh	Singh
52	0126EC151066	RAJAT CHOUDHARY	Rajat	Rajat	Rajat	Rajat	Rajat
53	0126EC151067	RAJEEV KUMAR MISHRA	Rajeev	Rajeev	Rajeev	Rajeev	Rajeev
54	0126EC151068	RASHEE JAIN	Jain	Jain	Jain	Jain	Jain
55	0126EC151069	RAUSHAN RAJ	Raushan	Raushan	Raushan	Raushan	Raushan
56	0126EC151070	RAVI KANT VERMA	Ravi	Ravi	Ravi	Ravi	Ravi
57	0126EC151071	RAVI SHANKAR	Ravi	Ravi	Ravi	Ravi	Ravi
58	0126EC151072	RAVINDRA.S.PANWAR	Ravindra	Ravindra	Ravindra	Ravindra	Ravindra
59	0126EC151073	REEMA KARAMCHANDANI	Reema	Reema	Reema	Reema	Reema
60	0126EC151074	RIA KHARE	Ria	Ria	Ria	Ria	Ria
61	0126EC151075	RINKY PATEL	Rinky	Rinky	Rinky	Rinky	Rinky
62	0126EC151077	RITIK SHARMA	ABS	ABS	ABS	ABS	ABS
63	0126EC151078	RITIKA SAXENA	Ritika	Ritika	Ritika	Ritika	Ritika
64	0126EC151079	ROMIL AJMERA	Romil	Romil	Romil	Romil	Romil
65	0126EC151081	RUBEENA SHREEN	RS	RS	RS	RS	RS
66	0126EC151082	SACHIN DUBEY	Sachin	Sachin	Sachin	Sachin	Sachin
67	0126EC151083	SAKET KUMAR	Saket	Saket	Saket	Saket	Saket
68	0126EC151084	SAKSHI CHANDRAWANSHI	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
69	0126EC151085	SAKSHI CHATURVEDI	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
70	0126EC151086	SAKSHI KANKANE	SK	SK	SK	SK	SK
71	0126EC151087	SANGHAMITRA GOSWAMI	Sanghamitra	Sanghamitra	Sanghamitra	Sanghamitra	Sanghamitra
72	0126EC151088	SANJEET KUMAR	Sanjeet	Sanjeet	Sanjeet	Sanjeet	Sanjeet
73	0126EC151089	SANKARSHAN MISHRA	Sanjesh	Sanjesh	Sanjesh	Sanjesh	Sanjesh
74	0126EC151090	SANTOSH KUMAR	Santosh	Santosh	Santosh	Santosh	Santosh
75	0126EC151091	SANTOSH RATHOR	Santosh	Santosh	Santosh	Santosh	Santosh
76	0126EC151093	SARANSH JAIN	Stain	Stain	Stain	Stain	Stain
77	0126EC151094	SHAHZAD ALI	Sali	Sali	Sali	Sali	Sali
78	0126EC151095	SHAIFALI SHRIVASTAVA	Shafali	Shafali	Shafali	Shafali	Shafali



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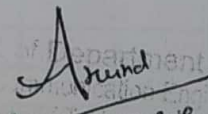
Value Added Course: Applications of IoT

Course Code :EC- 40001

Students Attendance Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	September - 2018				
			24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
79	0126EC151096	SHASHANK MODI	Modi	Modi	Modi	Modi	Modi
80	0126EC151097	SHEEBA NIGAM	Nigam	Nigam	Nigam	Nigam	Nigam
81	0126EC151098	SHIVAM PANDEY	Pandey	Pandey	Pandey	Pandey	Pandey
82	0126EC151099	SHIVAM PANDEY	Pandey	Pandey	Pandey	Pandey	Pandey
83	0126EC151100	SHRISHTI AGRAWAL	Agrawal	Agrawal	Agrawal	Agrawal	Agrawal
84	0126EC151101	SHRISHTI SONI	Soni	Soni	Soni	Soni	Soni
85	0126EC151102	SHRUTI SUMAN	Shruti	Shruti	Shruti	Shruti	Shruti
86	0126EC151103	SHUBHAM SHARMA	Sharma	Sharma	Sharma	Sharma	Sharma
87	0126EC151104	SHUBHAM SUMBHE	Shubham	Shubham	Shubham	Shubham	Shubham
88	0126EC151105	SHYAMLI NIGAM	Nigam	Nigam	Nigam	Nigam	Nigam
89	0126EC151106	SOURABH KUMAR GOUR	Gour	Gour	Gour	Gour	Gour
90	0126EC151107	SUBHAM KISHORE	Kishore	Kishore	Kishore	Kishore	Kishore
91	0126EC151108	SUMIT ANAND	Sumit	Sumit	Sumit	Sumit	Sumit
92	0126EC151109	SUMIT CHOUHAN	Sumit	Sumit	Sumit	Sumit	Sumit
93	0126EC151110	SUNIL KUMAR SAHU	Sahu	Sahu	Sahu	Sahu	Sahu
94	0126EC151112	KUMARI SWASTIKA	Swastika	Swastika	Swastika	Swastika	Swastika
95	0126EC151113	SWATI AGARWAL	Agarwal	Agarwal	Agarwal	Agarwal	Agarwal
96	0126EC151114	SWATI SINGH	Singh	Singh	Singh	Singh	Singh
97	0126EC151115	SYED HIBA ALI	Syed	Syed	Syed	Syed	Syed
98	0126EC151116	TUSHAR BHAVE	Tushar	Tushar	Tushar	Tushar	Tushar
99	0126EC151117	UDISHA GUPTA	Udisha	Udisha	Udisha	Udisha	Udisha
100	0126EC151118	VAISHALI GANGIL	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
101	0126EC151119	VANSHIKA MANWANI	Manwani	Manwani	Manwani	Manwani	Manwani
102	0126EC151120	VARSHA SHUKLA	Varsha	Varsha	Varsha	Varsha	Varsha
103	0126EC151121	VARSHA SONI	V. Soni	V. Soni	V. Soni	V. Soni	V. Soni
104	0126EC151123	VIVEK KUMAR	Vivek	Vivek	Vivek	Vivek	Vivek
105	0126EC151124	YASH DAVE	ABS	ABS	ABS	ABS	ABS
106	0126EC151125	ZOYA KAMAL	Zoya	Zoya	Zoya	Zoya	Zoya




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Students Assessment Sheet , 24-28 Sep -2018

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible for Certificate or not
1	0126EC151001	AADESH GAIKWAD	32	30	62	Yes
2	0126EC151002	AASHISH KUMAR SINGH	28	26	54	Yes
3	0126EC151003	ABHINAV DHARMADHIKARI	A	A	0	No
4	0126EC151004	AISHRAJ LALWANI	A	A	0	No
5	0126EC151009	ANKIT KUMAR SRIVASTAVA	35	40	75	Yes
6	0126EC151010	ANKIT RAJ <i>As Per Policy</i>	(20)	(20)	(40)	No
7	0126EC151011	ANKIT TIWARI	A	A	0	No
8	0126EC151012	ANSHU DUBEY	28	30	58	Yes
9	0126EC151013	ANUPAMA SINGH	32	30	62	Yes
10	0126EC151014	ANURAG GUPTA	28	26	54	Yes
11	0126EC151016	APOORVA KHARE	43	40	83	Yes
12	0126EC151017	ARPIT KAUSHAL	25	30	55	Yes
13	0126EC151018	ARYAN SHARMA	45	45	90	Yes
14	0126EC151019	ASHISH PRAKASH	A	A	0	No
15	0126EC151020	ATUL PRASAD GUPTA	26	32	58	Yes
16	0126EC151021	AVANI AWASTHI	28	30	58	Yes
17	0126EC151022	AVNISH RAMAN	35	38	73	Yes
18	0126EC151023	AYUSH JOSHI	32	30	62	Yes
19	0126EC151024	DARSHANA SINGH	28	26	54	Yes
20	0126EC151025	DEEPAK NARSWANI	42	40	82	Yes
21	0126EC151026	DEEPAK KUMAR GUPTA	25	30	55	Yes
22	0126EC151027	DEEPAK SINHA	35	40	75	Yes
23	0126EC151028	DEEPANJAL MITRA	38	34	72	Yes
24	0126EC151030	DIVYANSH GUPTA	26	32	58	Yes
25	0126EC151032	GAURAV SOHANI	28	30	58	Yes
26	0126EC151033	GOLU SHIVAM KUMAR	35	38	73	Yes
27	0126EC151035	HIMANSHU MISHRA	32	30	62	Yes
28	0126EC151036	HIMANSHU YADAV	A	A	0	No
29	0126EC151037	INDRAJEET KUMAR	32	30	62	Yes
30	0126EC151038	IVA RAJ	45	45	90	Yes
31	0126EC151039	KARAN KUMAR	41	42	83	Yes
32	0126EC151040	KASTURI KAUSHIK	25	30	55	Yes
33	0126EC151042	KISHAN RAJ	35	40	75	Yes
34	0126EC151043	KUMAR ANKIT	A	A	0	No
35	0126EC151044	KUMAR SHANU	26	32	58	Yes
36	0126EC151045	M. ABHISHEK	28	30	58	Yes
37	0126EC151046	MANALI JAIN	35	38	73	Yes
38	0126EC151047	MANDAVI DWIDEDI	32	30	62	Yes
39	0126EC151048	MAYURI UPADHYAY	32	30	62	Yes
40	0126EC151050	NAVEETA JAISWAL	28	26	54	Yes
41	0126EC151052	NIKET KARAN	38	37	75	Yes
42	0126EC151053	NIKITA SEN	25	30	55	Yes
43	0126EC151054	NITYA RAWAT	35	40	75	Yes

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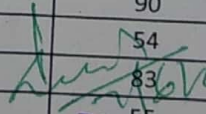
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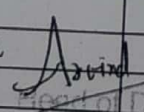
Value Added Course: Applications of IoT

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S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible for Certificate or not
44	0126EC151056	POOJA BAIRAGI	38	34	72	Yes
45	0126EC151057	PRACHI YADAV	26	32	58	Yes
46	0126EC151058	PRAFULL KUMAR PALIWAL	28	30	58	Yes
47	0126EC151060	PRATEEK KUMAR	20	10	30	No
48	0126EC151061	PRINCE KUMAR	32	30	62	Yes
49	0126EC151062	PRIYA	28	26	54	Yes
50	0126EC151064	PUSHPENDRA SINGH SENGAR	43	40	83	Yes
51	0126EC151065	RAJA SINGH	25	30	55	Yes
52	0126EC151066	RAJAT CHOUDHARY	35	40	75	Yes
53	0126EC151067	RAJEEV KUMAR MISHRA	45	45	90	Yes
54	0126EC151068	RASHEE JAIN	26	32	58	Yes
55	0126EC151069	RAUSHAN RAJ	28	30	58	Yes
56	0126EC151070	RAVI KANT VERMA	35	38	73	Yes
57	0126EC151071	RAVI SHANKAR	45	45	90	Yes
58	0126EC151072	RAVINDRA.S.PANWAR	28	26	54	Yes
59	0126EC151073	REEMA KARAMCHANDANI	42	40	82	Yes
60	0126EC151074	RIA KHARE	25	30	55	Yes
61	0126EC151075	RINKY PATEL	35	40	75	Yes
62	0126EC151077	RITIK SHARMA	A	A	0	No
63	0126EC151078	RITIKA SAXENA	45	45	90	Yes
64	0126EC151079	ROMIL AJMERA	28	30	58	Yes
65	0126EC151081	RUBEENA SHREEN	35	38	73	Yes
66	0126EC151082	SACHIN DUBEY	32	30	62	Yes
67	0126EC151083	SAKET KUMAR	28	26	54	Yes
68	0126EC151084	SAKSHI CHANDRAWANSHI	45	45	90	Yes
69	0126EC151085	SAKSHI CHATURVEDI	25	30	55	Yes
70	0126EC151086	SAKSHI KANKANE	35	40	75	Yes
71	0126EC151087	SANGHAMITRA GOSWAMI	38	34	72	Yes
72	0126EC151088	SANJEET KUMAR	26	32	58	Yes
73	0126EC151089	SANKARSHAN MISHRA	28	30	58	Yes
74	0126EC151090	SANTOSH KUMAR	35	38	73	Yes
75	0126EC151091	SANTOSH RATHOR	32	30	62	Yes
76	0126EC151093	SARANSH JAIN	45	45	90	Yes
77	0126EC151094	SHAHZAD ALI	45	45	90	Yes
78	0126EC151095	SHAFALI SHRIVASTAVA	28	26	54	Yes
79	0126EC151096	SHASHANK MODI	41	42	83	Yes
80	0126EC151097	SHREBA NIGAM	25	30	55	Yes
81	0126EC151098	SHIVAM PANDEY	35	30	65	Yes
82	0126EC151099	SHIVAM PANDEY	35	30	65	Yes
83	0126EC151100	SHRISHTI AGRAWAL	32	30	62	Yes
84	0126EC151101	SHRISHTI SONI	28	26	54	Yes
85	0126EC151102	SHRUTI SUMAN	38	37	75	Yes
86	0126EC151103	SHUBHAM SHARMA	25	30	55	Yes


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Students Assessment Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible for Certificate or not
87	0126EC151104	SHUBHAM SUMBHE	35	38	73	Yes
88	0126EC151105	SHYAMLI NIGAM	45	45	90	Yes
89	0126EC151106	SOURABH KUMAR GOUR	28	26	54	Yes
90	0126EC151107	SUBHAM KISHORE	43	40	83	Yes
91	0126EC151108	SUMIT ANAND	25	30	55	Yes
92	0126EC151109	SUMIT CHOUHAN	35	40	75	Yes
93	0126EC151110	SUNIL KUMAR SAHU	A	A	0	No
94	0126EC151112	KUMARI SWASTIKA	45	45	90	Yes
95	0126EC151113	SWATI AGARWAL	28	26	54	Yes
96	0126EC151114	SWATI SINGH	42	40	82	Yes
97	0126EC151115	SYED HIBA ALI	25	30	55	Yes
98	0126EC151116	TUSHAR BHAVE	35	40	75	Yes
99	0126EC151117	UDISHA GUPTA	35	38	73	Yes
100	0126EC151118	VAISHALI GANGIL	32	30	62	Yes
101	0126EC151119	VANSHIKA MANWANI	28	26	54	Yes
102	0126EC151120	VARSHA SHUKLA	41	42	83	Yes
103	0126EC151121	VARSHA SONI	25	30	55	Yes
104	0126EC151123	VIVEK KUMAR	35	40	75	Yes
105	0126EC151124	YASH DAVE	A	A	0	No
106	0126EC151125	ZOYA KAMAL	35	40	75	Yes

Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal
29-09-2019



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Course Evaluation/ Feedback Form

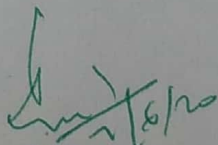
Value Added Course	Application of IOT
Date:	24-28 Sep 2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s);	Mr. Amish Jha, Mr. Abhigyanam Giri

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	4 3 2 1
2. The Course was well organized.	4 3 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 3 2 1
6. The materials provided were sufficient & appropriate for the program.	4 3 2 1
7. The physical arrangements were adequate.	4 3 2 1




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Department of Electronics & Communication Engineering



Certificate of Completion

This is to certify that Mr./Ms. Ritika Saxena of EC-VII Sem, OCT, Bhopal, has Successfully Completed the “*Value Added Course*” on “**Applications of IoT**” during 24-28 Sep 2018, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

Abhigyan

Coordinator, IndEyes



Arvind

Head of Department, EC, OCT

[Signature]
7/6/20
Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Ratchane

Director, OCT



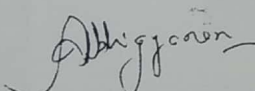
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electronics & Communication Engineering

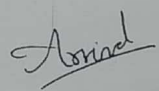



Certificate of Completion

This is to certify that Mr./Ms. Aryan Sharma of EC-VII Sem, OCT, Bhopal, has Successfully Completed the “*Value Added Course*” on “**Applications of IoT**” during 24-28 Sep 2018, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

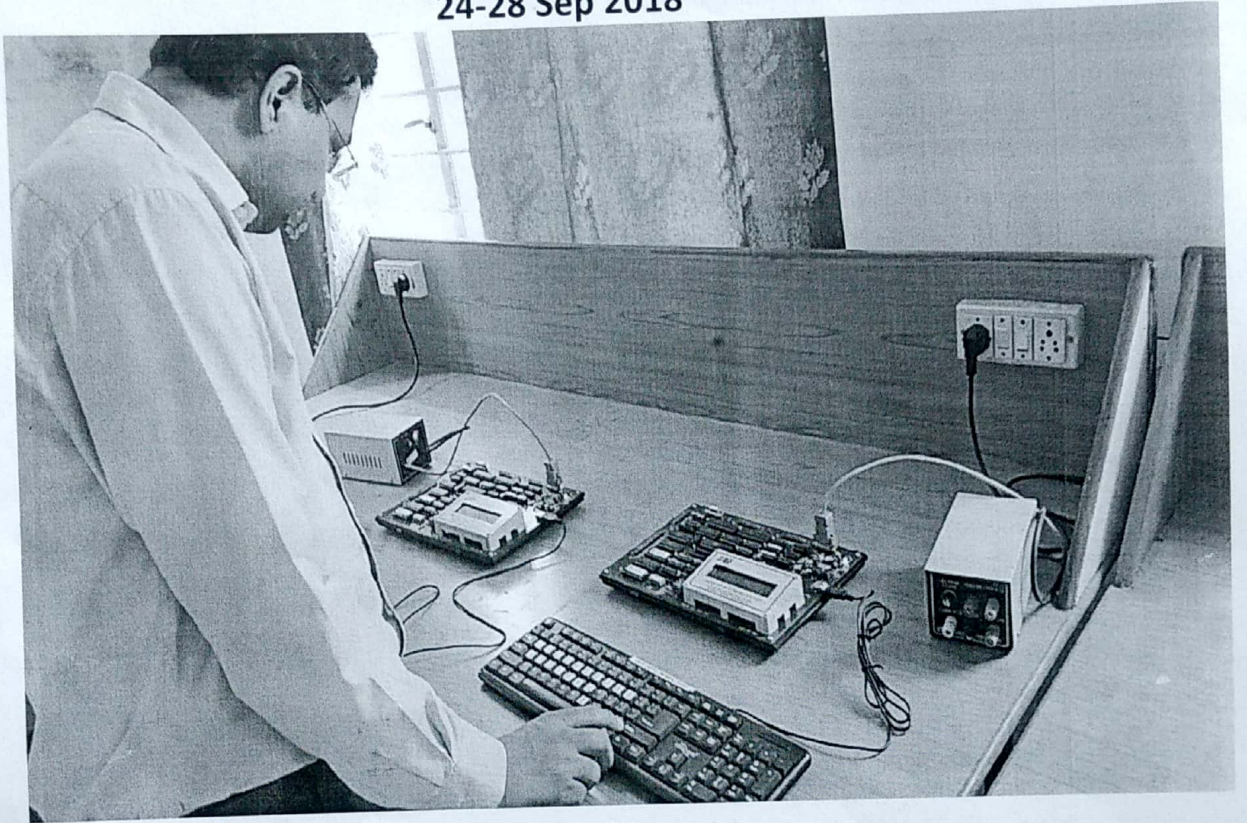

Coordinator, IndEyes




Head of Department, EC, OCT


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Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Value Added Course
On
Applications of IoT
24-28 Sep 2018



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Department of Electronics & Communication Engineering



Report on Value Added Course on Applications of IoT

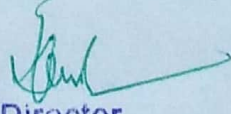
Date and Time: September 24, to September 28, 2018. **Venue:** EC, OCT Campus, **Organized by:** EC,OCT, Bhopal. **Name of the Speakers:** Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd., Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT, **Participants Details:** Fourth Year students of Electronics & Communication Engineering.

Summary of the Event

The Value added course Plays an important role in Strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Electronics & Communication Engineering Department of Oriental College of Technology in association with IndEyes InfoTech Pvt. Ltd, had organized “Value Added Course on Applications of IoT” from September 24, to September 28, 2018 for the students of 4th year.

This Course syllabus was covered by Mr. Abhigyanam Giri, Director IndEyes Infotech Pvt. Ltd. ,Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT in 30 Hrs. of 5-Day program.




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On September 24, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare, Director, Oriental College of Technology. In her presidential speech, she emphasized on the need to collaborate the academic and the non academic education.

On September 24, the Course coordinator, Mr. Abhigyanam Giri, guided all students on the topic "Applications of IoT". In his speech, he had explained the need for every student to have skills to get a job. To bridge the gap between the academic and industry need, Value Added Courses are much essential. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. Mr. Amish Ku. Jha, explained, Introduction to IoT. Mr. Kapil Gupta, explained the applications of IoT.

On September 25, Mr. Abhigyanam, explained the basic electronics components of IoT.

On September 26, Mr. Amish Jha, explained, RF module and GSM module.

On September 27, Mr. Amish Jha, explained introduction to IoT based weather monitoring system.

On September 28, Mr. Abhigyanam explained designing of IoT based weather monitoring system.

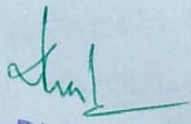
At last, Prof. Arvind Sahu, Head EC, Convenor of Course gave away the vote of thanks. He thanked Mr. Abhigyanam Giri for providing his valuable time for successful conduction of this course for our students. He also thanked Mr. Amish Ku. Jha & Mr. Kapil Gupta for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Arvind Sahu

Course Convenor

Head, EC, OCT




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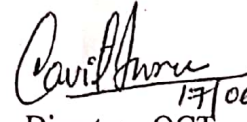
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

Date: 17 June 2014

Policy for Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enroll and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Objective Test Score, with minimum of 60% attendance during the course.
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Objective Test Score $\geq 25/50$.
 - c. If one of the two clause (a, b) is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.


17/06/14

Director, OCT


Director

Oriental College of Technology
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Bhopal

Copy to:

1. Academic Committee
2. All HoD's, OCT




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Oriental College of Technology
Thakral Nagar, Raisen Road
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Registration Form

Name:

Enrollment No:

Branch:

Semester:

Address:

.....

.....

.....

City & Pin:

E-mail id:

Contact No:

Place:

Signature:

Date:

Signature with Seal
Head of the Department



CHIEF PATRONS

Dr. K. L. Thakral
Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral
Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei
Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare
Director, OCT, Bhopal

CONVENOR

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oethodex@oriental.ac.in
Mobile: +917024119755

COURSE COORDINATOR

Mr. Rishabh Shukla
Mobile: +919584741706

ORGANISING COMMITTEE MEMBERS

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Mr. Kaushal Sen
CONTACT
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oethodex@oriental.ac.in
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Mr. Lalit Jain
Mobile: +917972366098

**Oriental College of Technology,
Bhopal**



Value Added Course

On
"PLC & SCADA"
[4th to 8th Feb. 2019]

In Association with



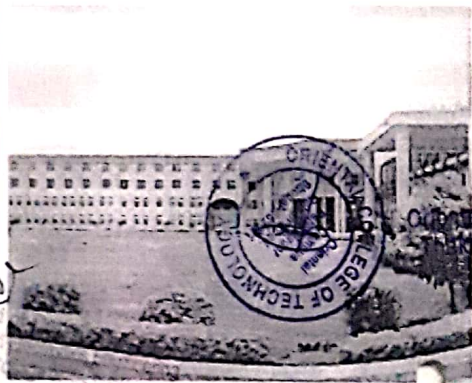
Organised By

Department of Electrical & Electronics
Engineering

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal - 462021
Phone: 2529026, 2529057 Fax: 0755-2529472

ABOUT THE ORIENTAL GROUP

Oriental Group of Institutes (Indore - Bhopal- Jabalpur) India established in the year 1995 is a self financed premier education group imparting education in the disciplines of Engineering, Pharmacy, Management and Advanced Computer Studies. The Oriental College of Technology, offers six under graduate Bachelor of Engineering courses and three post graduate, Master of Technology courses. The college is having an excellent library, internet lab, modern labs for each department, central workshop, sports & games facilities etc. Bhopal, the capital of Madhya Pradesh, is also known as city of lakes. It is well connected to all parts of the country by rail and air. The institute is about 09 km from Bhopal railway station, and 07 km from Habibganj railway station and 18 km from Raja Bhoj Airport.



ABOUT THE DEPARTMENT

The Department of Electrical & Electronics is a major strength of the institute. The Department has an excellent group of faculty with experience in teaching, Industry and Research. The state-of-art facilities and competent faculties provide an excellent climate for the all round development of the students. It has well qualified, committed and motivated faculty members having specialization in various streams.

The EX Department offers M.Tech Course in Power Electronics along with Undergraduate Program (B.E/ B.Tech) with an intake of 18 and 120 respectively.

ABOUT THE COURSE

Programmable Logic Controller or PLC is a computing system used to control electromechanical processes. **SCADA** stands for Supervisory Control and Data Acquisition. It is a type of industrial control system that is used to monitor and control facilities and infrastructure in industries.

OBJECTIVES

The main objective of PLC & Scada Workshop is to make engineers acquainted with the fundamentals as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The idea of organizing this workshop is to inculcate the basic fundamentals of automation in the students and

provide them with a platform to work on, In The Near Future.

ELIGIBILITY

The Students Electrical & Electronics Engineering branch are eligible to attend the course.

REGISTRATION

No Registration fees.

SPEAKERS

- Mr. Abhijeet Singh
Assistant Prof. EX Deptt. OCT Bhopal
- Mr. Rishabh Shukla
Assistant Prof. EX Deptt. OCT Bhopal
- Mr. Praveen Choudhary
Assistant Prof. EX Deptt. OCT Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering

Value Added Course: PLC & SCADA

Course Code: EX 40001

Module I:

Presentation on Recent Trends in Industrial Automation & PLC-SCADA

Introduction To Automation, Why We Need Automation, Where Automation?, Evolution In Industrial Automation (A Brief History), Different Type Of Industrial Control Mechanisms), Introduction To PLCs, PLC Advantages Over Microcontrollers, Area Of Applications, DATA Flow During Automation, Motor Drives Introduction & Their Need, Sensors Introduction & Their Need, HMI Introduction & Its Need, SCADA Introduction & Its Need

Module II:

PLCs & PLC Programming- Allen Bradley Micrologix 1000 PLC (Digital PLC), Delta (Analog PLC)

Module III:

SCADA Programming- Basic & Advanced- Wonderware InTouch

Module IV:

Sensors- Proximity Sensor, Inductive Sensor, IR Sensor, Limit Switch/ Level Switch

Module V:

Projects-4 Projects will be covered during the training.




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SCHEDULE

5 Days Value Added Course on PLC & SCADA [4th to 8th Feb. 2019]

4th Feb 2019

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Presentation on Recent Trends in Industrial Automation & PLC-SCADA	Mr. Abhijeet Singh
12:30-1:40PM	LUNCH	
01:40-3:10PM	Detail study of PLC & SCADA	Mr. Abhijeet Singh
3:10-3:30PM	Break	
03:30-5:30PM	PLC I/Os Basics, Burning & Interfacing Concepts	Mr. Abhijeet Singh

5th Feb 2019

Time	Session	Teacher
9:00-11:00AM	PLCs & PLC Programming	Mr. Rishabh Shukla
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session on Allen Bradley Micrologix 1000 PLC (Digital PLC)	Mr. Rishabh Shukla
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session on Delta (Analog PLC)	Mr. Rishabh Shukla

6th Feb 2019


Time	Session	Teacher
9:00-11:00AM	SCADA Programming- Basic & Advanced	Mr. Abhijeet Singh
11:00-11:30AM	Break	
11:30-01:00PM	Wonderware In Touch	Mr. Abhijeet Singh
01:00-1:40PM	LUNCH	
01:40-4:30PM	Checking Errors	Mr. Abhijeet Singh

7th Feb 2019


Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Praveen Choudhary
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Praveen Choudhary
01:00-1:40PM	LUNCH	
01:40-4:30PM	Detail study of Sensors	Mr. Praveen Choudhary

8th Feb 2019

Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Abhijeet Singh
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Abhijeet Singh
01:00-1:40PM	LUNCH	
01:40-2:30PM	Projects	Mr. Abhijeet Singh
2:30-3:30PM	Feedback from students	Mr. Abhijeet Singh
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Abhijeet Singh


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 Head of Department
 Electrical & Electronics Engineering
 Oriental College of Technology

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Value Added Course On PLC & SCADA Objective Test, Date: 8 Feb 2019

Branch:	Electrical & Electronics Engineering		
Semester	8 Sem		Max. marks-50 Minimum marks-25
Subject	PLC&SCADA	Subject Code: EX 40001	Time: 1:30 Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

1. What is the full form of SCADA?
 - a) Supervisory Control and Document Acquisition
 - b) Supervisory Control and Data Acquisition
 - c) Supervisory Column and Data Assessment
 - d) Supervisory Column and Data Assessment
2. DCS is a _____
 - a) Distributed Control System
 - b) Data Control System
 - c) Data Column System
 - d) Distributed Column System
3. What is SCADA?
 - a) Software
 - b) Process
 - c) System
 - d) Hardware
4. The control in SCADA is _____
 - a) Online control
 - b) Direct control
 - c) Supervisory control
 - d) Automatic control
5. When did the SCADA start?
 - a) 1980s
 - b) 1990s


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- c) 1970s
d) 1960s
6. When did Windows become the world standard operating system?
a) 1980s
b) 1990s
c) 1970s
d) 1960s
7. Which of the following is an example of the SCADA system?
a) Emerson Delta V
b) Honeywell PlantScape
c) Yokogawa CENTUM
d) PowerStudio Deluxe
8. How many levels are present in a complex SCADA system?
a) 3 – levels
b) 5 – levels
c) 4 – levels
d) 6 – levels
9. Which of the following is not the component of a SCADA system?
a) Database server
b) I/O system
c) PLC controller
d) Sparger controller
10. Which of the following is used for centralized network databases?
a) RAID 2
b) RAID 5
c) RAID 1
d) RAID 2
11. The minimum number of disks in RAID level 2 is _____
a) 3
b) 4
c) 2
d) 1
12. Which of the following is the heart of a SCADA system?
a) PLC
b) HMI
c) Alarm task
d) I/O task
13. Which of the following is also known as striping?
a) RAID 2
b) RAID 0
c) RAID 1
d) RAID 2



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Head of Department
Electronics & Instrumental Engineering
Oriental College of Technology

14. The minimum number of disks in RAID level 4 is five.

- a) True
- b) False

15. RAID-1 is also known as mirroring.

- a) True
- b) False

16. The symbol -(L)- represent what instruction in the PLC language?

- A. OUT output unlatch instruction.
- B. OIL output latch instruction.
- C. Examine off instruction.
- D. Output energize instruction.

17. The address T4:6.ACC is used to address what?

- A. Accumulator for timer 4 in file 6.
- B. Preset value of timer 6 in file 4.
- C. Accumulator for timer 6 in file 4.
- D. Accumulator for counter 6 in file 4.

18. To reset the time for a PLC what condition must be true?

- A. Reset rung of TON must be true.
- B. Reset rung of TON must be false.
- C. RST instruction with timer address must be true.
- D. RST instruction with associated timer address must be false.

19. To increase the number of inputs and outputs of the PLC, one can use expansion modules.

- A. True.
- B. False.
- C. None of the above.

20. Solenoids, lamps, motors are connected to:

- A. Analog output.
- B. Digital output.
- C. Analog input.
- D. Digital input.



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Head of Department
Electrical & Electronics Engineering
Oriental College of Technology



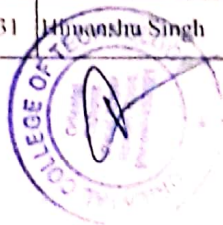
Oriental College of Technology , Bhopal

Department of Electrical & Electronics Engineering

PLC & SCADA

4 Feb. to 8 Feb 2019

Sr. No.	Enrollment No.	Name of Student	4/2/2019	5/2/2019	6/2/2019	7/2/2019	8/2/2019
1	0126EX151001	Abdur Rahman	Abdur	Abdur	Abdur	Abdur	Abdur
2	0126EX151002	Abhijeet Kumar	A	A	A	A	A
3	0126EX151004	Abhishek Kumar	(A)	(A)	(A)	(A)	(A)
4	0126EX151005	Abhishek Kumar Rampurya	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
5	0126EX151006	Aditya Kumar	A	A	A	A	A
6	0126EX151007	Aditya Nema	Aditya	Aditya	Aditya	Aditya	Aditya
7	0126EX151008	Ajay Singh	A	A	A	A	A
8	0126EX151009	Akash Kumar Verma	A	A	A	A	A
9	0126EX151010	Akshat Shrivastava	A	A	A	A	A
10	0126EX151011	Akshay Joshi	(A)	(A)	(A)	(A)	(A)
11	0126EX151013	Aman Preet Kaur	Aman	Aman	Aman	Aman	Aman
12	0126EX151014	Amit Kumar Singh	A	A	A	A	A
13	0126EX151016	Anay Chourey	Anay	Anay	Anay	Anay	Anay
14	0126EX151017	Ankesh Kumar Srivastav	Ankesh	Ankesh	Ankesh	Ankesh	Ankesh
15	0126EX151019	Anuj Dubey	Anuj	Anuj	Anuj	Anuj	Anuj
16	0126EX151020	Anurag Panday	Anurag	Anurag	Anurag	Anurag	Anurag
17	0126EX151021	Arvind Kumar Dwivedi	Arvind	Arvind	Arvind	Arvind	Arvind
18	0126EX151022	Avinash Pai	Avinash	Avinash	Avinash	Avinash	Avinash
19	0126EX151024	Banty Kumar	Banty	Banty	Banty	Banty	Banty
20	0126EX151026	Chirag Chauhan	A	A	A	A	A
21	0126EX151027	D Mukeshjee	D	D	D	D	D
22	0126EX151028	Deepak Kumar Ranjan	Deepak	Deepak	Deepak	Deepak	Deepak
23	0126EX151029	Deepansh Pahariya	Deepansh	Deepansh	Deepansh	Deepansh	Deepansh
24	0126EX151030	Gaurav Dubey	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
25	0126EX151031	Himanshu Singh	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu



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Thekral Nagar, Raisen Road
Bhopal

Signature of the Director

26	01261 X151032	Kunal Krishna	Kunal	Kunal	Kunal	Kunal	Kunal
27	01261 X151033	Laboni Karmakar	Laboni	Laboni	Laboni	Laboni	Laboni
28	01261 X151034	Madhu Kumari	Madhu	Madhu	Madhu	Madhu	Madhu
29	01261 X151035	Megha Jain	Megha	Megha	Megha	Megha	Megha
30	01261 X151036	Mukul Ranjan	Mukul	Mukul	Mukul	Mukul	Mukul
31	01261 X151037	Navin Kumar	Navin	Navin	Navin	Navin	Navin
32	01261 X151038	Nikhil Singh	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
33	01261 X151039	Nikita Naga	Nikita	Nikita	Nikita	Nikita	Nikita
34	01261 X151041	Ovesh Beg	Ovesh	Ovesh	Ovesh	Ovesh	Ovesh
35	01261 X151042	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
36	01261 X151044	Pawan Singh Tiwari	Pawan	Pawan	Pawan	Pawan	Pawan
37	01261 X151045	Piyush Sonkushre	Piyush	Piyush	Piyush	Piyush	Piyush
38	01261 X151046	Pranjul Pancholy	Pranjul	Pranjul	Pranjul	Pranjul	Pranjul
39	01261 X151047	Prashant Kumar	Prashant	Prashant	Prashant	Prashant	Prashant
40	01261 X151048	Prashant Kumar	Prashant	Prashant	Prashant	Prashant	Prashant
41	01261 X151049	Prashant Ojha	Prashant	Prashant	Prashant	Prashant	Prashant
42	01261 X151050	Prashant Kumar	Prashant	Prashant	Prashant	Prashant	Prashant
43	01261 X151051	Pratibha Shahi	Pratibha	Pratibha	Pratibha	Pratibha	Pratibha
44	01261 X151052	Pratik Chowdhury	Pratik	Pratik	Pratik	Pratik	Pratik
45	01261 X151053	Pratik Mohan	Pratik	Pratik	Pratik	Pratik	Pratik
46	01261 X151054	Princy Jain	Princy	Princy	Princy	Princy	Princy
47	01261 X151055	Pri Raj	Pri Raj	Pri Raj	Pri Raj	Pri Raj	Pri Raj
48	01261 X151056	Priya	Priya	Priya	Priya	Priya	Priya
49	01261 X151057	Pushpendra Bharti	Pushpendra	Pushpendra	Pushpendra	Pushpendra	Pushpendra
50	01261 X151058	Rahul Agrawal	Rahul	Rahul	Rahul	Rahul	Rahul
51	01261 X151059	Randhir Agrawal	Randhir	Randhir	Randhir	Randhir	Randhir
52	01261 X151061	Ravi Bhushan	Ravi	Ravi	Ravi	Ravi	Ravi
53	01261 X151062	Ravi Deshmukh	Ravi	Ravi	Ravi	Ravi	Ravi
54	01261 X151063	Ravi Raj Prabhakar	Ravi	Ravi	Ravi	Ravi	Ravi
55	01261 X151064	Rishabh Singh Chandel	Rishabh	Rishabh	Rishabh	Rishabh	Rishabh
56	01261 X151065	Rishabh Singh Chandel	Rishabh	Rishabh	Rishabh	Rishabh	Rishabh

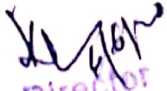



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Thakral Nagar, Raipur Road
Bhopal

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57	0126EX151066	Ritesh Patel	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
58	0126EX151067	Rohit Kumar	Rohit	Rohit	Rohit	Rohit	Rohit
59	0126EX151068	Rohit Pachouri	Rohit	Rohit	Rohit	Rohit	Rohit
60	0126EX151069	Rupali Bharti	Rupali	Rupali	Rupali	Rupali	Rupali
61	0126EX151070	Saniya Hussain Khan	Saniya	Saniya	Saniya	Saniya	Saniya
62	0126EX151071	Shalini Jaiswal	Shalini	Shalini	Shalini	Shalini	Shalini
63	0126EX151073	Shivam Bhatt	Shivam	Shivam	Shivam	Shivam	Shivam
64	0126EX151074	Shivam Pandey	Shivam	Shivam	Shivam	Shivam	Shivam
65	0126EX151075	Shivangi Majumdar	Shivangi	Shivangi	Shivangi	Shivangi	Shivangi
66	0126EX151076	Shreyansh Diwan	Shreyansh	Shreyansh	Shreyansh	Shreyansh	Shreyansh
67	0126EX151077	Shrushti Umesh Kokaje	Shrushti	Shrushti	Shrushti	Shrushti	Shrushti
68	0126EX151078	Shubham Bhardwaj	Shubham	Shubham	Shubham	Shubham	Shubham
69	0126EX151079	Shubham Diwakar	Shubham	Shubham	Shubham	Shubham	Shubham
70	0126EX151080	Sourabh Sarathe	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh
71	0126EX151081	Sujit Kumar	Sujit	Sujit	Sujit	Sujit	Sujit
72	0126EX151082	Sukirti Singh	Sukirti	Sukirti	Sukirti	Sukirti	Sukirti
73	0126EX151083	Sumit Kumar Kushwaha	Sumit	Sumit	Sumit	Sumit	Sumit
74	0126EX151084	Swati Singh	Swati	Swati	Swati	Swati	Swati
75	0126EX151085	Tabrej Alam	Tabrej	Tabrej	Tabrej	Tabrej	Tabrej
76	0126EX151086	Utkarsh Kumar	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh
77	0126EX151087	Vaishali Khare	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
78	0126EX151088	Vishal Choudhary	Vishal	Vishal	Vishal	Vishal	Vishal




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 Bhopal


 Head of Department
 Electrical Engineering
 Oriental College of Technology

Oriental College Of Technology, Bhopal

Electrical & Electronics Engineering Department

Value Added Course: PLC & SCADA, 4-8 Feb 2019

Course Code: EX 40001

ASSESSMENT SHEET

Sno	Enrollment No.	Name of students	Class room assessment score(marks/50)	Objective test score(marks/50)	Total score	Eligible to receive certificate or not
1	0126EX151001	Abdur Rahman	40	40	80	Eligible
2	0126EX151002	Abhijeet Kumar	A	A	0	Not Eligible
3	0126EX151004	Abhishek Kumar	35	30	65	Eligible
4	0126EX151005	Abhishek Kumar Rampurya	25	30	55	Eligible
5	0126EX151006	Aditya Kumar	27.5	35.5	63	Eligible
6	0126EX151007	Aditya Nema	45	46	91	Eligible
7	0126EX151008	Ajay Singh	A	A	0	Not Eligible
8	0126EX151009	Akash Kumar Verma	A	A	0	Not Eligible
9	0126EX151010	Akshat Shrivastava	A	A	0	Not Eligible
10	0126EX151011	Akshay Joshi	27.5	35.5	63	Eligible
11	0126EX151013	Aman Preet Kaur	45.5	30	75.5	Eligible
12	0126EX151014	Amit Kumar Singh	32	42	74	Eligible
13	0126EX151016	Anay Chourey	42	40	82	Eligible
14	0126EX151017	Anikesh Kumar Srivastav	30	42	72	Eligible
15	0126EX151019	Anuj Dubey	28	35	63	Eligible
16	0126EX151020	Anurag Panday	45.5	30	75.5	Eligible
17	0126EX151021	Arvind Kumar Dwivedi	32	42	74	Eligible



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18	0126EX151022	Avinash Pai	25	30	55	Eligible
19	0126EX151024	Banty Kumar	27.5	35.5	63	Eligible
20	0126EX151026	Chirag Chauhan	A	A	0	Not Eligible
21	0126EX151027	D Mukeshjee	30	35	65	Eligible
22	0126EX151028	Deepak Kumar Ranjan	38	40	78	Eligible
23	0126EX151029	Deepansh Pahariya	29	40	69	Eligible
24	0126EX151030	Gaurav Dubey	30	42	72	Eligible
25	0126EX151031	Himanshu Singh	45.5	30	75.5	Eligible
26	0126EX151032	Kunal Krishna	32	42	74	Eligible
27	0126EX151033	Laboni Karmakar	42	40	82	Eligible
28	0126EX151034	Madhu Kumari	A	A	0	Eligible
29	0126EX151035	Megha Jain	29	40	69	Eligible
30	0126EX151036	Mukul Ranjan	30	42	72	Eligible
31	0126EX151037	Navin Kumar	35	30	65	Eligible
32	0126EX151038	Nikhil Singh	25	30	55	Eligible
33	0126EX151039	Nikita Naga	27.5	35.5	63	Eligible
34	0126EX151041	Ovesh Beg	45	46	91	Eligible
35	0126EX151042	Pallavi	A	A	0	Not Eligible
36	0126EX151044	Pawan Singh Tiwari	42	40	82	Eligible
37	0126EX151045	Piyush Sonkushre	45.5	30	75.5	Eligible
38	0126EX151046	Pranjul Pancholy	27	45	72	Eligible
39	0126EX151047	Prashant Kumar	40	40	80	Eligible
40	0126EX151048	Prashant Kumar	28	30	58	Eligible
41	0126EX151049	Prashant Ojha	38	40	78	Eligible




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42	0126EX151050	Prashun Kumar	29	40	69	Eligible
43	0126EX151051	Pratibha Shahi	30	42	72	Eligible
44	0126EX151052	Pratik Chowdhury	45.5	30	75.5	Eligible
45	0126EX151053	Pratik Mohan	27	45	72	Eligible
46	0126EX151054	Princy Jain	40	40	80	Eligible
47	0126EX151055	Prit Raj	A	A	0	Not Eligible
48	0126EX151056	Priya	30	35	65	Eligible
49	0126EX151057	Pushpendra Bharti	38	40	78	Eligible
50	0126EX151058	Rahul Agrawal	29	40	69	Eligible
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53	0126EX151062	Ravi Deshmukh	37	40	77	Eligible
54	0126EX151063	Ravi Raj Prabhakar	45	47.5	92.5	Eligible
55	0126EX151064	Rishabh Singh Chandel	35	45	80	Eligible
56	0126EX151065	Rishu Kumar	45	40	85	Eligible
57	0126EX151066	Ritesh Patel	30	45	75	Eligible
58	0126EX151067	Rohit Kumar	30	30	60	Eligible
59	0126EX151068	Rohit Pachouri	35	45	80	Eligible
60	0126EX151069	Rupali Bharti	45.5	30	75.5	Eligible
61	0126EX151070	Saniya Hussain Khan	30	45	75	Eligible
62	0126EX151071	Shalini Jaiswal	32	42	74	Eligible
63	0126EX151073	Shivam Bhatt	42	40	82	Eligible
64	0126EX151074	Shivam Pandey	30	45	75	Eligible
65	0126EX151075	Shivangi Majumdar	30	30	60	Eligible




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 Electrical & Electronics Engineering
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66	0126EX151076	Shreyansh Diwan	35	45	80	Eligible
67	0126EX151077	Shrushti Umesh Kokaje	38	40	78	Eligible
68	0126EX151078	Shubham Bhardwaj	29	40	69	Eligible
69	0126EX151079	Shubham Diwakar	30	42	72	Eligible
70	0126EX151080	Sourabh Sarathe	28	35	63	Eligible
71	0126EX151081	Sujit Kumar	40	47.5	87.5	Eligible
72	0126EX151082	Sukirti Singh	30	45	75	Eligible
73	0126EX151083	Sumit Kumar Kushwaha	30	42	72	Eligible
74	0126EX151084	Swati Singh	28	35	63	Eligible
75	0126EX151085	Tabrej Alam	27.5	35.5	63	Eligible
76	0126EX151086	Utkarsh Kumar	45	46	91	Eligible
77	0126EX151087	Vaishali Khare	28	35	63	Eligible
78	0126EX151088	Vishal Choudhary	40	47.5	87.5	Eligible


 Head of Department
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 Oriental College of Technology




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 Oriental College of Technology
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Course Evaluation/ Feedback Form

Value Added Course	PLC & SCADA
Date:	4-8 Feb 2019
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Abhijeet Singh

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The quality of the course contents compared with your expectations.	(4) 3 2 1
2. The presenter(s) inspires you by his/her knowledge in the course.	(4) 3 2 1
3. The information and/or skills presented were relevant and useful	(4) 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 (3) 2 1
5. The course contents handed out was useful	(4) 3 2 1
6. The materials provided were sufficient & appropriate for the program.	4 (3) 2 1
7. The presenter(s) encouraged interaction and were helpful..	(4) 3 2 1




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[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]



Session: 2018-2019

Department of Electrical & Electronics Engineering

CERTIFICATE

This is to certify that Mr. /Ms. Abdur Rahman of EX-VIII Sem , OCT, Bhopal, has Completed the “Value Added Courses” on “PLC & SCADA” during 4th Feb to 8th Feb 2019, organized by Department of Electrical & Electronics Engineering, Oriental College of Technology, Bhopal.



Co-ordinator, EX, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

HOD, EX, OCT

Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering



Report on Value Added Course on PLC & SCADA

Date and Time: February 04, to February 08, 2019. **Venue:** EX.OCT Campus. **Organized**

By: EX.OCT, , Bhopal. **Name of the Speakers:** Mr. Abhijeet Singh, Assistant., Prof. EX Deptt. OCT Bhopal, Mr. Praveen Choudhary, Assistant Prof. EX Deptt. OCT Bhopal, Mr. Rishabh Shukla, Assistant Prof. EX Deptt. OCT Bhopal

Participants Details: Final year students of Electrical & Electronics Engineering.

Summary of the Event

During the course students collect Information regarding different types of PLC is acquired in Industrial Automation training so that the variations of the circuits can be learnt. And then the connection about PC and PLC and vice versa is learnt during PLC Training. Finally the different types of programmable logic controller, the concepts of ladder logic, and RLD (Relay Logic Diagram) is learnt during SCADA Training.

"Value Added Course on PLC & SCADA" February 04, to February 08, 2019 for the students of Final year .

On January 15, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare , Director, Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.

On February 15, the Course coordinator, Mr. Rishabh Shukla, guided all students on the topic "PLC & SCADA". In his speech, he had explained the need for every student to have skills to get a job.

On February 15, Mr. Abhijeet Singh, give detail study of PLC & SCADA



[Handwritten Signature]
Director
Oriental College of Technology,
Thakral Nagar, Bhopal
2019

On February 16, Mr. Rishabh Shukla, Practice Session on Allen Bradley Micrologix 1000 PLC (Digital PLC)

On February 17, Mr. Abhijeet Singh, explained SCADA Programming- Basic & Advanced .

On February 18, Mr. Praveen Choudhary, given Room Assessment

On February 19, Mr. Abhijeet Singh, conduct test and assignment.

At last, Prof. Preeti Gupta, Head EX, Convenor of Course gave away the vote of thank. He thanked Mr. Abhijeet Singh, Mr. Praveen Choudhary and Mr. Rishabh Shukla Jain for providing his valuable time for successful conduction of this course for our students. He also thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Preeti Gupta

Course Convenor

EX, OCT



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Oriental College of Technology
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Bhopal.

On February 16, Mr. Rishabh Shukla, Practice Session on Allen Bradley Micrologix 1000 PLC (Digital PLC)

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Prof. Preeti Gupta

Course Convenor

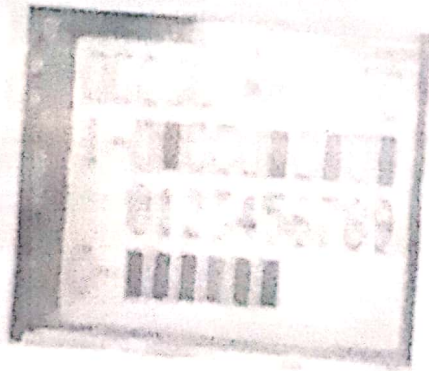
EX, OCT



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Director
Oriental College of Engineering
Thiruvananthapuram



PLC & SCADA
04 to 08 Feb.
2019

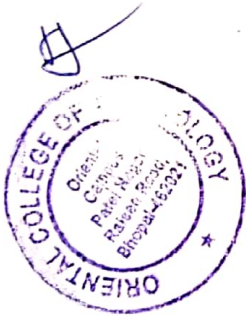


Oriental College of Technology, Bhopal

Date: 17 June 2014

Policy of Value Added Course

1. The minimum duration of each Value Added Course will be of 30 hrs.
2. Only students who are registered for the semester will be allowed to attend the course.
3. The assessment procedure will be based on the Class Room Assessment, Objective test & attendance.
4. The course is free to enrol and learn from. But if student want a certificate, then they have to register and write the proctored exam conducted by us in person at Oriental College of Technology, Bhopal
5. Criteria to get a Certificate: Final score = Class Room Assessment Score + Test Score, with minimum of 60% attendance
6. Student will be eligible for a certificate only if :
 - a. Class Room Assessment $\geq 25/50$
 - b. Exam Score $\geq 25/50$.
 - c. If one of the 2 criteria is not met, student will not get the certificate even if the Final score $\geq 50/100$.
7. Students will be issued with a certificate consisting of student name, semester, course name, Course duration.



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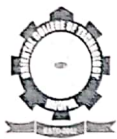
1. Academic Committee
2. All HoD's, OCT

Director, OCT

Director

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Value Added Course

On

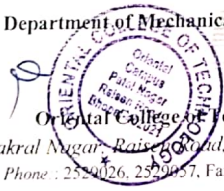
"3D PRINTING & 3D SCANNING"

[27-31, Aug-2018]

For IV-Year Students

Organised By

Department of Mechanical Engineering



Oriental College of Technology,

Thakral Nagar, Raisen Road, Bhopal - 462021

Phone : 2529026, 2529057, Fax: 0755-2529472

CHIEF PATRONS

Dr. K. L. Thakral

Founder Chairman, Oriental Group of Institutes and
Chancellor, Oriental University, Indore

PATRONS

Shri. Praveen Thakral

Chairman, Oriental Group of Institutes

Mrs. Niraj Ghei

Chair Person, Oriental College of Technology, Bhopal

ADVISORY COMMITTEE

Dr. Ranjeeta Khare

Director, OCT, Bhopal

CONVENOR

Dr. Netra Pal Singh

octhodme@oriental.ac.in

COURSE COORDINATOR

Mr. Shahnawaz Ansari

Mobile: +918253033270

Shahnawaz91@gmail.com

ORGANISING COMMITTEE MEMBERS

Mr. Praveen Mishra

Mr. Saumitra Kumar Sharma

Mr. Amit Pratap Singh Bhadouria

CONTACT

Mr. Shahnawaz Ansari

Mobile: +918253033270

Shahnawaz91@gmail.com

Mr. Saumitra Kumar Sharma

Mobile: +919589455704

saumitra204@gmail.com

Registration Form

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address:.....

City & Pin.....

E-mail id.....

Contact No:.....

Place:

Signature

Date:

Shahnawaz Ansari
Director

Oriental College of Technology
Thakral Nagar, Raisen Road

Signature with Seal
Head of the Department

head of the department
Mr. Saumitra Kumar Sharma
Oriental College of Technology, Bhopal



Oriental College of Technology, Bhopal

Mechanical Engineering

Value added course – 3D PRINTING & 3D SCANNING
Time Durations – 30Hrs
Course code – ME- 40001
Syllabus

Unit I- Introduction to 3D Printing & 3D Scanning

Using the Command Window to execute simple programming tasks, advantage of the **Introduction, Prototyping fundamentals**, Historical development, Advantages of AMT, Commonly used terms, process chain, 3D modelling, Data Conversion, and transmission, Checking and preparing, Building, Post processing, RP data formats, Classification of AMT process, Applications to various fields

Unit-II **Liquid based systems**: Stereo lithography apparatus (SLA): Models and specifications, process, working principle, photopolymers, photo polymerization, layering technology, laser and laser scanning, applications, advantages and disadvantages, case studies. Solid ground curing (SGC): Models and specifications, process, working principle, applications, advantages and disadvantages, case studies.

UNIT III **Solid based systems**: Laminated object manufacturing (LOM): Models and specifications, Process, Working principle, Applications, Advantages and disadvantages, Case studies. Fused Deposition Modelling (FDM): Models and specifications, Process, Working principle, Applications, Advantages and disadvantages, Case studies, practical demonstration

Unit-IV **Powder Based Systems**: Selective laser sintering (SLS): Models and specifications, process, working principle, applications, advantages and disadvantages, case studies. Three dimensional printing (3DP): Models and specification, process, working principle, applications, advantages and disadvantages, case studies.




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SCHEDULE		
5 Days Value Added Course on 3D PRINTING & 3D SCANNING [27-31, Aug-2018]		
27, Aug-2018		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to 3D Printing & 3D Scanning	Mr. Shahnawaz Ansari
12:30-1:10PM	LUNCH	
01:10-3:10PM	Commonly used terms	Mr. Praveen Mishra
3:10 -3:30PM	Break	
03:30-5:30PM	Post processing, RP data formats, Classification of AMT process, Applications to various fields	Mr. APS Bhadouria
28, Aug-2018		
Time	Session	Teacher
9:00-11:00AM	Stereo lithography apparatus (SLA): Models and specifications,	Mr. Praveen Mishra
11:00-11:30AM	Break	
11:30-01:00PM	photopolymers, polymerization, layering technology, laser and laser scanning,	Mr. APS Bhadouria
01:00-1:40PM	LUNCH	
01:40-4:30PM	Models and specifications,	Mr. Shahnawaz Ansari
29, Aug-2018		
Time	Session	Teacher
9:00-11:00AM	Laminated object manufacturing	Mr. APS Bhadouria
11:00-11:30AM	Break	
11:30-01:00PM	Fused Deposition Modeling (FDM)	Mr. Praveen Mishra
01:00-1:40PM	LUNCH	
01:40-4:30PM	Case studies, practical demonstration	Mr. Shahnawaz Ansari
30, Aug-2018		
Time	Session	Teacher
9:00-11:00AM	Selective laser sintering (SLS), case studies	Mr. Praveen Mishra
11:00-11:30AM	Break	
11:30-01:00PM	Three dimensional printing (3DP)	Mr. APS Bhadouria
01:00-1:40PM	LUNCH	
01:40-4:30PM	Models and specification, process	Mr. Shahnawaz Ansari
31, Aug-2018		
Time	Session	Teacher
9:00-11:00AM	working principle, applications, Case study	Mr. APS Bhadouria
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Shahnawaz Ansari
01:00-1:40PM	LUNCH	
01:40-2:30PM	Assignment submission	Mr. APS Bhadouria / Mr. Praveen Mishra
2:30-3:30PM	Feedback from students	Mr. Shahnawaz Ansari
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. APS Bhadouria / Mr. Praveen Mishra



[Signature]
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[Signature]
 Head of Department
 Mechanical Engineering
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Value Added Course on 3D PRINTING & 3D SCANNING
Objective Test, Date: 31, Aug-2018

Branch:	Mechanical Engineering	
Semester:	VII Semester	Max. Marks-50 Minimum Marks:25
Subject:	3D PRINTING & 3D SCANNING	Time: 1:30Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.	

1. What program did we draw in and import into 123D Design?

- a) Google Draw
- b) Google
- c) Google Drive
- d) Sketchup

2. The inner flat planes of a model are called:

- a) faces
- b) planes
- c) shapes
- d) banana

3. The lines of a model are called:

- a) lines
- b) points
- c) edges
- d) spaces

4. What is one tool we use to fix sharp edges?

- a) chamfer
- b) smooth
- c) part
- d) fix

5. what does 3d mean?

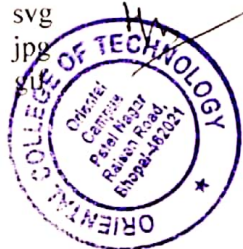
- a) movies
- b) 3 dimensions
- c) stereoscopic
- d) computer graphics

6. What can be 3d?

- a) computer graphics
- b) movies
- c) sculptures
- d) all of the above


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7. Who creates 123D Design?
a) Alias
b) Makerware
c) Autodesk
d) Shapeways
8. Do you have to use 123D Design to 3d print?
a) Yes
b) no
9. What menu do I go to merge objects together?
a) Group
b) Combine
c) Translate
d) Scale
10. What button on the keyboard do we hold to move the camera?
a) shift
b) command
c) control
d) alt/option
11. If I have a model with hands that stand out for the sides what do I have to turn on to print it?
a) Raft
b) Structure
c) Supports
d) Fixtures
12. What tool do we use to cut a hole into a shape?
a) Combine
b) Scale
c) Extrude
d) Translate
13. What is the shortcut to re-size a model?
a) command r
b) command s
c) r
d) s
14. The view cube always rotates things in 3 dimensions except when I turn on:
a) orthographic views
b) flat views
c) architect views
d) camera views
15. What is the file format we would save from Google Drawing?
a) stl
b) svg
c) jpg
d) stl



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16. What is a website we could use to post our models and buy prints from?
- a) Models R Us
 - b) Google Drawing
 - c) Yeggi
 - d) Shapeways
17. Who is the best 3d print teacher? :P
- a) Ms. Mandy
 - b) Ms. Mandy
 - c) Ms. Mandy
 - d) Ms. Mandy
18. What is the most important thing you should consider when making something in 3d?
- a) Size
 - b) Gravity
 - c) Functionality
 - d) Quality
19. What is the first thing you should consider when making something in 3d?
- a) quality
 - b) functionality
 - c) quality
 - d) size
20. What is the file format we export to print?
- a) obj
 - b) stj
 - c) stl
 - d) slt


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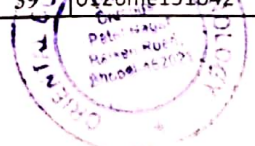
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Department of Mechanical Engineering

Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	27-08-2018	28-08-2018	29-08-2018	30-08-2018	31-08-2018
1	0126EX151015	AMIT RAJ	P	.	P	.P	P
2	0126ME151001	AADARSH RAI	.	P	P	.P	P
3	0126ME151002	ABHISHEK PRASAD PRAJAPATI	P	.	P	.P	P
4	0126ME151004	ABHISHEK VATSH	P	.	P	.P	P
5	0126ME151005	ADARSH CHAUHAN	P	P	.	.P	P
6	0126ME151006	ADARSH KUMAR	P	P	.	.P	P
7	0126ME151007	ADITYA KUMAR	.	P	.	P	.
8	0126ME151008	ADITYA TIWARI	.	.	.	.	.
9	0126ME151009	ADVAET SHARMA	P	.	P	.P	P
10	0126ME151011	AKASH CHOUKSEY	P	P	P	P	.
11	0126ME151013	AKSHAT RAGHUVANSHI	.	P	.	P	P
12	0126ME151014	AKSSHAY SHARMA	P	.	P	.P	P
13	0126ME151015	AMAAN AHMED	P	.	.	.	P
14	0126ME151016	AMAN PATIDAR	-	.	-	.	.
15	0126ME151017	AMRATANSH DUTT CHOUBEY	P	P	P	P	.
16	0126ME151018	ANKIT KUMAR LACHHWANI	P	P	P	.	P
17	0126ME151019	ANKIT SHARMA	P	.	P	P	.
18	0126ME151020	ANKIT SINGH	P	.	P	.	P
19	0126ME151021	ANKUSH TIWARI	-	-	-	-	P
20	0126ME151022	ANSHUL SINGH	P	P	P	.	P
21	0126ME151023	ANSHUMAN PATEL	.	P	.	P	P
22	0126ME151024	ANSUMAN SINGH PATEL	P	P	.	.	P
23	0126ME151025	ANUJ BAGDI	.	.	P	P	.
24	0126ME151026	ANUP KUMAR	P	.	P	P	.
25	0126ME151027	ARPIT SINGHAL	-	.	.	.	.
26	0126ME151028	ARUN KUMAR KAPAIR	-	-	.	.	.
27	0126ME151029	ARYA TIWARI	P	.	P	.	P
28	0126ME151030	ASHISH KAG	P	P	.	.	P
29	0126me151031	ASHISH KUMAR	P	.	P	.	P
30	0126me151032	ASHISH OJHA	P	P	P	.	P
31	0126me151033	ASHISH SINGH	P	P	P	P	.
32	0126me151034	ASHUTOSH DUBEY	-	-	-	-	-
33	0126me151035	ATUL MISHRA	P	.	P	P	P
34	0126me151036	ATUL PANDEY	.	P	.	P	P
35	0126me151037	AVESH NIGAM	P	P	P	.	P
36	0126me151038	BHUPENDRA PATIDAR	P	.	P	P	P
37	0126me151040	CHINMAY BAROLE	-	.	.	.	-
38	0126me151041	DEVRAJ KHIRA	P	P	P	.	.
39	0126me151042	DILKHUSH KUMAR	P	P	.	.	.



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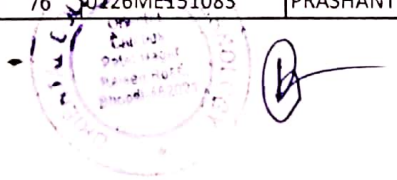


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Department of Mechanical Engineering

Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	27-08-2018	28-08-2018	29-08-2018	30-08-2018	31-08-2018
40	0126me151043	DURGESH CHAUBEY	P	.	P	P	.
41	0126me151044	GAGAN KUTRAHE	.	P	P	P	P
42	0126me151045	GIRDHAR MAGARDE	.	P	P	.	.
43	0126me151046	GAURAV LOVANSHI	P	P	P	.	P
44	0126me151047	GURUDAS YADAV	P	P	P	P	P
45	0126me151048	HARJYOT SINGH	P	P	.	P	P
46	0126me151049	HIMANSHU KUMAR	P	.	P	P	P
47	0126me151050	HUZAIFA NAJMEE	P	P	.	P	P
48	0126me151051	JITESH KUMAR	P	P	P	P	.
49	0126me151052	JUNAID KHAN	P	.	P	P	P
50	0126me151053	KRATIKA JAIN	.	P	.	P	.
51	0126me151054	MADHUR AGRAWAL	.	P	P	.	.
52	0126me151055	MAHAK SAXENA	.	.	P	.	P
53	0126me151056	MANOJ SHARMA	P	.	P	P	.
54	0126me151057	MAYANK DHAR DWIVEDI	P	P	P	.	P
55	0126me151059	MD IKHLAKH	.	P	.	P	.
56	0126me151060	MD. NAZISH	P	P	.	P	P
57	0126ME151062	MOHD RIZWAN	.	.	.	.	.
58	0126ME151065	NEELES RAGHUWANSHI	P	P	.	P	.
59	0126ME151066	NEERAJ KUMAR YADAV	P	.	P	.	P
60	0126ME151067	NIKHIL KUMAR SINGH	P	P	P	P	P
61	0126ME151068	NIKHIL PATIDAR	.	P	P	.	P
62	0126ME151069	NIRANJAN SINGH THAKUR	P	P	.	P	P
63	0126ME151070	NISHANT KUMAR JHA	P	P	.	P	P
64	0126ME151071	PANKAJ CHAURASIA	.	P	P	.	.
65	0126ME151072	PANKAJ DEO PANDEY	P	P	P	.	P
66	0126ME151073	PANKAJ KASHYAP	.	P	.	.	.
67	0126ME151074	PAWAN KUMAR	P	.	P	P	P
68	0126ME151075	PEEYUSH JAIN	.	P	P	.	P
69	0126ME151076	PIYUSH MISHRA	.	P	.	P	.
70	0126ME151077	PRABHAKAR TIWARI	P	.	.	P	.
71	0126ME151078	PRADEEP KUMAR	.	P	P	P	P
72	0126ME151079	PRANSHU KHARE	.	.	P	P	P
73	0126ME151080	PRASAD KOLANGDE	.	.	.	.	.
74	0126ME151081	PRASHANT CHATURVEDI	P	P	.	P	P
75	0126ME151082	PRASHANT KUMAR	P	.	P	.	P
76	0126ME151083	PRASHANT KUMAR	P	P	.	P	P



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Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	27-08-2018	28-08-2018	29-08-2018	30-08-2018	31-08-2018
77	0126ME151084	PREM SNEH	P	P	P		P
78	0126ME151085	PRIYANSHU BAHALIYA		P	P		
79	0126ME151086	RAHUL GUPTA	P			P	P
80	0126ME151087	RAHUL SHRIVASTAVA		P	P	P	
81	0126ME151088	RAJ MEHTA					
82	0126ME151089	RAJAN KUSHWAHA	P	P	P		P
83	0126ME151090	RAJAT CHOUDHA					
84	0126ME151091	RAMAN KOTREY		P		P	P
85	0126ME151092	RAVI PRAKASH PATEL	P	P	P		
86	0126ME151093	RISHABH PANDYA	P		P		P
87	0126ME151095	RITUVENDRA MISHRA	P	P	P	P	P
88	0126ME151096	ROHIT SINGH	P		P	P	P
89	0126ME151097	SAKSHAM SHARMA	P	P	P		P
90	0126ME151098	SALMAN MUSTAFA SIDDIQUI					
91	0126ME151099	SANTOSH KUMAR	P		P		P
92	0126ME151100	SARTHAK VIRHA		P			
93	0126ME151101	SATYAM PODDAR	P	P		P	
94	0126ME151102	SATYAM SHUKLA	P	P	P	P	
95	0126ME151103	SHIVA SONI		P	P	P	P
96	0126ME151104	SHIVAM NAYAK	P	P		P	
97	0126ME151105	SHIVAM SRIVASTAVA		P	P	P	P
98	0126ME151106	SHIVASHRIT TIWARI		P			
99	0126ME151107	SHOUVIK MUKHERJEE	P		P	P	P
100	0126ME151108	SHUBHAM KUMAR		P	P		
101	0126ME151109	SHUBHAM KUMAR	P		P	P	P
102	0126ME151110	SHUBHAM PATHAK	P	P		P	P
103	0126ME151111	SHUBHAM SINGH					
104	0126ME151112	SHUBHAM SINGH	P		P		P
105	0126ME151114	SONU GUPTA	P		P		P
106	0126ME151116	SUDHANSHU KUMAR	P	P	P	P	P
107	0126ME151117	SUDHANSHU TIWARI	P	P	P		P
108	0126ME151118	SYED BASAR KAZMI	P	P			P
109	0126ME151119	TANAY MANDLOI	P		P		P
110	0126ME151120	UPENDRA KUMAR YADAV		P		P	P
111	0126ME151121	VAIBHAV KUMAR	P		P		P
112	0126ME151122	VED PRAKASH RAJPUT		P	P	P	P
113	0126ME151123	VISHAL KUMAR		P	P		P
114	0126ME151124	YASH KUMAR BATHAM	P				
	0126ME151125	YASHRAJ SINGH BAIS					

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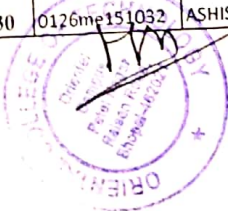
Mechanical Engineering Department

Value Added Course: 3D PRINTING & 3D SCANNING [27-31, Aug-2018]

Course Code: ME 40001

ASSESSMENT SHEET

Sr.No.	Enroll NO.	Name of Student	Class Room Assessment Score (Marks/50)	Objective Test Score (Marks/50)	Total Score	Eligible to Receive Certificate or not
1	0126EX151015	AMIT RAJ	38	40	78	Eligible
2	0126ME151001	AADARSH RAI	35	35	70	Eligible
3	0126ME151002	ABHISHEK PRASAD PRAJAPATI	32	45	77	Eligible
4	0126ME151004	ABHISHEK VATSH	31	47.5	78.5	Eligible
5	0126ME151005	ADARSH CHAUHAN	42	40	82	Eligible
6	0126ME151006	ADARSH KUMAR	42	40	82	Eligible
7	0126ME151007	ADITYA KUMAR	45	47.5	92.5	Eligible
8	0126ME151008	ADITYA TIWARI	A	A	A	Not Eligible
9	0126ME151009	ADVAET SHARMA	35	40	75	Eligible
10	0126ME151011	AKASH CHOUKSEY	37	40	77	Eligible
11	0126ME151013	AKSHAT RAGHUVANSHI	32	45	77	Eligible
12	0126ME151014	AKSSHAY SHARMA	31	47.5	78.5	Eligible
13	0126ME151015	AMAAN AHMED	42	40	82	Eligible
14	0126ME151016	AMAN PATIDAR	A	A	A	Not Eligible
15	0126ME151017	AMRATANSH DUTT CHOUBEY	38	40	78	Eligible
16	0126ME151018	ANKIT KUMAR LACHHWANI	32	45	77	Eligible
17	0126ME151019	ANKIT SHARMA	31	47.5	78.5	Eligible
18	0126ME151020	ANKIT SINGH	42	40	82	Eligible
19	0126ME151021	ANKUSH TIWARI	A	A	A	Not Eligible
20	0126ME151022	ANSHUL SINGH	26	40	66	Eligible
21	0126ME151023	ANSHUMAN PATEL	28	40	68	Eligible
22	0126ME151024	ANSUMAN SINGH PATEL	35	42.5	77.5	Eligible
23	0126ME151025	ANUJ BAGDI	32	45	77	Eligible
24	0126ME151026	ANUP KUMAR	32	45	77	Eligible
25	0126ME151027	ARPIT SINGHAL	A	A	A	Not Eligible
26	0126ME151028	ARUN KUMAR KAPAIR	A	A	A	Not Eligible
27	0126ME151029	ARYA TIWARI	30	30	60	Eligible
28	0126ME151030	ASHISH KAG	35	35	70	Eligible
29	0126me151031	ASHISH KUMAR	32	45	77	Eligible
30	0126me151032	ASHISH OJHA	31	47.5	78.5	Eligible



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31	0126me151033	ASHISH SINGH	42	40	82	Eligible
32	0126me151034	ASHUTOSH DUBEY	A	A	A	Not Eligible
33	0126me151035	ATUL MISHRA	32	45	77	Eligible
34	0126me151036	ATUL PANDEY	31	47.5	78.5	Eligible
35	0126me151037	AVESH NIGAM	42	40	82	Eligible
36	0126me151038	BHUPENDRA PATIDAR	35	35	70	Eligible
37	0126me151040	CHINMAY BAROLE	A	A	A	Not Eligible
38	0126me151041	DEVRAJ KHIRA	32	45	77	Eligible
39	0126me151042	DILKHUSH KUMAR	38	40	78	Eligible
40	0126me151043	DURGESH CHAUBEY	35	35	70	Eligible
41	0126me151044	GAGAN KUTRAHE	32	45	77	Eligible
42	0126me151045	GIRDHAR MAGARDE	31	47.5	78.5	Eligible
43	0126me151046	GAURAV LOVANSHI	42	40	82	Eligible
44	0126me151047	GURUDAS YADAV	35	35	70	Eligible
45	0126me151048	HARIYOT SINGH	32	45	77	Eligible
46	0126me151049	HIMANSHU KUMAR	32	45	77	Eligible
47	0126me151050	HUZAIFA NAJMEE	31	47.5	78.5	Eligible
48	0126me151051	JITESH KUMAR	42	40	82	Eligible
49	0126me151052	JUNAID KHAN	35	42.5	77.5	Eligible
50	0126me151053	KRATIKA JAIN	38	40	78	Eligible
51	0126me151054	MADHUR AGRAWAL	32	45	77	Eligible
52	0126me151055	MAHAK SAXENA	31	47.5	78.5	Eligible
53	0126me151056	MANOJ SHARMA	35	35	70	Eligible
54	0126me151057	MAYANK DHAR DWIVEDI	32	45	77	Eligible
55	0126me151059	MD IKHLAKH	38	40	78	Eligible
56	0126me151060	MD. NAZISH	37	40	77	Eligible
57	0126ME151062	MOHD RIZWAN	A	A	A	Not Eligible
58	0126ME151065	NEELES RAGHUWANSHI	35	35	70	Eligible
59	0126ME151066	NEERAJ KUMAR YADAV	32	45	77	Eligible
60	0126ME151067	NIKHIL KUMAR SINGH	38	40	78	Eligible
61	0126ME151068	NIKHIL PATIDAR	26	40	66	Eligible
62	0126ME151069	NIRANJAN SINGH THAKUR	37	40	77	Eligible
63	0126ME151070	NISHANT KUMAR JHA	35	42.5	77.5	Eligible
64	0126ME151071	PANKAJ CHAURASIA	32	45	77	Eligible
65	0126ME151072	PANKAJ DEO PANDEY	31	47.5	78.5	Eligible
66	0126ME151073	PANKAJ KASHYAP	35	35	70	Eligible



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67	0126ME151074	PAWAN KUMAR	42	40	77	Eligible
68	0126ME151075	PEEYUSH JAIN	38	40	78	Eligible
69	0126ME151076	PIYUSH MISHRA	35	35	70	Eligible
70	0126ME151077	PRABHAKAR TIWARI	32	45	77	Eligible
71	0126ME151078	PRADEEP KUMAR	38	40	78	Eligible
72	0126ME151079	PRANSHU KHARE	40	42.5	82.5	Eligible
73	0126ME151080	PRASAD KOLANGDE	A	A	A	Not Eligible
74	0126ME151081	PRASHANT CHATURVEDI	26	40	66	Eligible
75	0126ME151082	PRASHANT KUMAR	35	35	70	Eligible
76	0126ME151083	PRASHANT KUMAR	35	42.5	77.5	Eligible
77	0126ME151084	PREM SNEH	32	45	77	Eligible
78	0126ME151085	PRIYANSHU BAHELIYA	32	45	77	Eligible
79	0126ME151086	RAHUL GUPTA	31	47.5	78.5	Eligible
80	0126ME151087	RAHUL SHRIVASTAVA	42	40	82	Eligible
81	0126ME151088	RAJ MEHTA	42	45	77	Eligible
82	0126ME151089	RAJAN KUSHWAHA	32	45	77	Eligible
83	0126ME151090	RAJAT CHOUDHA	40	42.5	82.5	Eligible
84	0126ME151091	RAMAN KOTREY	A	A	A	Not Eligible
85	0126ME151092	RAVI PRAKASH PATEL	32	45	77	Eligible
86	0126ME151093	RISHABH PANDYA	38	40	78	Eligible
87	0126ME151095	RITUVENDRA MISHRA	31	47.5	78.5	Eligible
88	0126ME151096	ROHIT SINGH	40	42.5	82.5	Eligible
89	0126ME151097	SAKSHAM SHARMA	35	35	70	Eligible
90	0126ME151098	SALMAN MUSTAFA SIDDIQUI	42	40	82	Eligible
91	0126ME151099	SANTOSH KUMAR	A	A	A	Not Eligible
92	0126ME151100	SANTOSH KUMAR	35	42.5	77.5	Eligible
93	0126ME151101	SANTOSH KUMAR	26	40	66	Eligible
94	0126ME151102	SANTOSH KUMAR	26	40	66	Eligible
95	0126ME151103	SANTOSH KUMAR	32	45	77	Eligible
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99	0126ME151107	SANTOSH KUMAR	31	47.5	78.5	Eligible
100	0126ME151108	SANTOSH KUMAR	42	40	82	Eligible
101	0126ME151109	SANTOSH KUMAR	42	40	82	Eligible
102	0126ME151110	SANTOSH KUMAR	40	42.5	82.5	Eligible
			38	40	78	Eligible

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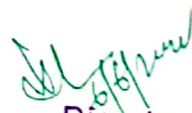
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104	0126ME151112	SHUBHAM SINGH	31	47.5	78.5	Eligible
105	0126ME151114	SONU GUPTA	42	40	82	Eligible
106	0126ME151116	SUDHANSHU KUMAR	35	35	70	Eligible
107	0126ME151117	SUDHANSHU TIWARI	38	40	78	Eligible
108	0126ME151118	SYED BASAR KAZMI	31	47.5	78.5	Eligible
109	0126ME151119	TANAY MANDLOI	32	45	77	Eligible
110	0126ME151120	UPENDRA KUMAR YADAV	31	47.5	78.5	Eligible
111	0126ME151121	VAIBHAV KUMAR	35	35	70	Eligible
112	0126ME151122	VED PRAKASH RAJPUT	31	47.5	78.5	Eligible
113	0126ME151123	VISHAL KUMAR	35	35	70	Eligible
114	0126ME151124	YASH KUMAR BATHAM	42	40	82	Eligible
115	0126ME151125	YASHRAJ SINGH BAIS	A	A	A	Not Eligible



Head of Department

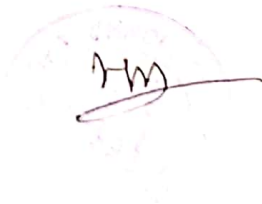
Mr.

Oriental College of Technology, Bhopal



Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



COURSE EVALUATION/ FEEDBACK FORM

Value Added Course	3D PRINTING & 3D SCANNING
Date:	27-31, Aug-2018
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Shahnawaz Ansari

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

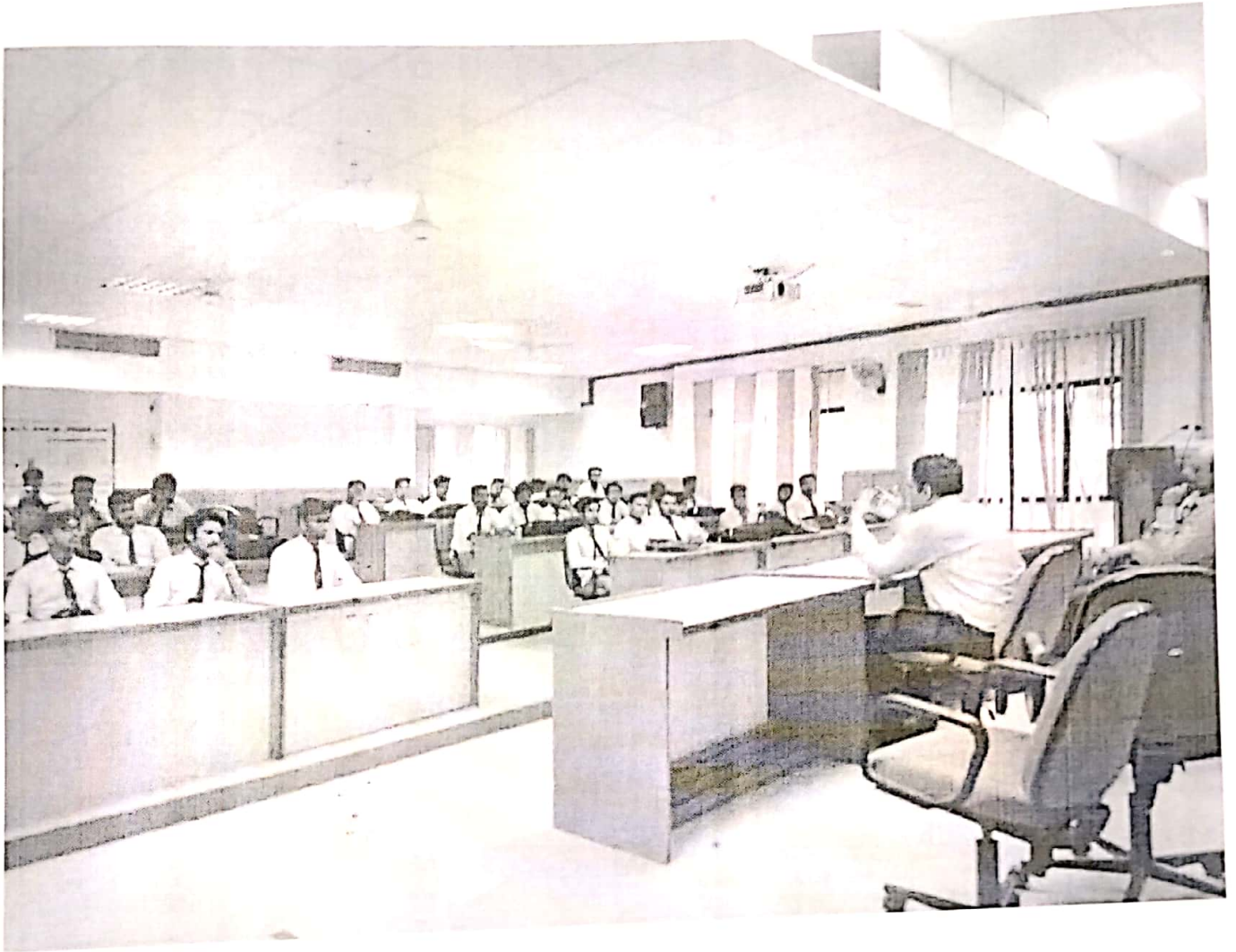
4= Strongly Agree 3= Agree 2= Disagree 1= Strongly Disagree

1. The Course objectives were stated clearly and met.	(4) 3 2 1
2. The Course was well organized.	4 (3) 2 1
3. The information and/or skills presented were relevant and useful	4 (3) 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	(4) 3 2 1
5. The presenter(s) allowed me to work with and learn from others.	4 (3) 2 1
6. The materials provided were sufficient & appropriate for the program.	4 (3) 2 1
7. The physical arrangements were adequate.	(4) 3 2 1




 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
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3D Printing & 3D Scanning”
August 27, to August 31, 2018.



Handwritten signature

Director

Oriental College of Techn.
Thakral Nagar, Raisen Road
Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL


[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) [INDIA]



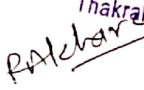
Session: 2018-19

Department of Mechanical Engineering CERTIFICATE

This is to certify that Mr./Ms. NISHANT KUMAR JHA of VII Sem, OCT, Bhopal, has Completed the "Value Added Course" on "3D Printing and 3D Scanning" during 27-31 Aug-2018, organized by Department of Mechanical Engineering, Oriental College of Technology, Bhopal.


Co-Ordinator, ME, OCT


HOD, ME, OCT


Director, OCT


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Mechanical Engineering



Report on Value Added Course on "3D Printing & 3D Scanning"

Venue: ME, OCT Campus.

Date and Time: August 27, to August 31, 2018.

Organized by: ME, OCT, Bhopal.

Name of the Speakers

Mr. Shahnawaz Ansari, Assistant Professor, ME, OCT

Mr. Praveen Mishra, Assistant Professor, ME, OCT &

Mr. APS Bhadouria, Assistant Professor, ME, OCT

Participants Details: Final year students of Mechanical Engineering Dept.

Summary of the Event

The Value added course Plays an important role in Strengthening the technical skills of undergraduates. In the race of making good and bright career in short span of time, most of the time students neglect the aim and the need of education. In view of this changing pattern and condition of youth education in India, and to guide students on different topics which are not covered under the defined academic syllabus, the Mechanical Engineering Department of Oriental College of Technology in had organized "Value Added Course 3D Printing & 3D Scanning" from November 14, to November 19, 2016 for the students of final year .

This Course syllabus was covered by Mr. Shahnawaz Ansari, Assistant Professor, ME, OCT Mr. Praveen Mishra, Assistant Professor, ME, OCT and Mr. APS Bhadouria, Assistant Professor, ME, OCT in 30 Hrs. of 5-Day program.

On **August 27**, the course started with the inaugural and presidential speech of Dr. Ranjeeta Khare,

Director of Oriental College of Technology. In his presidential speech she emphasized on the need to collaborate the academic and the non academic education.




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On **August 27**, Mr. Shahnawaz Ansari, Course coordinator has given Introduction to 3D Printing & 3D Scanning with Simple Programming Task. Mr. Praveen Mishra, guided all students on the topic of Commonly used terms. Post processing, RP data formats, Classification of AMT process, Applications to various fields explained by Mr. APS Bhadouria. He had explained the need for every student to have skills to get a job.

On **August 28**, Mr. Praveen Mishra, explained, Stereo lithography apparatus (SLA): Models and specifications post photopolymers, polymerization, layering technology, laser and laser scanning explained by Mr. APS Bhadouria. Later Models and specifications explained by Mr. Shahnawaz Ansari.

On **August 29**, Mr. APS Bhadouria taught Laminated object manufacturing. Fused Deposition Modeling (FDM) explained by Mr. Praveen Mishra and Case studies, practical demonstration explained by Mr. Shahnawaz Ansari.

On **August 30**, Mr. Praveen Mishra explained, selective laser sintering (SLS) and case studies. Mr. APS Bhadouria guided, students for Three dimensional printing (3DP). Models and specification, explained by Mr. Shahnawaz Ansari. Practice sessions taken by the all speakers also given assignment to students on the same,

On **August 31**, Mr. Shahnawaz Ansari, has given assignment to students on Fused Deposition Modeling (FDM) & Selective laser sintering (SLS) after that assessment of class done. Valedictory & Certificate distribution done by . Mr. Praveen Mishra and Mr. APS Bhadouria.

At last, Prof. Netra Pal Singh, Head ME, Convenor of Course gave away the vote of thank. He thanked Mr. Shahnawaz Ansari for providing his valuable time for successful conduction of this course for our students. He also thanked Mr. Praveen Mishra & Mr. APS Bhadouria for addressing the student audience on the said topic. At the end he thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Netra Pal Singh
Course Convenor




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