



Oriental College Of Technology, Bhopal

Date: 17 June 2014

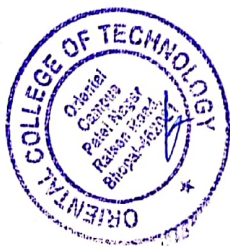
Policy of Value Added Course

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.

Prithvi
17/06/14
Director, OCT

Copy to:

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



Prithvi
6/6/14
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Registration Form

Name:

Enrollment No.....

Branch:

Semester:

Address.....

.....

.....

.....

.....

City & Pin.....

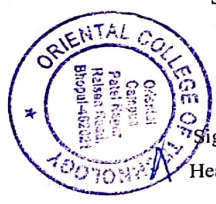
E-mail id.....

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. Naveen Kumar Agrawal
 Director, OCT, Bhopal

CONVENOR

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

COURSE COORDINATOR

Mr. Kuldeep Chaurasia
 Mr. Pradeep Mishra
 Mobile: +91992617094

ORGANISING COMMITTEE MEMBERS

Mr. Sourabh Jain
 Mr. Pradeep Mishra

CONTACT

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 Mr. Amit Dubey
 Mobile: +919039911014

**Oriental College of Technology,
Bhopal**



Value Added Course

On
"C and C++"
 [19-23, September, 2016]
 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

(Signature)
 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.
- ✓ Hands on session of programming in C and C++.

ELIGIBILITY

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

REGISTRATION

- ✓ No Registration fees.

SPEAKERS

Mr. Kuldeep Chaurasia
Assistant Professor, Dept CSE, OCT Bhopal



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



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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

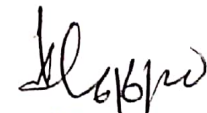
Module 5

Pre-Processor Directives, Command Line Arguments and Variable Arguments


Faculty Coordinator


Head of Department




Director
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SCHEDULE- Value Added Course on C and C++ (CSE 20001)

5 Days Value Added Course on C and C++ (19-Sep-2016 To 23-Sep-2016)

19 Sep 2016- Day-1

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

20 Sep 2016- Day-2

Time	Session	Teacher
9:00-11:00AM	Practice Session on Flow of Control	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Introducing the working with functions and arrays	Mr. Kuldeep Chaurasia
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session on Functions and Arrays	Mr. Kuldeep Chaurasia

21 Sep 2016- Day-3

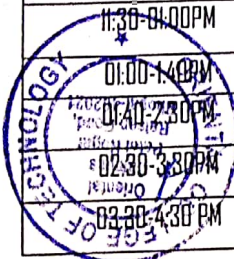
Time	Session	Teacher
9:00-11:00AM	Working with Pointers and String handling	Mr. Pradeep Mishra
11:00-11:30AM	Break	
11:30-01:00PM	Practice session on programming with pointers	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session on String Handling	Mr. Kuldeep Chaurasia

22 Sep 2016- Day-4

Time	Session	Teacher
9:00-11:00AM	Structures, Unions and File handling	Mr. Kuldeep Chaurasia
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 on File Handling	Mr. Pradeep Mishra

23 Sep 2016- Day-5

Time	Session	Teacher
9:00-11:00AM	Introducing Pre-processor Directives, Command line and Variable Arguments	Mr. Pradeep Mishra
11:00-11:30AM	Break	
11:30-01:00PM	Assessment	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	
01:40-2:30PM	Practice of overall session	Mr. Kuldeep Chaurasia
02:30-3:30PM	Feedback from students	Mr. Kuldeep Chaurasia
03:30-4:30 PM	Valedictory & Certificate distribution	Mr. Kuldeep Chaurasia



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Department
Computer Science & Engineering
Oriental College of Technology



Oriental College of Technology, Bhopal
Department of Computer Science and Engineering

Marks Scored: _____

Semester: III Subject Name/Code: C and C++ (CSE20001) Max Marks: 50

Name of Student: _____ Enrollment No: _____

1 - A user defined header file is included by following statement in general.

- A - #include "file.h"
- B - #include <file.h>
- C - #include <file>
- D - #include file.h

2 A protected member of the class is accessible in

- A - Only same class
- B - Same class and derived class
- C - Outside the class
- D - None of the above.

3 - Choose the Object oriented programming language from below.

- A - C++
- B - Small talk
- C - Simula
- D - All the above.

4 - What is the full form of RTTI.

- A - Runtime type identification
- B - Runtime template identification
- C - Robust Template Type Inheritance
- D - None of the above.

5- Identify the C++ compiler of Linux

- A - cpp
- B - g++
- C - Borland
- D - vc++

6 The operator used for dereferencing or indirection is ____

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



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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

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.

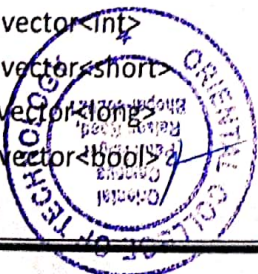
- a) you only need to write one function, and it will work with many different types
- b) it will take a long time to execute
- c) duplicate code is increased
- d) it will take a long time to execute & duplicate code is increased

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>



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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
- 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-This set of C++ Programming Multiple Choice Questions & Answers (MCQs) focuses on "Constructors and Destructors - 1".



Signature
Director
Oriental College of Technology
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Bhopal

C & C++ Syllabus (CSE 20001) Answers

1. A
2. B
3. D
4. A
5. A
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. C
23. D
24. C
25. d



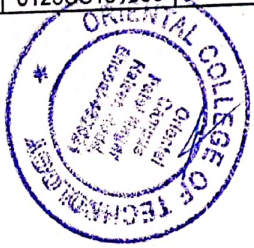
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Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Oriental College of Technology, Bhopal
Department of Computer science & Engg
Attendance sheet

S.No	Enrollment No.	Student Name					
1	0126CS151001	AAKASH SHUKLA	A	Akash	Akash	Akash	Akash
2	0126CS151002	AAYUSH MALAIYA	Aayush	Aayush	Aayush	Aayush	Aayush
3	0126CS151003	ABHISHEK ANAND	AA	AA	A	AA	AA
4	0126CS151004	ABHISHEK DWIVEDI	Abhishek	Abhishek	Abhishek	Abhishek	A
5	0126CS151005	ADITI AGRAWAL	A	Adarsh	Adarsh	Adarsh	Adarsh
6	0126CS151006	ADITI SHARMA	Aditi	Aditi	Aditi	Aditi	Aditi
7	0126CS151007	AFZA ANSARI	Afza	A	Afza	Afza	Afza
8	0126CS151008	AJAY RAWAT	Ajay	Ajay	Ajay	Ajay	Ajay
9	0126CS151009	AKSHAY CHOUREY	Akshay	A	Akshay	A	Akshay
10	0126CS151010	ALOK PANDEY	Alok	Alok	Alok	Alok	A
11	0126CS151011	AMAN DULHANI	Aman	Aman	Aman	Aman	Aman
12	0126CS151012	AMBIKA SINGH	Ambika	Ambika	Ambika	Ambika	Ambika
13	0126CS151013	ANANYA PRAKASH	AP	A	AP	AP	AP
14	0126CS151014	ANANYA SHIVHARE	Ananya	Ananya	Ananya	Ananya	Ananya
15	0126CS151015	ANIKET SHUKLA	Aniket	A	Aniket	Aniket	Aniket
16	0126CS151016	ANISH SUNDARANI	Anish	Anish	Anish	Anish	Anish
17	0126CS151017	ANKIT LANJEWAR	Ankit	A	Ankit	Ankit	Ankit
18	0126CS151018	ANKIT KESHARI	Ankit	Ankit	Ankit	Ankit	A
19	0126CS151019	ANKIT SINGH	AS	AS	AS	AS	AS
20	0126CS151020	APURV RANJAN	Apurv	Apurv	Apurv	Apurv	Apurv
21	0126CS151021	ARPIT JAIN	A	A	A	A	A
22	0126CS151022	ARUN KUMAR RAI	Arun	Arun	Arun	Arun	Arun
23	0126CS151024	ASHISH TIWARI	AT	AT	AT	AT	AT
24	0126CS151025	AVINASH SHARMA	AS	AS	AS	AS	AS
25	0126CS151026	AVNEESH TIWARI	A	A	A	A	A
26	0126CS151027	BHOOMIKA MALVIYA	Bhoomika	Bhoomika	Bhoomika	Bhoomika	Bhoomika
27	0126CS151028	CHANDRA BHUSHAN	Chandra	Chandra	Chandra	Chandra	A
28	0126CS151029	CHETNA BHALROY	Chetna	Chetna	Chetna	Chetna	Chetna
29	0126CS151030	CHIRAYU	A	A	A	A	A



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 Bhopal

Head of Department
 Computer Science & Engineering

30	0126CS151031	DEEPALI GUPTA	Deepali	Deepali	Deepali	Deepali	Deepali
31	0126CS151032	DEVASHISH	Devashish	Devashish	Devashish	Devashish	A
32	0126CS151033	DEVIK NAYAK	Devi K	Devi K	Devi K	Devi K	Devi K
33	0126CS151034	DHARMENDRA LODHI	A	A	A	A	A
34	0126CS151035	DIKSHA SAWARN	Diksha	Diksha	Diksha	Diksha	Diksha
35	0126CS151036	DIPANSHEE NAKADE	Dipanshee	Dipanshee	Dipanshee	Dipanshee	Dipanshee
36	0126CS151037	DIVYA BAJPAI	Divya	Divya	Divya	Divya	Divya
37	0126CS151038	DIVYANSH PODDAR	Divyansh	Divyansh	A	Divyansh	Divyansh
38	0126CS151039	GARIMA GANGRADE	Garima	Garima	Garima	A	Garima
39	0126CS151040	GAUTAM NARAYAN	A	A	A	A	A
40	0126CS151041	HARSH RAJAN	Harsh	Harsh	Harsh	A	Harsh
41	0126CS151042	HEMADRI TEMBHARE	Hemadri	Hemadri	Hemadri	A	Hemadri
42	0126CS151044	HITALI SHRIVASTAVA	Hitalli	Hitalli	Hitalli	Hitalli	A
43	0126CS151045	JATIN UDIWAL	Jatin	Jatin	Jatin	Jatin	Jatin
44	0126CS151046	JAYA GOUR	Jaya	Jaya	Jaya	Jaya	Jaya
45	0126CS151047	JYOTSNA TIWARI	Jyotsna	Jyotsna	Jyotsna	A	Jyotsna
46	0126CS151048	KHUSHBOO SONONE	Khushboo	Khushboo	A	Khushboo	Khushboo
47	0126CS151049	KOMAL SHRESTHA	Komal	Komal	Komal	Komal	Komal
48	0126CS151050	KUMAR ALOK	A	A	A	A	A
49	0126CS151051	LOKESH JAIN	Lokesh	Lokesh	Lokesh	Lokesh	Lokesh
50	0126CS151052	MADEEHA MASOOD	Madeeha	Madeeha	Madeeha	A	Madeeha
51	0126CS151053	MANDVI CHOUHAN	MC	MC	MC	MC	MC
52	0126CS151054	MANISH BHARGAVA	Manish	Manish	A	Manish	Manish
53	0126CS151055	MANISH CHANCHAL	A	MC	MC	MC	MC
54	0126CS151056	MANISH KUMAR	MC	MC	MC	A	MC
55	0126CS151057	MANISH KUMAR JHA	Manish	Manish	Manish	Manish	Manish
56	0126CS151058	MAYANK SINGH	Mayank	Mayank	Mayank	A	Mayank
57	0126CS151059	MEGHA KUMARI	Meagan	Meagan	Meagan	Meagan	Meagan
58	0126CS151060	MOHD AHMED KHAN	MA	MA	MA	A	MA



6/11/20

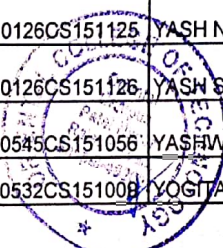
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Bhopal

59	0126CS151061	MOHD SAEED KHAN	Khan	Khan	Khan	Khan	Khan
60	0126CS151062	MD SHERIFF	M Sheriff	M Sheriff	A	M Sheriff	A
61	0126CS151063	MOHIT KUMAR YADAV	M Yadav	M Yadav	M Yadav	A	M Yadav
62	0126CS151064	NEETA DHOTE	Neeta	Neeta	Neeta	Neeta	Neeta
63	0126CS151065	NEHA SANGWAN	Neha	Neha	Neha	Neha	Neha
64	0126CS151066	NIDHI CHATURVEDI	Nidhi	Nidhi	Nidhi	A	Nidhi
65	0126CS151067	NISHIT R ACHARYA	Nishit	Nishit	Nishit	Nishit	A
66	0126CS151068	NOORAS ASLAM	Noor	Noor	Noor	Noor	A
67	0126CS151069	NOORJAHAN	Noor	Noor	A	Noor	Noor
68	0126CS151070	PARNIKA VYAS	Parnika	Parnika	Parnika	Parnika	A
69	0126CS151072	PARUL PARDHI	PR	PR	PR	PR	PR
70	0126CS151073	PIYUSH KUMAR	Piyush	Piyush	Piyush	Piyush	Piyush
71	0126CS151074	POOJA KASHYAP	Pooja	Pooja	Pooja	Pooja	Pooja
72	0126CS151075	PRACHI SONARE	Prachi	Prachi	Prachi	A	Prachi
73	0126CS151076	PRANALI PAWAR	Pranali	Pranali	A	Pranali	Pranali
74	0126CS151077	PRANJALI DHANNA	Pran	PDhan	Pran	PDhan	Pran
75	0126CS151078	PRATEEK SHUKLA	Prateek	Prateek	Prateek	Prateek	Prateek
76	0126CS151079	PRATIK KUMAR	Pratik	Pratik	A	Pratik	Pratik
77	0126CS151080	PRIYADARSHANI	Priya	Priya	Priya	Priya	Priya
78	0126CS151081	PRIYAL JAIN	Priyal	Priyal	Priyal	Priyal	A
79	0126CS151082	PRIYAL MAHESHWARI	Priyal	Priyal	Priyal	A	Priyal
80	0126CS151083	PUNEET PARVE	A	A	A	A	A
81	0126CS151084	PURVI MISHRA	Purvi	Purvi	Purvi	Purvi	A
82	0126CS151085	RAHUL JHAMTANI	Rahul	Rahul	Rahul	Rahul	Rahul
83	0126CS151086	RAHUL KUMAR	Rahul	Rahul	Rahul	Rahul	Rahul
84	0126CS151087	RAHUL KUMAR	RK	RK	RK	RK	RK
85	0126CS151088	RAMJI SHRIVASTAVA	Ramji	Ramji	A	Ramji	Ramji
86	0126CS151089	RISHABH SHUKLA	Rishab	Rishab	Rishab	Rishab	Rishab
87	0126CS151090	RITIK RATHORE	Ritik	Ritik	Ritik	A	Ritik
88	0126CS151091	RITVIKA BHADORIA	Ritvik	Ritvik	Ritvik	Ritvik	Ritvik
89	0126CS151092	RIYA SHRIVASTAV	Riya	Riya	Riya	A	Riya
90	0126CS151093	ROHIT KUMAR	Rohit	Rohit	Rohit	Rohit	Rohit



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91	0126CS151094	SAAD AHMED	Saad	Saad	Saad	Saad	A
92	0126CS151095	SACHIN GUPTA	Sachin	Sachin	Sachin	A	Sachin
93	0126CS151096	SAGAR SHRIVASTAVA	Sagar	Sagar	Sagar	Sagar	A
94	0126CS151097	SAKSHI AGRAWAL	Sakshi	Sakshi	Sakshi	A	Sakshi
95	0126CS151098	SAMEEKSHA DWIVEDI	SD	SD	SD	SD	SD
96	0126CS151099	SAMRIDDHI TIWARI	Siwari	Siwari	Siwari	Siwari	Siwari
97	0126CS151100	SANGEETA MANDAL	Sangeeta	Sangeeta	A	Sangeeta	Sangeeta
98	0126CS151101	SHAISTA KALIMI	Shaista	Shaista	A	Shaista	Shaista
99	0126CS151102	SHASHANK	Shashank	Shashank	Shashank	A	Shashank
100	0126CS151103	SHATAKSHI PANDEY	A	A	A	A	A
101	0126CS151104	SHIRISH KUMAR PANDEY	Shirish	Shirish	Shirish	Shirish	A
102	0126CS151105	SHIVANGI NIGAM	Shivangi	Shivangi	Shivangi	A	Shivangi
103	0126CS151106	SHREYASH SONI	Shreyash	A	Shreyash	Shreyash	Shreyash
104	0126CS151107	SHUBHAM BHARADWAJ	SB	SB	SB	SB	SB
105	0126CS151108	SHUBHAM SAHU	Shubham	Shubham	Shubham	Shubham	Shubham
106	0126CS151109	SHUBHANSHU GUPTA	Shubhan	Shubhan	Shubhan	A	Shubhan
107	0126CS151110	SIDDHI BALA PATEL	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi
108	0126CS151111	SOMYA SINHA	Somya	Somya	Somya	Somya	Somya
109	0126CS151112	SONAL ANAND	Sonal	Sonal	Sonal	Sonal	A
110	0126CS151113	SOURABH SINGH	Sourabh	Singh	Singh	Singh	Singh
111	0126CS151114	SRISHTI SHARMA	Srishti	Srishti	Srishti	Srishti	Srishti
112	0126CS151115	SRISHTI SHASTRI	Shashi	Shastri	Shastri	A	Shastri
113	0126CS151116	SURBHI GUPTA	Surbhi	Surbhi	Surbhi	A	Surbhi
114	0126CS151117	SWAPNIL GOYAL	SG	SG	SG	SG	A
115	0126CS151118	URJA UDAYSHANKAR	Urja	Urja	Urja	Urja	Urja
116	0126CS151119	VAIBHAV KHANDELWAL	Vaibhav	Vaibhav	A	Vaibhav	Vaibhav
117	0126CS151120	VAIBHAV ONKARI	A	A	A	A	A
118	0126CS151121	VAIBHAV WAJHAL	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
119	0126CS151122	VISHWARAJ YADAV	Yadav	Yadav	Yadav	A	Yadav
120	0126CS151123	VIVEK VAISHNAV	A	A	A	A	A
121	0126CS151124	YASH BHAYRE	Yash	Yash	Yash	Yash	Yash
122	0126CS151125	YASH NARKHEDE	Yash	Yash	A	Yash	Yash
123	0126CS151126	YASH SHRIVASTAVA	Yash	Yash	Yash	Yash	Yash
124	0545CS151056	YASHWINI BARASKAR	Yashwini	Yashwini	Yashwini	Yashwini	A
125	0532CS151009	YOGITA SIHANI (Transf)	Yogita	Yogita	A	Yogita	Yogita



6/6/20
 Jankal College of Technology
 Jankal Road, Kalsan Road
 Bhopal

Oriental College of Technology, Bhopal
Computer Science & Engineering Department
Value Added Course: C and C++, 19-23 Sept 2016

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	0126CS151001	AAKASH SHUKLA	30	30	60	Eligible
2	0126CS151002	AAYUSH MALAIYA	35	35	70	Eligible
3	0126CS151003	ABHISHEK ANAND	42	40	82	Eligible
4	0126CS151004	ABHISHEK DWIVEDI	38	40	78	Eligible
5	0126CS151005	ADITI AGRAWAL	37	40	77	Eligible
6	0126CS151006	ADITI SHARMA	35	45	80	Eligible
7	0126CS151007	AFZA ANSARI	45	44	89	Eligible
8	0126CS151008	AJAY RAWAT	35	40	75	Eligible
9	0126CS151009	AJAY RAWAT	30	30	60	Eligible
10	0126CS151010	AKSHAY CHOUREY	35	35	70	Eligible
11	0126CS151011	ALOK PANDEY	42	40	82	Eligible
12	0126CS151012	AMAN DULHANI	38	40	78	Eligible
13	0126CS151012	AMBIKA SINGH	38	40	78	Eligible
14	0126CS151013	ANANYA PRAKASH	37	40	77	Eligible
15	0126CS151013	ANANYA SHIVHARE	35	45	80	Eligible
16	0126CS151014	ANANYA SHIVHARE	35	35	70	Eligible
17	0126CS151015	ANIKET SHUKLA	42	40	82	Eligible
18	0126CS151016	ANISH SUNDARANI	38	40	78	Eligible
19	0126CS151017	ANKIT LANJEWAR	38	40	78	Eligible
20	0126CS151018	ANKIT KESHARI	38	40	78	Eligible
21	0126CS151019	ANKIT SINGH	37	40	77	Eligible
22	0126CS151020	APURV RANJAN	35	45	80	Eligible
23	0126CS151021	ARPIT JAIN	A	A	0	Not Eligible
24	0126CS151022	ARUN KUMAR RAI	38	40	78	Eligible
25	0126CS151024	ASHISH TIWARI	37	40	77	Eligible
26	0126CS151025	ASHISH TIWARI	37	45	80	Eligible
27	0126CS151026	AVINASH SHARMA	35	A	0	Not Eligible
28	0126CS151026	AVNEESH TIWARI	A	A	0	Not Eligible
29	0126CS151027	BHOOMIKA MALVIYA	38	40	78	Eligible
30	0126CS151028	BHOOMIKA MALVIYA	38	40	78	Eligible
31	0126CS151028	CHANDRA BHUSHAN	37	40	77	Eligible
32	0126CS151029	CHETNA BHALROY	35	45	80	Eligible
33	0126CS151030	CHIRAYU	A	A	0	Not Eligible
34	0126CS151031	DEEPALI GUPTA	38	40	78	Eligible
35	0126CS151032	DEEVASHISH	37	40	77	Eligible
36	0126CS151033	DEVASHISH	37	40	77	Eligible
37	0126CS151033	DEVIK NAYAK	35	45	80	Eligible
38	0126CS151034	DHARMENDRA LODHI	A	A	0	Not Eligible
39	0126CS151035	DHARMENDRA LODHI	A	A	0	Not Eligible
40	0126CS151035	DIKSHA SAWARN	38	40	78	Eligible
41	0126CS151036	DIKSHA SAWARN	38	40	78	Eligible
42	0126CS151036	DIPANSHEE NAKADE	37	40	77	Eligible
43	0126CS151037	DIPANSHEE NAKADE	37	40	77	Eligible
44	0126CS151037	DIVYA BAJPAI	35	45	80	Eligible
45	0126CS151038	DIVYANSH PODDAR	45	44	89	Eligible
46	0126CS151039	DIVYANSH PODDAR	45	44	89	Eligible
47	0126CS151039	GARIMA GANGRADE	35	40	75	Eligible
48	0126CS151040	GARIMA GANGRADE	35	40	75	Eligible
49	0126CS151040	GAUTAM NARAYAN	A	A	0	Not Eligible
50	0126CS151041	GAUTAM NARAYAN	A	A	0	Not Eligible
51	0126CS151041	HARSH RAJAN	30	30	60	Eligible
52	0126CS151042	HARSH RAJAN	30	30	60	Eligible
53	0126CS151042	HEMADRI TEMBHARE	35	35	70	Eligible
54	0126CS151044	HITALI SHRIVASTAVA	42	40	82	Eligible
55	0126CS151045	HITALI SHRIVASTAVA	42	40	82	Eligible
56	0126CS151045	JATIN UDIWAL	38	40	78	Eligible
57	0126CS151046	JATIN UDIWAL	38	40	78	Eligible
58	0126CS151046	JAYA GOUR	37	40	77	Eligible
59	0126CS151047	JYOTSNA TIWARI	35	45	80	Eligible
60	0126CS151048	JYOTSNA TIWARI	35	45	80	Eligible
61	0126CS151048	KHUSHBOO SONONE	45	44	89	Eligible
62	0126CS151049	KHUSHBOO SONONE	45	44	89	Eligible
63	0126CS151049	KOMAL SHRESTHA	35	40	75	Eligible
64	0126CS151050	KOMAL SHRESTHA	35	40	75	Eligible
65	0126CS151050	KUMAR ALOK	30	30	60	Eligible
66	0126CS151051	KUMAR ALOK	30	30	60	Eligible
67	0126CS151051	LOKESH JAIN	35	35	70	Eligible
68	0126CS151052	LOKESH JAIN	35	35	70	Eligible
69	0126CS151052	MADEEHA MASOOD	42	40	82	Eligible
70	0126CS151052	MADEEHA MASOOD	42	40	82	Eligible
71	0126CS151053	MANDVI CHOUHAN	38	40	78	Eligible
72	0126CS151053	MANDVI CHOUHAN	38	40	78	Eligible
73	0126CS151054	MANISH BHARGAVA	37	40	77	Eligible
74	0126CS151054	MANISH BHARGAVA	37	40	77	Eligible
75	0126CS151055	MANISH CHANCHAL	35	45	80	Eligible
76	0126CS151055	MANISH CHANCHAL	35	45	80	Eligible
77	0126CS151056	MANISH KUMAR	37	35	70	Eligible
78	0126CS151056	MANISH KUMAR	37	35	70	Eligible
79	0126CS151057	MANISH KUMAR JHA	40	40	80	Eligible
80	0126CS151057	MANISH KUMAR JHA	40	40	80	Eligible
81	0126CS151058	MAYANK SINGH	30	30	60	Eligible
82	0126CS151058	MAYANK SINGH	30	30	60	Eligible
83	0126CS151059	MEGHA KUMARI	35	40	75	Eligible
84	0126CS151059	MEGHA KUMARI	35	40	75	Eligible
85	0126CS151060	MOHD AHMED KHANAKRAL	35	35	70	Eligible

Bhopal

Computer Science & Engineering
Oriental College of Technology, Bhopal

59	0126CS151061	MOHD SAEED KHAN	42	40	82	Eligible
60	0126CS151062	MD SHERIFF	38	40	78	Eligible
61	0126CS151063	MOHIT KUMAR YADAV	37	40	77	Eligible
62	0126CS151064	NEETA DHOTE	35	45	80	Eligible
63	0126CS151065	NEHA SANGWAN	45	44	89	Eligible
64	0126CS151066	NIDHI CHATURVEDI	35	40	75	Eligible
65	0126CS151067	NISHIT R ACHARYA	30	30	60	Eligible
66	0126CS151068	NOORAS ASLAM	35	35	70	Eligible
67	0126CS151069	NOORJAHAN	42	40	82	Eligible
68	0126CS151070	PARNIKA VYAS	38	40	78	Eligible
69	0126CS151072	PARUL PARDHI	37	40	77	Eligible
70	0126CS151073	PIYUSH KUMAR	35	45	80	Eligible
71	0126CS151074	POOJA KASHYAP	35	35	70	Eligible
72	0126CS151075	PRACHI SONARE	42	40	82	Eligible
73	0126CS151076	PRANALI PAWAR	38	40	78	Eligible
74	0126CS151077	PRANJALI DHANNA	38	40	78	Eligible
75	0126CS151078	PRATEEK SHUKLA	37	40	77	Eligible
76	0126CS151079	PRATIK KUMAR	35	45	80	Eligible
77	0126CS151080	PRIYADARSHANI	38	40	78	Eligible
78	0126CS151081	PRIYAL JAIN	37	40	77	Eligible
79	0126CS151082	PRIYAL MAHESHWARI	35	45	80	Eligible
80	0126CS151083	PUNEET PARVE	A	A	0	Not Eligible
81	0126CS151084	PURVI MISHRA	30	30	60	Eligible
82	0126CS151085	RAHUL JHAMTANI	35	35	70	Eligible
83	0126CS151086	RAHUL KUMAR	42	40	82	Eligible
84	0126CS151087	RAHUL KUMAR	38	40	78	Eligible
85	0126CS151088	RAMJI SHRIVASTAVA	37	40	77	Eligible
86	0126CS151089	RISHABH SHUKLA	35	45	80	Eligible
87	0126CS151090	RITIK RATHORE	45	44	89	Eligible
88	0126CS151091	RITVIKA BHADORIA	35	40	75	Eligible
89	0126CS151092	RIYA SHRIVASTAV	30	30	60	Eligible
90	0126CS151093	ROHIT KUMAR	35	35	70	Eligible
91	0126CS151094	SAAD AHMED	42	40	82	Eligible
92	0126CS151095	SACHIN GUPTA	38	40	78	Eligible
93	0126CS151096	SAGAR SHRIVASTAVA	37	40	77	Eligible
94	0126CS151097	SAKSHI AGRAWAL	35	45	80	Eligible
95	0126CS151098	SAMEEKSHA DWIVEDI	35	35	70	Eligible
96	0126CS151099	SAMRIDDI TIWARI	42	40	82	Eligible
97	0126CS151100	SANGEETA MANDAL	38	40	78	Eligible
98	0126CS151101	SHAISTA KALIMI	45	44	89	Eligible
99	0126CS151102	SHASHANK	35	40	75	Eligible
100	0126CS151103	SHATAKSHI PANDEY	A	A	0	Not Eligible
101	0126CS151104	SHIRISH KUMAR PANDEY	38	40	78	Eligible
102	0126CS151105	SHIVANGI NIGAM	37	40	77	Eligible
103	0126CS151106	SHREYASH SONI	35	45	80	Eligible
104	0126CS151107	SHUBHAM BHARADWAJ	45	44	89	Eligible
105	0126CS151108	SHUBHAM SAHU	35	40	75	Eligible
106	0126CS151109	SHUBHANSHU GUPTA	30	30	60	Eligible
107	0126CS151110	SIDDHI BALA PATEL	35	35	70	Eligible
108	0126CS151111	SOMYA SINHA	42	40	82	Eligible
109	0126CS151112	SONAL ANAND	38	40	78	Eligible
110	0126CS151113	SOURABH SINGH	37	40	77	Eligible
111	0126CS151114	SRISHTI SHARMA	35	45	80	Eligible
112	0126CS151115	SRISHTI SHASTRI	38	40	78	Eligible
113	0126CS151116	SURBHI GUPTA	37	40	77	Eligible
114	0126CS151117	SURBHI GUPTA	37	40	77	Eligible
115	0126CS151118	SURBHI GUPTA	37	40	77	Eligible
116	0126CS151119	SWAPNIL GOYAL	35	45	80	Eligible
117	0126CS151120	SWAPNIL GOYAL	35	45	80	Eligible
118	0126CS151121	URJA UDAYSHANKAR	45	44	89	Eligible
119	0126CS151122	VAIBHAV KHANDELWAL	35	40	75	Eligible
120	0126CS151123	VAIBHAV ONKARI	A	A	0	Not Eligible
121	0126CS151124	VAIBHAV WAJHAL	45	44	89	Eligible
122	0126CS151125	VISHWARAJ YADAV	35	40	75	Eligible
123	0126CS151126	VIVEK VAISHNAV	A	A	0	Not Eligible
124	0545CS151056	YASH BHAYRE	38	40	78	Eligible
125	0532CS151009	YASH NARKHEDE	37	40	77	Eligible
		YASH SHRIVASTAVA	45	44	89	Eligible
		YASHWINI BARASKAR	44	44	88	Eligible
		YOGITA SIHANI	A	A	0	Not Eligible

Thakral Nagar, Raipur Road
Bhopal

Department
Computer Science & Engineering
Oriental College of Technology, Durg

Feedback Form

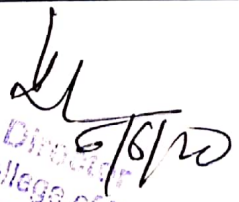
Value Added Course	C and C++ (CSE 20001)
Date:	19-23 Sep 2016
Program Location:	CSE Dept Oriental College of Technology, Bhopal
Presenter(s):	Mr. Kuldeep Chaurasia

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

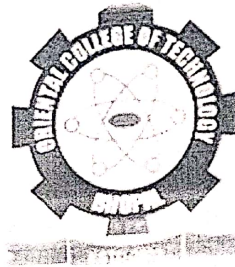
1. The Course objectives were stated clearly and met.	4 <u>3</u> 2 1
2. The Course was well organized.	4 3 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1
5. The presenter(s) 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
 Tikraal 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. AAKASH SHUKLA of CS-III Sem , OCT, Bhopal,
has Successfully Completed the "Value Added Course" on "C and C++" during 19-
23 Sep 2016 , organized by Computer Science and Engineering Department of
Oriental College of Technology, Bhopal.



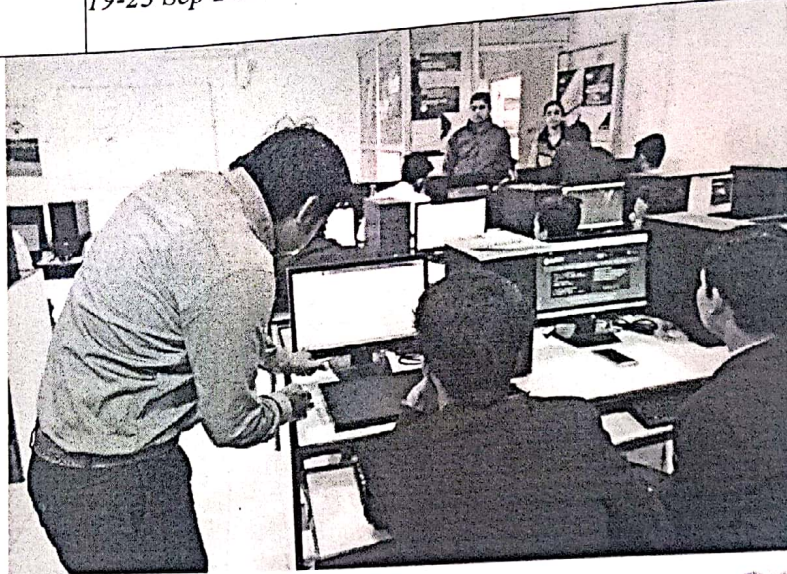
Kuldeep
Co-Ordinator, CS, OCT

Kw
Head of Department, CS OCT

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

Sharma
Director, OCT

Value Added Course	C and C++ (CSE 20001)
Date:	19-23 Sep 2016



[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 "C AND C++"

DATE AND TIME: 19-23, SEPTEMBER, 2016

ORGANIZED BY: CSE, OCT, BHOPAL

NAME OF THE SPEAKERS: MR. KULDEEP CHAURASIA ASSISTANT PROFESSOR, MR. SAURABH JAIN, ASSOCIATE PROFESSOR, & MR. PRADEEP MISHRA, ASSOCIATE 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 19 SEPTEMBER, 2016 TO 23 SEPTEMBER, 2016 FOR THE STUDENTS OF SECOND YEAR.

THIS COURSE SYLLABUS WAS COVERED BY MR. KULDEEP CHAURASIA ASSISTANT PROFESSOR, MR. SAURABH JAIN AND MR. PRADEEP MISHRA, ASSOCIATE PROFESSOR CSE, OCT IN 30 HRS. OF 5-DAY PROGRAM.

INAUGURAL CEREMONY STARTED BY DIRECTOR SPEECH ON 19 TH SEPTEMBER, 2016 AND THIS COURSE IS CONDUCTED AS PER SCHEDULE AND ON 23 RD SEPTEMBER, 2016 VALEDICTORY FUNCTION WAS CONDUCTED.

Kuldeep

PROF. KULDEEP CHAURASIA

COURSE COORDINATOR

CSE, OCT



Arif

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/

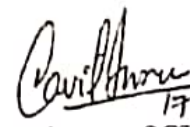
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi 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.



17/06/14
Director, OCT

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

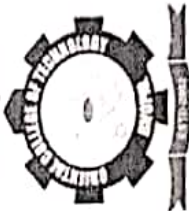
Copy to:

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




17/06/2014
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

**Oriental College of Technology,
Bhopal**



Value Added Course

On

"AUTOCAD"

08/08/2016 – 12/08/2016

2nd -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**

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. Uma Bhawsar

ochoodce@oriental.ac.in

COURSE COORDINATOR

Mrs. Vasundhara Dubey

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.

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. An drawings with text, dimensions, leaders and tables

✓ *AutoCAD as an 2D-engineering drafting tool, can use AutoCAD to draw accurate 2D drawings for engineering domain and also use AutoCAD to render 3D models to help in visualization of the end product helps engineers to design, analyze and solve issues resulting in accurate designs.*

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

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

ELIGIBILITY

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

ORINETAL OF COLLEGE OF TECHNOLOGY, BHOPAL

AUTO CAD

Value added course

Syllabus

CE-20001

Time Durations –30Hrs

Course coordinator –Mrs.Vasundhra Dubey

Day 1

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

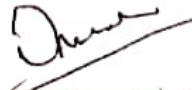
Day 2


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

Day 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
14. Rectangles




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15. Arc, Circle and Ellipse

16. Polygon, Spline

Day 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

Day 5

1. Individual Project & Team Project

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Department of Civil Engineering

Value Added Course - AUTOCAD

Course Schedule

Date - 08/08/2016 to 12/08/2016

08/08/2016

Time	Modules	Faculties
9:30-10:00 AM	Inaugurations Ceremony	Mr. Manish Kumar Sharma
10:00 AM-12:30PM	Introduction to AUTOCAD software	
12:30-1:10PM	Lunch time	Mrs. Vasundhra Dubey
01:10-3:10PM	Learning basics of AUTO CAD	
3:10 -3:30PM	Break	Mr. Manish Kumar Sharma
03:30-5:30PM	Introduction to 2D & 3D Drawings	

09/08/2016

Time	Session	Teacher
9:00-11:00AM	Introductions to principle of projection	Mr. Manish Kumar Sharma
11:00-11:30AM	Break	
11:30-01:00PM	Arc, circle and ellipse	Mrs. Vasundhra Dubey
01:00-1:40PM	Lunch	Mrs. Vasundhra Dubey
01:40-4:30PM	Introductions to Plan	

10/08/2016

Time	Session	Teacher
9:00-11:00AM	Learning of 3D drawing	Mrs. Vasundhra Dubey
11:00-11:30AM	Break	
11:30-01:00PM	Various Structural elements such Footings	Mr. Manish Kumar Sharma
01:00-1:40PM	Lunch time	
01:40-4:30PM	Drawing various structural elements of a building	Mrs. Vasundhra Dubey

11/08/2016

Time	Session	Teacher
9:00-11:00AM	Practice Session on Various commands of AUTOCAD	Mrs. Vasundhra Dubey
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session on 2D & 3D drawing	Mr. Manish Kumar Sharma
01:00-1:40PM	Lunch time	
01:40-4:30PM	Saving & plotting commands	Mrs. Vasundhra Dubey

12/08/2016

Time	Session	Teacher
9:00-11:00AM	Assignment :Designing of 1 BHK plan	Mrs. Vasundhra Dubey
11:00-11:30AM	Break	
11:30-01:00PM	Multiple choice questions Test	Mr. Manish Kumar Sharma
01:00-1:40PM	Lunch time	
01:40-2:30PM	Submission of drawing and Assignment submission	Mrs. Vasundhra Dubey
2:30-3:30PM	Feedback from students	Mrs. Vasundhra Dubey
3:30-4:30 PM	Certificate distribution	Mr. Manish Kumar Sharma



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AUTO CAD

Multiple Choice Test

Date: 12/08/2016

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 5 Marks.		

Multiple Choice Questions

1. What is the purpose of the set variable MIRRTEXT:
(a) To ensure that text is mirrored correctly
(b) To enable text to be mirrored with a drawing, when the **Mirror** tool is in use
(c) To make sure that text is deleted from drawings when acted upon by the **Mirror** tool
(d) To show text clearly in drawings acted upon by the **Mirror** tool.
2. When using the **Rotate** tool the angle of rotation is in the following direction:
(a) Clockwise
(b) Anticlockwise
(c) The direction in which the cursor is moved
(d) There is no fixed rotation direction.
3. When using the **Stretch** tool:
(a) Circles can be stretched into ellipses
(b) The tool has no effect upon circles
(c) Be careful because circles can be erased
(d) Treat circles like any other part of the drawing being stretched.
4. When using the **Break** tool on circles and/or arcs:
(a) Breaks can be made in any direction
(b) Breaks can only be made in a clockwise direction
(c) Breaks can only be made in an anticlockwise direction
(d) Break cannot be made in circles or arcs.
5. The **Join** tool can be used for joining:
(a) Any two arcs
(b) Only arcs or lines in line with each other
(c) Any two lines or plines
(d) Any objects can be joined to each other.
6. In first angle orthographic projection an end view is:
(a) Always placed to the right of the front view
(b) Viewed from the one side and placed on the other side of the front view
(c) Always placed to the left of the front view



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(d) Placed either side of the front view irrespective of the viewing position

7. In third angle orthographic projection a plan is:

- (a) Placed either above or below the front view depending upon whether the viewing is from above or below
- (b) Always placed above the front view
- (c) Always placed below the front view
- (d) Placed either above or below no matter which viewing direction is chosen.

8. Isometric drawing is:

- (a) A true 3D (three-dimensional) pictorial view of the object being drawn
- (b) A 2D (two-dimensional) pictorial view of the object
- (c) An accurate perspective drawing of the object
- (d) None of the items a, b or c.

9. If a layer is locked:

- (a) Details can be added to a locked layer
- (b) Details can be erased from a locked layer
- (c) Details cannot be added or erased from a locked layer
- (d) Details can be added to a locked layer but they disappear when the drawing file is saved.

10. When a layer is turned off:

- (a) File space is saved when saving the file
- (b) It makes no real difference. Details can still be added to the layer
- (c) Details cannot be erased from the layer
- (d) Details on the layer cannot be seen.



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Department of Civil Engineering

AUTO CAD (Value Added Course)

Course Code: CE 20001


Date - 08/08/2016 to 12/08/2016

ATTENDANCE SHEET

Sr.No.	Enroll NO.	Name of Student	8/8/2016	8/9/2016	8/10/2016	8/11/2016	8/12/2016
1	0126CE151001	ABHIMANN JAIN	Abs	Abs	Abs	Abs	Abs
2	0126CE151002	ABHINAV RANJAN	Present	Present	Present	Present	Present
3	0126CE151003	ACHYUT KUMAR	A	A	A	A	A
4	0126CE151004	ADESH KUMAR VISHWAKARMA	Present	Present	Present	Present	Present
5	0126CE151005	ADIL BAG	A. Bag	A. Bag	A. Bag	A. Bag	A. Bag
6	0126CE151006	AJAY KUMAR PARRHE	Present	Present	Present	Present	Present
7	0126CE151007	AKARSH CHATURVEDI	A	A	A	A	A
8	0126CE151008	AKASH SINGH TOMAR	Present	Present	Present	Present	Present
9	0126CE151009	AKHILESH KUMAR TIWARI	Present	Present	Present	Present	Present
10	0126CE151010	AKSHAY JOSHI	Present	Present	Present	Present	Present
11	0126CE151011	ANAN SONI	Present	Present	Present	Present	Present
12	0126CE151012	ANAND SINGH	Present	Present	Present	Present	Present
13	0126CE151013	ANIKET SINGH THAKUR	Abs	Abs	Abs	Abs	Abs
14	0126CE151014	ANIL MEENA	Present	Present	Present	Present	Present
15	0126CE151015	ANIRUDDHA TIWARI	Present	Present	Present	Present	Present
16	0126CE151016	ANKIT KUMAR	Present	Present	Present	Present	Present
17	0126CE151017	ANKIT PATEL	Present	Present	Present	Present	Present
18	0126CE151018	ANKIT SINGH	Present	Present	Present	Present	Present
19	0126CE151019	ANUJ KUMAR	Present	Present	Present	Present	Present
20	0126CE151020	ANURAG AGRAWAL	Present	Present	Present	Present	Present
21	0126CE151021	ANURAG KUMAR	Present	Present	Present	Present	Present
22	0126CE151022	ASHISH TADUCE	Present	Present	Present	Present	Present
23	0126CE151023	ASHUTOSH MISHRA	Present	Present	Present	Present	Present
24	0126CE151024	AVINASH KUMAR	Present	Present	Present	Present	Present
25	0126CE151025	AZAD HUSSAIN	Present	Present	Present	Present	Present
26	0126CE151026	BALRAM SINGH RAJPUT	Present	Present	Present	Present	Present
27	0126CE151027	BIKESH KUMAR TRIPATHI	Present	Present	Present	Present	Present
28	0126CE151028	CHANDRA PRAKASH GUPTA	Present	Present	Present	Present	Present
29	0126CE151029	DEEPAK KUMAR	Present	Present	Present	Present	Present
30	0126CE151030	DEEPAK KUMAR	Present	Present	Present	Present	Present
31	0126CE151032	DEEPANSH KHARE	Abs	Abs	Abs	Abs	Abs
32	0126CE151033	DEVENDRA KULASTE	Present	Present	Present	Present	Present
33	0126CE151034	DEVVRAT TRIPATHI	Present	Present	Present	Present	Present
34	0126CE151035	DIVYANKA PHOOPWALE	Present	Present	Present	Present	Present
35	0126CE151036	DIVYANSH GUPTA	Present	Present	Present	Present	Present
36	0126CE151037	GAUTAM SHIVHARE	Present	Present	Present	Present	Present
37	0126CE151038	GOURAV SONI	Abs	Abs	Abs	Abs	Abs
38	0126CE151039	HONEY VISHWAKARMA	Present	Present	Present	Present	Present
39	0126CE151040	JAHAVI AWASTHI	Present	Present	Present	Present	Present
40	0126CE151041	JADEEP VERMA	Present	Present	Present	Present	Present
41	0126CE151042	JAY PATIDAR	Present	Present	Present	Present	Present
42	0126CE151043	JAYESH JADHAV	Present	Present	Present	Present	Present
43	0126CE151044	JAYESH SHARMA	Present	Present	Present	Present	Present
44	0126CE151045	JAYRAM KUMAR RAY	Present	Present	Present	Present	Present
45	0126CE151046	KAJAL SINGH	Present	Present	Present	Present	Present
46	0126CE151048	KARAN HARPLANI	Present	Present	Present	Present	Present




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47	0126CE151049	KARANVEER SINGH	Singh	Singh	Singh	Singh	Singh
48	0126CE151050	KARTIK SINGH CHALHAN	Kartik	Kartik	Kartik	Kartik	Kartik
49	0126CE151051	KESHAV PATHAK	Keshav	Keshav	Keshav	Keshav	Keshav
50	0126CE151052	LAVESH SAXENA	Lavesh	Lavesh	Lavesh	Lavesh	Lavesh
51	0126CE151053	MAHIMA MISHRA	M.M	M.M	M.M	M.M	M.M
52	0126CE151054	MAYUR TASHRE	Mayur	Mayur	Mayur	Mayur	Mayur
53	0126CE151055	MO ASHAR NEHAL	Mo	Mo	Mo	Mo	Mo
54	0126CE151058	ARUSKAN JAIN	Aruskan	Aruskan	Aruskan	Aruskan	Aruskan
55	0126CE151059	NAMIT JAIN	Namit	Namit	Namit	Namit	Namit
56	0126CE151060	NARENDRA KUMAR	N.Kumar	N.Kumar	N.Kumar	N.Kumar	N.Kumar
57	0126CE151061	NARESH KUMAR	N.Kumar	N.Kumar	N.Kumar	N.Kumar	N.Kumar
58	0126CE151062	NAVNEET PANDEY	Navneet	Navneet	Navneet	Navneet	Navneet
59	0126CE151063	NISHANT SINGH	Nishant	Nishant	Nishant	Nishant	Nishant
60	0126CE151064	NITESH KUMAR	N.Kumar	N.Kumar	N.Kumar	N.Kumar	N.Kumar
61	0126CE151065	NITESH RAI	N.Rai	N.Rai	N.Rai	N.Rai	N.Rai
62	0126CE151066	NITIN KUMAR CHALDHARY	N.Kumar	N.Kumar	N.Kumar	N.Kumar	N.Kumar
63	0126CE151067	NRIPENDRA AGNIHOTRI	N.Rai	N.Rai	N.Rai	N.Rai	N.Rai
64	0126CE151068	PARAM PRAKASH	Param	Param	Param	Param	Param
65	0126CE151069	PIYUSH KUMAR AWASTHI	P.Kumar	P.Kumar	P.Kumar	P.Kumar	P.Kumar
66	0126CE151070	PIYUSH KUMAR NAMDEV	P.Kumar	P.Kumar	P.Kumar	P.Kumar	P.Kumar
67	0126CE151071	PRABHAT PATHAK	Prabhat	Prabhat	Prabhat	Prabhat	Prabhat
68	0126CE151072	PRATYUSH MISHRA	P.Mishra	P.Mishra	P.Mishra	P.Mishra	P.Mishra
69	0126CE151073	PRAVIN DOHRE	Pravin	Pravin	Pravin	Pravin	Pravin
70	0126CE151074	PUSHPRAJ MANDLOI	P.Mandloi	P.Mandloi	P.Mandloi	P.Mandloi	P.Mandloi
71	0126CE151075	RAHUL KUMAR	R.Kumar	R.Kumar	R.Kumar	R.Kumar	R.Kumar
72	0126CE151076	RAHUL PATEL	R.Patel	R.Patel	R.Patel	R.Patel	R.Patel
73	0126CE151077	RAIB ALI BAIG	R.Ali	R.Ali	R.Ali	R.Ali	R.Ali
74	0126CE151078	RAJA BABU	R.Babu	R.Babu	R.Babu	R.Babu	R.Babu
75	0126CE151079	RAJESH GUPTA	R.Gupta	R.Gupta	R.Gupta	R.Gupta	R.Gupta
76	0126CE151080	RASHI KHARE	R.Khare	R.Khare	R.Khare	R.Khare	R.Khare
77	0126CE151081	RISHABH BEOHAR	R.Beohar	R.Beohar	R.Beohar	R.Beohar	R.Beohar
78	0126CE151082	RISHABH NIGAM	R.Nigam	R.Nigam	R.Nigam	R.Nigam	R.Nigam
79	0126CE151083	RITU KUMARI	R.Kumari	R.Kumari	R.Kumari	R.Kumari	R.Kumari
80	0126CE151084	RIYAZ ALAM	R.Alam	R.Alam	R.Alam	R.Alam	R.Alam
81	0126CE151085	ROHIT ANAND	R.Anand	R.Anand	R.Anand	R.Anand	R.Anand
82	0126CE151086	RUPAM KUMAR	R.Kumar	R.Kumar	R.Kumar	R.Kumar	R.Kumar
83	0126CE151087	RUSTAM KUMAR ANJAN	R.Kumar	R.Kumar	R.Kumar	R.Kumar	R.Kumar
84	0126CE151088	SACHIN CHAURASIA	S.Chaurasia	S.Chaurasia	S.Chaurasia	S.Chaurasia	S.Chaurasia
85	0126CE151089	SAKEENA BOHRA	S.Bohra	S.Bohra	S.Bohra	S.Bohra	S.Bohra
86	0126CE151090	SAKET GUPTA	S.Gupta	S.Gupta	S.Gupta	S.Gupta	S.Gupta
87	0126CE151091	SAKSHAM TIWARI	S.Tiwari	S.Tiwari	S.Tiwari	S.Tiwari	S.Tiwari
88	0126CE151092	SANDEEP KUMAR	S.Kumar	S.Kumar	S.Kumar	S.Kumar	S.Kumar
89	0126CE151093	SANDEEP YOGI	S.Yogi	S.Yogi	S.Yogi	S.Yogi	S.Yogi
90	0126CE151094	SANYOG MISHRA	S.Mishra	S.Mishra	S.Mishra	S.Mishra	S.Mishra
91	0126CE151095	SARVESH SINGH GAHARWAR	S.Singh	S.Singh	S.Singh	S.Singh	S.Singh
92	0126CE151096	SHAYED ALTAMASH WALI	S.Wali	S.Wali	S.Wali	S.Wali	S.Wali
93	0126CE151097	SHAFI HAIDER	S.Haider	S.Haider	S.Haider	S.Haider	S.Haider
94	0126CE151098	SHASHANK KHARE	S.Khare	S.Khare	S.Khare	S.Khare	S.Khare
95	0126CE151100	SHIKHAR SAHU	S.Sahu	S.Sahu	S.Sahu	S.Sahu	S.Sahu
96	0126CE151101	SHIVAM GUPTA	S.Gupta	S.Gupta	S.Gupta	S.Gupta	S.Gupta
97	0126CE151102	SHIVAM SHUKLA	S.Shukla	S.Shukla	S.Shukla	S.Shukla	S.Shukla
98	0126CE151103	SHIVANI SURYAVANSHI	S.Suryavanshi	S.Suryavanshi	S.Suryavanshi	S.Suryavanshi	S.Suryavanshi
99	0126CE151104	SHIVENDRA BOPCHE	S.Bopche	S.Bopche	S.Bopche	S.Bopche	S.Bopche
100	0126CE151105	SHOURYA SHRIVASTAVA	S.Shrivastava	S.Shrivastava	S.Shrivastava	S.Shrivastava	S.Shrivastava
101	0126CE151106	SHREYAS GARUD	S.Garud	S.Garud	S.Garud	S.Garud	S.Garud



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102	0126C151107	SHUBHAM DWIVEDI	D	D	D	D	D
103	0126C151108	VENKANT JAIN	V	V	V	V	V
104	0126C151109	VEDHARTH RATHORE	V	V	V	V	V
105	0126C151110	SONALI SINGH	S	S	S	S	S
106	0126C151111	SONIRAM LITENIYA	S	S	S	S	S
107	0126C151113	SUDHANSHU KUMAR PAL	S	S	S	S	S
108	0126C151114	SURYANSH SAXENA	S	S	S	S	S
109	0126C151115	SYED ALI MURTAZA ZAHEDI	S	S	S	S	S
110	0126C151116	UTKARSH DIXIT	U	U	U	U	U
111	0126C151117	VAIBHAV KUMAR JAIN	V	V	V	V	V
112	0126C151118	VAIBHAVI SHUKLA	V	V	V	V	V
113	0126C151120	VEDANT SHUKLA	V	V	V	V	V
114	0126C151121	VEERENORA KUMAR PANDEY	V	V	V	V	V
115	0126C151122	VIKAS PATEL	V	V	V	V	V
116	0126C151123	VIKAS SONI	V	V	V	V	V
117	0126C151124	VIKASH KUMAR	V	V	V	V	V
118	0126C151125	VISHWAS RAGHUWANSHI	V	V	V	V	V
119	0126C151126	VIVEK VISHAL	V	V	V	V	V

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Department of Civil Engineering

AUTO CAD (Value Added Course)

Course Code: CE 20001

Date - 08/08/2016 to 12/08/2016

ASSESSMENT SHEET

Sr. No.	Enroll NO.	Name of Student	Class Room Assessment Marks	Objective Type Test Marks	Total Marks obtained	Certificate status
1	01264 E 151001	ABHIRAMN JAUN	A	A	0	Not Eligible
2	01264 E 151002	ABHINAV BANJAN	35	40	75	Eligible
3	01264 E 151003	ACHYUT KUMAR	28	40	68	Eligible
4	01264 E 151004	ADISH KUMAR VISHWAKARMA	37	40	77	Eligible
5	01264 E 151005	ADIL BANG	40	45	85	Eligible
6	01264 E 151006	AJAY KUMAR PAKHIE	35	45	80	Eligible
7	01264 E 151007	AKARSH CHATURVEDI	45	40	85	Eligible
8	01264 E 151008	AKASH SINGH TOMAR	28	45	73	Eligible
9	01264 E 151009	AKHILESH KUMAR TIWARI	45	45	90	Eligible
10	01264 E 151010	AKSHAY JOSHI	35	40	75	Eligible
11	01264 E 151011	AMAN SONI	38	50	88	Eligible
12	01264 E 151012	ANAND SINGH	45	50	95	Eligible
13	01264 E 151013	ANIKET SINGH THAKUR	A	A	0	Not Eligible
14	01264 E 151014	ANIL MEENA	A	A	0	Not Eligible
15	01264 E 151015	ANIRUDDHA TIWARI	38	50	88	Eligible
16	01264 E 151016	ANKIT KUMAR	38	40	78	Eligible
17	01264 E 151017	ANKIT PATIL	38	40	78	Eligible
18	01264 E 151018	ANKIT SINGH	32	40	72	Eligible
19	01264 E 151019	ANUJ KUMAR	32	45	77	Eligible
20	01264 E 151020	ANURAG AGRAWAL	32	45	77	Eligible
21	01264 E 151021	ANURAG KUMAR	37	40	77	Eligible
22	01264 E 151022	ANURAG KUMAR	39	40	79	Eligible
23	01264 E 151023	ASHISH TADUCCI	40	35	75	Eligible
24	01264 E 151024	ASHUTOSH MISHRA	40	40	80	Eligible
25	01264 E 151025	AVINASH KUMAR	45	40	85	Eligible
26	01264 E 151026	AZAD HUSSAIN	35	40	75	Eligible
27	01264 E 151027	BAKRAM SINGH RAJPUT	30	40	70	Eligible
28	01264 E 151028	BIKESH KUMAR TRIPATHI	38	40	78	Eligible
29	01264 E 151029	CHANDRA PRAKASH GUPTA	33	35	68	Eligible
30	01264 E 151030	CHANDRA PRAKASH GUPTA	35	45	80	Eligible
31	01264 E 151031	DILIPANSH KHARE	35	45	80	Eligible
32	01264 E 151032	DEEPAK KUMAR	38	40	78	Eligible
33	01264 E 151033	DEEPANSH KHARE	A	A	0	Not Eligible
34	01264 E 151034	DEVENDRA KULASTE	A	A	0	Not Eligible
35	01264 E 151035	DEVVRAJ TRIPATHI	38	50	88	Eligible
36	01264 E 151036	DIVYANKA PHOOPWALE	32	45	77	Eligible
37	01264 E 151037	DIVYANSH GUPTA	32	45	77	Eligible
38	01264 E 151038	DIVYANSH GUPTA	45	45	90	Eligible
39	01264 E 151039	GAUTAM SHIVHARE	38	40	78	Eligible
40	01264 E 151040	GOURAV SONI	A	A	0	Not Eligible
41	01264 E 151041	HONEY VISHWAKARMA	A	A	0	Not Eligible
42	01264 E 151042	JAHNAVI AWASTHI	44	45	89	Eligible
43	01264 E 151043	JAIDEEP VERMA	42	45	87	Eligible
44	01264 E 151044	JAY PATIDAR	45	45	90	Eligible
45	01264 E 151045	JAYESH JADHAV	31	50	81	Eligible
46	01264 E 151046	JAYESH SHARMA	38	50	88	Eligible
47	01264 E 151047	JAYESH SHARMA	45	40	85	Eligible
48	01264 E 151048	JAYESH SHARMA	38	40	78	Eligible
49	01264 E 151049	JAYESH SHARMA	38	40	78	Eligible
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51	01264 E 151051	JAYESH SHARMA	38	40	78	Eligible
52	01264 E 151052	JAYESH SHARMA	38	40	78	Eligible
53	01264 E 151053	JAYESH SHARMA	38	40	78	Eligible
54	01264 E 151054	JAYESH SHARMA	38	40	78	Eligible
55	01264 E 151055	JAYESH SHARMA	38	40	78	Eligible
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57	01264 E 151057	JAYESH SHARMA	38	40	78	Eligible
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60	01264 E 151060	JAYESH SHARMA	38	40	78	Eligible
61	01264 E 151061	JAYESH SHARMA	38	40	78	Eligible
62	01264 E 151062	JAYESH SHARMA	38	40	78	Eligible
63	01264 E 151063	JAYESH SHARMA	38	40	78	Eligible
64	01264 E 151064	JAYESH SHARMA	38	40	78	Eligible
65	01264 E 151065	JAYESH SHARMA	38	40	78	Eligible
66	01264 E 151066	JAYESH SHARMA	38	40	78	Eligible
67	01264 E 151067	JAYESH SHARMA	38	40	78	Eligible
68	01264 E 151068	JAYESH SHARMA	38	40	78	Eligible
69	01264 E 151069	JAYESH SHARMA	38	40	78	Eligible
70	01264 E 151070	JAYESH SHARMA	38	40	78	Eligible
71	01264 E 151071	JAYESH SHARMA	38	40	78	Eligible
72	01264 E 151072	JAYESH SHARMA	38	40	78	Eligible
73	01264 E 151073	JAYESH SHARMA	38	40	78	Eligible
74	01264 E 151074	JAYESH SHARMA	38	40	78	Eligible
75	01264 E 151075	JAYESH SHARMA	38	40	78	Eligible
76	01264 E 151076	JAYESH SHARMA	38	40	78	Eligible
77	01264 E 151077	JAYESH SHARMA	38	40	78	Eligible
78	01264 E 151078	JAYESH SHARMA	38	40	78	Eligible
79	01264 E 151079	JAYESH SHARMA	38	40	78	Eligible
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81	01264 E 151081	JAYESH SHARMA	38	40	78	Eligible
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84	01264 E 151084	JAYESH SHARMA	38	40	78	Eligible
85	01264 E 151085	JAYESH SHARMA	38	40	78	Eligible
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94	01264 E 151094	JAYESH SHARMA	38	40	78	Eligible
95	01264 E 151095	JAYESH SHARMA	38	40	78	Eligible
96	01264 E 151096	JAYESH SHARMA	38	40	78	Eligible
97	01264 E 151097	JAYESH SHARMA	38	40	78	Eligible
98	01264 E 151098	JAYESH SHARMA	38	40	78	Eligible
99	01264 E 151099	JAYESH SHARMA	38	40	78	Eligible
100	01264 E 151100	JAYESH SHARMA	38	40	78	Eligible

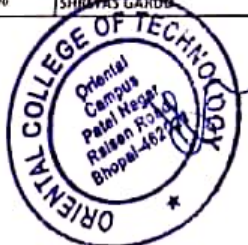


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45	0126C E 151044	RAJAL SINGH	30	50	80	Eligible
46	0126C E 151045	KARAN HARPLANI	45	40	85	Eligible
47	0126C E 151045	KARANVEER SINGH	32	45	77	Eligible
48	0126C E 151046	KARTIK SINGH CHAUDHAN	30	40	70	Eligible
49	0126C E 151047	KESHAV PATHAK	A	A	0	Not Eligible
50	0126C E 151048	LAUVISH SAXENA	40	45	85	Eligible
51	0126C E 151049	MADHANA MISHRA	32	45	77	Eligible
52	0126C E 151054	MAAYUR TARE	35	40	75	Eligible
53	0126C E 151055	MO ASHAR NEHAL	38	40	78	Eligible
54	0126C E 151056	MUSKAN JAIN	45	40	85	Eligible
55	0126C E 151057	NAMIT JAIN	32	45	77	Eligible
56	0126C E 151060	NARENDRA KURAN	35	45	80	Eligible
57	0126C E 151061	NARESH KUMAR	35	45	80	Eligible
58	0126C E 151062	NAVNEET PANDEY	38	40	78	Eligible
59	0126C E 151063	NISHANT SINGH	26	45	71	Eligible
60	0126C E 151064	NITESH KUMAR	40	45	85	Eligible
61	0126C E 151065	NITESH RAJ	40	45	85	Eligible
62	0126C E 151066	NITIN KUMAR CHAUDHARY	35	40	75	Eligible
63	0126C E 151067	NRIPENDRA AGNIHOTRI	35	45	80	Eligible
64	0126C E 151068	PARAM PRAKASH	31	50	81	Eligible
65	0126C E 151069	PIYUSH KUMAR AWASTHI	28	45	73	Eligible
66	0126C E 151070	PIYUSH KUMAR NAMDEV	35	45	80	Eligible
67	0126C E 151071	PRABHAT PATHAK	37	40	77	Eligible
68	0126C E 151072	PRATYUSH MISHRA	A	A	0	Not Eligible
69	0126C E 151073	PRAVIN DOHRE	26	45	71	Eligible
70	0126C E 151074	PUSHPRAJ MANDLOI	37	40	77	Eligible
71	0126C E 151075	RAHUL KUMAR	A	A	0	Not Eligible
72	0126C E 151076	RAHUL PATEL	A	A	0	Not Eligible
73	0126C E 151077	RAIB ALI BAIG	45	45	90	Eligible
74	0126C E 151078	RAJA BABU	32	45	77	Eligible
75	0126C E 151079	RAJESH GUPTA	39	40	79	Eligible
76	0126C E 151080	RASHI KHARE	32	45	77	Eligible
77	0126C E 151081	RISHABH DEOHAR	40	45	85	Eligible
78	0126C E 151082	RISHABH NIGAM	48	45	93	Eligible
79	0126C E 151083	RITU KUMARI	45	45	90	Eligible
80	0126C E 151084	RIYAZ ALAM	45	45	90	Eligible
81	0126C E 151085	ROHIT ANAND	35	40	75	Eligible
82	0126C E 151086	RUPAM KUMAR	38	40	78	Eligible
83	0126C E 151087	RUSTAM KUMAR ANJAN	28	45	73	Eligible
84	0126C E 151088	SACHIN CHAURASIA	38	40	78	Eligible
85	0126C E 151089	SAKEENA BOHRA	37	40	77	Eligible
86	0126C E 151090	SAKET GUPTA	35	40	75	Eligible
87	0126C E 151091	SAKSHAM TIWARI	35	40	75	Eligible
88	0126C E 151092	SANDEEP KUMAR	45	50	95	Eligible
89	0126C E 151093	SANDEEP YOGI	28	45	73	Eligible
90	0126C E 151094	SANYOG MISHRA	28	40	68	Eligible
91	0126C E 151095	SARVESH SINGH GANWAR	40	45	85	Eligible
92	0126C E 151096	SAYED ALTAMASH WALI	45	40	85	Eligible
93	0126C E 151097	SHAFI HAIDER	45	45	90	Eligible
94	0126C E 151098	SHASHANK KHARE	45	45	90	Eligible
95	0126C E 151100	SHIKHAR SAHU	35	45	80	Eligible
96	0126C E 151101	SHIVAM GUPTA	45	50	95	Eligible
97	0126C E 151102	SHIVAM SHUKLA	32	45	77	Eligible
98	0126C E 151103	SHIVANI SURYAVANSHI	35	45	80	Eligible
99	0126C E 151104	SHIVENDRA BOPCHE	37	40	77	Eligible
100	0126C E 151105	SHOURYA SHRIVASTAVA	A	A	0	Not Eligible
101	0126C E 151106	SHREYAS GARDH	45	45	90	Eligible



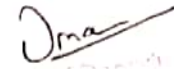
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Bhopal

Head of Department
CIVIL Engineering
Oriental College of Technology
BHOPAL

102	0120C E 15110*	SHUBHAM DWIVEDI	45	45	90	Eligible
103	0120C E 151108	SIDDHANT JAIN	45	40	85	Eligible
104	0120C E 151109	SIDDHARTH RATHORE	40	45	85	Eligible
105	0120C E 151110	SONALI SINGH	40	40	80	Eligible
106	0120C E 151111	SOURABH TIWARIYA	40	40	80	Eligible
107	0120C E 151113	SUDHANSHU KUMAR PAL	38	40	78	Eligible
108	0120C E 151114	SURYANSH SAXENA	35	40	75	Eligible
109	0120C E 151115	SYED ALI MURTAZA ZAIDI	40	45	85	Eligible
110	0120C E 151116	UTKARSH DIXIT	33	35	68	Eligible
111	0120C E 151117	VAIDHAV KUMAR JAIN	28	40	68	Eligible
112	0120C E 151118	VAIDHAVI SHUKLA	44	45	89	Eligible
113	0120C E 151120	VEDANT SHUKLA	35	40	75	Eligible
114	0120C E 151121	VEERENDRA KUMAR PANDEY	32	45	77	Eligible
115	0120C E 151122	VIKAS PATEL	45	45	90	Eligible
116	0120C E 151123	VIKAS SONI	38	45	83	Eligible
117	0120C E 151124	VIKASH KUMAR	28	40	68	Eligible
118	0120C E 151125	VISHWAS RAGHUWANSHI	35	45	80	Eligible
119	0120C E 151126	VIVEK VISHAL	32	45	77	Eligible




 Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
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 Head of Department
 ...
 ...

Oriental College of Technology, Bhopal

Feedback Form

Name: _____
 Roll No: _____
 Date: _____
 Page: _____

AL/13/AD

OR/OR/13/10/13/18/13/10

Oriental College of Technology, Bhopal

Dr. Pooja B. Saxena, Mrs. Vandana Dubey

You are asked to rate statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Circle about the number that applies.

4 - Strongly Agree 3 - Agree 2 - Disagree 1 - Strongly Disagree

1. The material covered in all the sessions were relevant and useful.	4	3	2	1
2. The session arrangements were adequate.	4	3	2	1
3. The course objectives were stated clearly and met.	4	3	2	1
4. The teacher provided adequate time for questions and answered them effectively.	4	3	2	1
5. The teacher 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 course was well organized.	4	3	2	1
8. The air facilities were adequate.	4	3	2	1



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 Thatal Nagar, Raissen,
 Bhopal

Oriental College of Technology, Bhopal

Department of Civil Engineering

AUTO CAD (Value Added Course)

Course Code: CE 20001

Date - 08/08/2016 to 12/08/2016



Certificate by

[Signature]
10/8/2020

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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 CIVIL ENGINEERING

SESSION: 2016-17

CERTIFICATE

*This is to certify that Mr./Ms ABHINAV RANJAN of CE III Semester, OCT, Bhopal, has
Successfully Completed the "Value Added Course" on "Auto CAD" during 08-12 Aug
2016, organized by Department of Civil Engineering, Oriental College of Technology,
Bhopal.*



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

[Signature]

Co-Ordinator, CE, OCT

[Signature]

Head of Department, CE OCT

[Signature]

Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY
BHOPAL



Department of Civil Engineering
Report on Value Added Course on "AUTOCAD"

Date and Time: 08/08/2016 to 12/08/2016. **Venue:** CE, OCT Campus. **Organized by:** CE, OCT, Bhopal. **Name of the Speakers:** Dr. Uma Bhawsar (HOD CE), Mrs. Vasundhra Dubey (Asst. Prof) & Mr. Manish Kumar Sharma (Asst. Prof), **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 08/08/2016 to 12/08/2016. for the students of second year.

This Course syllabus was covered by Dr. Uma Bhawsar (HOD CE), Mrs. Vasundhra Dubey & Mr. Manish Kumar Sharma CE, OCT in 30 Hrs. of 5-Day program.

On 08/08/2016, 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 08/08/2016, Mrs. Vasundhra Dubey, make students Learned Introduction to AUTO CAD Software & Mr. Manish Kumar Sharma make students Learned Introduction to 2D & 3D drawings.

On 09/08/2016, Mr. Manish Kumar Sharma make students Learned Introductions to principle of




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projection, Arc circles and eclipse. On 10/08/2016, Mrs. Vasundhra Dubey & Dr.Subrato Khan, make students learned 3D Drawing & Drawing various structural elements of a building & Footings. On 11/08/2016, Mr. Manish Kumar Sharma & Mrs. Vasundhra Dubey, Conducted Practice Session on Various commands of AUTOCAD such as saving and plotting commands. On 12/08/2016, Dr.Subrato Khan & Mrs. Vasundhra Dubey, assigned to draw Designing of 1 BHK plan followed by Value added course assessment test. At last, Dr.Uma Bhawsar (HOD CE) Convenor of Course gave away the vote of thank. She also thanked Mr. Manish Kumar Sharma & Mrs. Vasundhra Dubey 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.

Dr.Uma Bhawsar

Course Convenor

CE, OCT




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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/

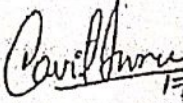
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Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

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.

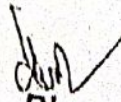

17/06/14
Director, OCT

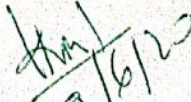
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Copy to:

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




Director
Oriental College of Technology
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Bhopal


7/6/20

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. N.K Agrawal
Director, OCT, Bhopal

CONVENOR

Mrs. Roopali Soni
ochothdit@oriental.ac.in
Mobile: +919827042079

COURSE COORDINATOR

Mr. Avinash Sharma
Mobile: +917415249228
Mr. Imran Khan
Mobile: +917987787253

ORGANISING COMMITTEE MEMBERS

Mr. Avinash Sharma
Mrs. Alka Tripathi

CONTACT

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ochothdit@oriental.ac.in
Mobile: +919827042079

Mrs. Alka Tripathi
Mobile: +917879772184

**Oriental College of Technology
Bhopal**



Value Added Course

on

"JAVA"

[16-20 January, 2017]

For III -Year Students

Organized By

Department of Information Techno

Oriental College of Technology
Thakral Nagar, Raisen Road, Bhopal -
Phone: 2529026, 2529057, Fax: 0755-25

Head of Department
Information Technology
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. 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 Third 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]

Mr. Avinash Sharma
[Assistant Professor, Oriental College of Technology, Bhopal]
&

Mrs. Sapna Kushwah

[Assistant Professor, Oriental College of Technology, Bhopal]



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Oriental College of Technology, Bhopal

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

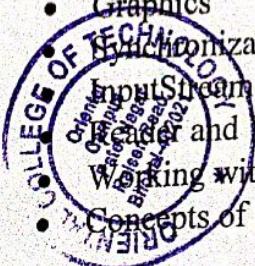
- Polymorphism
- Making methods and classes final
- Abstract classes and methods
- Interfaces
- The Exception class
- Cloning objects
- The JDK LinkedList class
- Strings
- String conversions

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
- InputStream and OutputStream classes
- Reader and Writer classes
- Working with URLs
- Concepts of URLs



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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 [16-Jan-2017 To 20-Jan-2017]

16Jan 2017

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 . ImranKhan
12:30-1:10PM	LUNCH	
01:10-3:10PM	Arrays ,Fields and Methods ,Overloading Methods Garbage Collection	Mr . ImranKhan
3:10 -3:30PM	Break	
03:30-5:30PM	Nested Classes ,Overriding methods	Mr . ImranKhan

17Jan 2017

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

18Jan 2017

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

19 Jan 2017

Time	Session	Teacher
9:00-11:00AM	Using Menus ,Using adapter Classes ,Graphics Synchronization Input stream and Output Streams	Mr. Avinash Sharma
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. Avinash Sharma
01:00-1:40PM	LUNCH	
01:40-4:30PM	Class Room Assessment	Mr. Avinash Sharma

20Jan 2017

Time	Session	Teacher
9:00-11:00AM	Life Cycle of Servlets , Java Servlet Development Kits	Mrs. Sapna Kushwah
11:00-11:30AM	Break	
11:30-01:00PM	Reading Servlets parameters ,Reading Initializing Parameters	Mrs. Sapna Kushwah
01:00-1:40PM	LUNCH	
01:40-2:30PM	Handling HTTP	Mrs. Sapna Kushwah
2:30-3:00PM	Objective test	Mrs. Sapna Kushwah
3:30-4:30PM	Valedictory & Certificate distribution	Mr. Avinash Sharma



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Objective type test on JAVA		Dated 20-JAN-2017	
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. Java programs are

- A) Faster than others
- B) Platform independent
- C) Not reusable
- D) Not scalable

2. Java has its origin in

- A) C programming language
- B) PERRL
- C) COBOL

3. Which one of the following is true for Java

- A) Java is object oriented and interpreted
- B) Java is efficient and faster than C
- C) Java is the choice of everyone.
- D) Java is not robust.

4. The command javac is used to

- A) debug a java program
- B) compile a java program
- C) interpret a java program
- D) execute a java program

5. Java servlets are an efficient and powerful solution for creating for the web.

- A) Dynamic content
- B) Static content
- C) Hardware
- D) Both a and b

6. Filters were officially introduced in the Servlet specification.

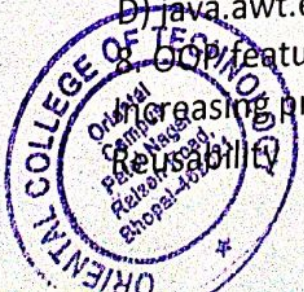
- A) 2.1
- B) 2.3
- C) 2.2
- D) 2.4

7. Which is the root class of all AWT events

- A) java.awt.ActionEvent
- B) java.awt.AWTEvent
- C) java.awt.event.AWTEvent
- D) java.awt.event.Event

8. OOP features are

- i) Increasing productivity
- ii)



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- C) 2 & 4
- D) 1, 2 & 3
- E) 1, 2 & 4
- F) none of the above

iv) High vulnerability

break statement is used to

- i) get out of method
- ii) end a program
- iii) get out of a loop
- iv) get out of the system

- A) 1 & 2
- B) 1, 2 & 3
- C) 1 & 3
- D) 3

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

Native – protocol pure Java converts into the used by DBMSs directly.

- A) JDBC calls, network protocol
- B) ODBC class, network protocol
- C) ODBC class, user call
- D) JDBC calls, user call

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()
- d) getEnum()

14 Which class does all the Enums extend?

- a) Object
- b) Enums
- c) Enum
- d) EnumClass

Which of the following is true about Java.

- A) Java does not support overloading.
- B) Java has replaced the destructor function of C++
- C) There are no header files in Java.
- D) All of the above.

16 Which of these is long data type literal?

- a) 0x99ff
- b) ABCDEF

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Which of these can be returned by the operator &?

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

..... are not machine instructions and therefore, Java interpreter generates machine code that can be directly executed by the machine that is running the Java program.

- A) Compiled Instructions
- B) Compiled code
- C) byte code
- D) Java mid code

19 Literal can be of which of these data types?

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

20 Java Servlet

- i) is key component of server side java development
- ii) is a small pluggable extension to a server that enhances functionality
- iii) runs only in Windows Operating System
- iv) allows developers to customize any java enabled server

- A) i, ii & iii are true
- B) i, iii & iv are true
- C) ii, iii & iv are true
- D) i, ii & iv are true

How many times does the following code segment execute

```
int x=1, y=10, z=1;  
do{y--; x++; y-=2; y=z; z++;} while (y>1 && z<10);
```

- A) 1
- B) 10
- C) 5
- D) infinite

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?

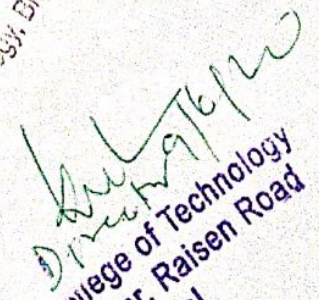
- a) int arr[] = new int[5].
- b) int [] arr = new int[5]
- c) int arr[] = new int[5]
- d) int arr[] = int [5] new

EJB supports transaction processing

- A) 1-true, 2. true, 3. true
- B) 1-true, 2. false, 3. true
- C) 1-false, 2-false, 3- false
- D) 1-true, 2-false, 3- false

25 Which operators which concatenates two strings.


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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: JAVA Programming

Course Code: IT 30001

SEM: 6 SEM

Marks List

Session JAN-JUNE 2017


S.No	Enrollment No	Student Name	16-Jan-17	17-Jan-17	18-Jan-17	19-Jan-17	20-Jan-17
1	0126IT141001	AAKASH TIWARY	Ak	Ak	Ak	Ak	Ak
2	0126IT141002	AAYUSHI GUPTA	Ayush	Ayush	Ayush	Ayush	Ayush
3	0126IT141004	ABHISHEK SHARMA	Abhisarma	Abhisarma	Abhisarma	Abhisarma	Abhisarma
4	0126IT141005	ABID SHEKH	ABid..	ABid..	ABid..	ABid..	ABid..
5	0126IT141006	ADIBA ARSHAD	Adiba	Adiba	Adiba	Adiba	Adiba
6	0126IT141007	ADITYA PANDIT	Aditya	Aditya	Aditya	Aditya	Aditya
7	0126IT141008	AISHWARYA MALVIYA	Ash	Ash	Ash	Ash	Ash
8	0126IT141010	AKASH RAJPUT	Akash.	Akash.	Akash.	Akash.	Akash.
9	0126IT141011	ALEFIYA HUSSAIN	A	A	A	A	A
10	0126IT141012	AMAN AGRAWAL	Aman	Aman	Aman	Aman	Aman
11	0126IT141014	AMAN JAIN	Aman	Aman	Aman	Aman	Aman
12	0126IT141015	AMAN PANDEY	Aman Pandey	Aman Pandey	Aman Pandey	Aman Pandey	Aman Pandey
13	0126IT141016	ANINDYA PARASHAR	Anindya	Anindya	Anindya	Anindya	Anindya
14	0126IT141017	ANIRUDDHA TRIVEDI	Aniruddha	Aniruddha	Aniruddha	Aniruddha	Aniruddha
15	0126IT141018	ANJALI JAIN	Anjali J	Anjali J	Anjali J	Anjali J	Anjali J
16	0126IT141019	ANKIT KUMAR	Akumar	Akumar	Akumar	Akumar	Akumar
17	0126IT141020	ANKIT KUMAR	Ankit	Ankit	Ankit	Ankit	Ankit
18	0126IT141021	ANKIT PANDEY	A	A	A	A	A
19	0126IT141022	ANURAG RAI	Anurag	Anurag	Anurag	Anurag	Anurag
20	0126IT141023	ARCHIE BISEN	Archie	Archie	Archie	Archie	Archie
21	0126IT141024	ARPIT SINGH	Singh	Singh	Singh	Singh	Singh
22	0126IT141025	ARUN LOWANSHI	Arun	Arun	Arun	Arun	Arun
23	0126IT141026	ASHVINI PRAKASH	Ashvini	Ashvini	Ashvini	Ashvini	Ashvini
24	0126IT141027	ASTHA VYAS	Astha	Astha	Astha	Astha	Astha
25	0126IT141028	ATHIRA UNNI	Athira	Athira	Athira	Athira	Athira
26	0126IT141029	AYUSH SHRIVASTAVA	Ayush	Ayush	Ayush	Ayush	Ayush
27	0126IT141030	AYUSHI BAJAJ	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
28	0126IT141031	BIKASH KUMAR	A	A	A	A	A
29	0126IT141032	CHETAN KUMAR CHANDRAVANSHI	Chetan Kr.	Chetan Kr.	Chetan Kr.	Chetan Kr.	Chetan Kr.
30	0126IT141033	DEEPAK KUMAR SAHU	Deepak	Deepak	Deepak	Deepak	Deepak
31	0126IT141036	FARAZ IMRAN KHAN	Faraz Khan	Faraz Khan	Faraz Khan	Faraz Khan	Faraz Khan
32	0126IT141037	FARHA KHAN	Farha	Farha	Farha	Farha	Farha
33	0126IT141038	GARVITA SARAF	Garvita	Garvita	Garvita	Garvita	Garvita
34	0126IT141039	GAURAV	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
35	0126IT141040	GUNJAN RAGHUWANSHI	Gunjan	Gunjan	Gunjan	Gunjan	A
36	0126IT141042	HIMANGINEE SAHA	Himanginee	Himanginee	Himanginee	Himanginee	Himanginee
37	0126IT141043	KAUSAR PARVEEN	Parveen	Parveen	Parveen	Parveen	Parveen
38	0126IT141044	KM KAVYA AGNIHOTRI	Kavya	Kavya	Kavya	Kavya	Kavya
39	0126IT141045	KOMAL VIDYARTHI	Komal	Komal	Komal	Komal	Komal
40	0126IT141046	KRISHNA PATEL	Krishna	Krishna	Krishna	Krishna	Krishna
41	0126IT141047	KUMAR ANKIT	Kumar Ankit	Kumar Ankit	Kumar Ankit	Kumar Ankit	Kumar Ankit
42	0126IT141048	LOVELY PRIYA	Lovely	Lovely	Lovely	Lovely	Lovely
43	0126IT141049	MAHIMA GIRI	Mahima	Mahima	Mahima	Mahima	Mahima
44	0126IT141051	MUBSIRA AHMAD	Mubshirah	Mubshirah	Mubshirah	Mubshirah	Mubshirah
45	0126IT141052	NAMAN AGRAWAL	Naman	Naman	Naman	Naman	Naman
46	0126IT141053	NEHA ANAND	Neha	Neha	Neha	Neha	Neha
47	0126IT141054	NEHA KUMARI	Neha Kumari	Neha Kumari	Neha Kumari	Neha Kumari	Neha Kumari
48	0126IT141055	NEHA KUMARI	Nkumari	Nkumari	Nkumari	Nkumari	Nkumari
49	0126IT141056	NELSON B XAVIER	Nelson.	Nelson	Nelson	Nelson	Nelson
50	0126IT141058	NIKHIL SINGH BHADORIA	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
51	0126IT141059	POOJA TIWARI	Pooja	Pooja	Pooja	Pooja	Pooja
52	0126IT141060	PRACHI PRASHUN	Prachi	Prachi	Prachi	Prachi	Prachi
53	0126IT141061	PRACHI BISEN	Prachi	Prachi	Prachi	Prachi	Prachi
54	0126IT141062	PRAGYA JAIN	Pragya	Pragya	Pragya	Pragya	Pragya

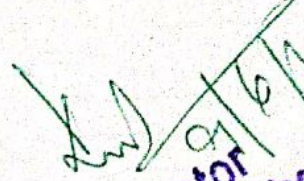
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 9/6/17



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 09/06/2017

56	0126IT141063	PRAGYA PUNDIR	Pragya	Pragya	Pragya	Pragya	Pragya
56	0126IT141064	PRANSHU PATHAK	Pranshu	Pranshu	Pranshu	Pranshu	Pranshu
57	0126IT141065	PRANSHU SAURABH	Pranshu	Pranshu	Pranshu	Pranshu	Pranshu
58	0126IT141066	PRATEEK BANSAL	Prateek	Prateek	Prateek	Prateek	Prateek
59	0126IT141067	PRIYADARSHINI	Priyanshu	Priyanshu	Priyanshu	Priyanshu	Priyanshu
60	0126IT141068	PRIYESH RAJORIYA	Priyesh	Priyesh	Priyesh	Priyesh	Priyesh
61	0126IT141069	RAGINI YADAV	Ragini	Ragini	Ragini	Ragini	Ragini
62	0126IT141070	RAHUL HARIPRIYA	Rahul	Rahul	Rahul	Rahul	Rahul
63	0126IT141071	RAJ NILAYAM	Raj	Raj	Raj	Raj	Raj
64	0126IT141072	RAJUL SINGH RAJPUT	Rajul	Rajul	Rajul	Rajul	Rajul
65	0126IT141073	RATAN SINGH	Ratan	Ratan	Ratan	Ratan	Ratan
66	0126IT141074	RAVINDRA SINGH	Ravindra	Ravindra	Ravindra	Ravindra	Ravindra
67	0126IT141075	RICA SIKDAR	Rikdar	Rikdar	Rikdar	Rikdar	Rikdar
68	0126IT141076	RICHA SRIVASTAVA	Richa	Richa	Richa	Richa	Richa
69	0126IT141077	RISHABH GAUR	Rishabh	Rishabh	Rishabh	Rishabh	Rishabh
70	0126IT141080	RITIKA SINGH	Ritika	Ritika	Ritika	Ritika	Ritika
71	0126IT141081	ROHAN SINHA	Rohan	Rohan	Rohan	Rohan	Rohan
72	0126IT141082	ROSHI KHOSLA	Roshi	Roshi	Roshi	Roshi	Roshi
73	0126IT141084	SACHIN ARTANI	Sachin	Sachin	Sachin	Sachin	Sachin
74	0126IT141085	SAKSHI GUPTA	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
75	0126IT141086	SANJEEV RAGHUWANSHI	Sanjeev	Sanjeev	Sanjeev	Sanjeev	Sanjeev
76	0126IT141087	SARITA RAI	Sarita	Sarita	Sarita	Sarita	Sarita
77	0126IT141089	SHANU SHIKHAR	Shanu	Shanu	Shanu	Shanu	Shanu
78	0126IT141090	SHARIM RAZA	Sharim Raza	Sharim Raza	Sharim Raza	Sharim Raza	Sharim Raza


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Value Added Course: JAVA Programming

Course Code: IT 30001

Marks List

SEM: 6 SEM

Session JAN-JUNE 2017

S.No	Enrollment No	Student Name	Class Room Assessment	Objective Type Test	Total Score	Eligible Or Ineligible
			50	50	100	
1	0126IT141001	AAKASH TIWARY		31	37	68 ELIGIBLE
2	0126IT141002	AAYUSHI GUPTA		33	40	73 ELIGIBLE
3	0126IT141004	ABHISHEK SHARMA		48	31	79 ELIGIBLE
4	0126IT141005	ABID SHEIKH		43	30	73 ELIGIBLE
5	0126IT141006	ADIBA ARSHAD		32	28	60 ELIGIBLE
6	0126IT141007	ADITYA PANDIT		40	29	69 ELIGIBLE
7	0126IT141008	AISHWARYA MALVIYA		48	46	94 ELIGIBLE
8	0126IT141010	AKASH RAJPUT		30	33	63 ELIGIBLE
9	0126IT141011	ALEFIYA HUSSAIN	A			0 NOT ELIGIBLE
10	0126IT141012	AMAN AGRAWAL		29	47	76 ELIGIBLE
11	0126IT141014	AMAN JAIN		28	38	66 ELIGIBLE
12	0126IT141015	AMAN PANDEY		29	30	59 ELIGIBLE
13	0126IT141016	ANINDYA PARASHAR		33	37	70 ELIGIBLE
14	0126IT141017	ANIRUDDHA TRIVEDI		31	36	67 ELIGIBLE
15	0126IT141018	ANJALI JAIN		40	29	69 ELIGIBLE
16	0126IT141019	ANKIT KUMAR		28	42	70 ELIGIBLE
17	0126IT141020	ANKIT KUMAR		33	40	73 ELIGIBLE
18	0126IT141021	ANKIT PANDEY	A			0 NOT ELIGIBLE
19	0126IT141022	ANURAG RAI		45	37	82 ELIGIBLE
20	0126IT141023	ARCHIE BISEN		48	34	82 ELIGIBLE
21	0126IT141024	ARPIT SINGH		26	40	66 ELIGIBLE
22	0126IT141025	ARUN LOWANSHI		29	40	69 ELIGIBLE
23	0126IT141026	ASHVINI PRAKASH		31	41	72 ELIGIBLE
24	0126IT141027	ASTHA VYAS		32	46	78 ELIGIBLE
25	0126IT141028	ATHIRA UNNI		15	26	41 NOT ELIGIBLE
26	0126IT141029	AYUSH SHRIVASTAVA		46	26	72 ELIGIBLE
27	0126IT141030	AYUSHI BAJAJ		28	40	68 ELIGIBLE
28	0126IT141031	BIKASH KUMAR	A			0 NOT ELIGIBLE
29	0126IT141032	CHETAN KUMAR CHANDRAVANSHI		45	45	90 ELIGIBLE
30	0126IT141033	DEEPAK KUMAR SAHU		26	40	66 ELIGIBLE
31	0126IT141036	FARAZ IMRAN KHAN		16	31	47 NOT ELIGIBLE
32	0126IT141037	FARHA KHAN		43	27	70 ELIGIBLE
33	0126IT141038	GARVITA SARAF		36	48	84 ELIGIBLE
34	0126IT141039	GAURAV		49	35	84 ELIGIBLE
35	0126IT141040	GUNJAN RAGHUWANSHI		46	A	46 NOT ELIGIBLE
36	0126IT141042	HIMANGINEE SAHA		26	36	62 ELIGIBLE
37	0126IT141043	KAUSAR PARVEEN		44	46	90 ELIGIBLE
38	0126IT141044	KM KAVYA AGNIHOTRI		29	44	73 ELIGIBLE
39	0126IT141045	KOMAL VIDYARTHI		26	28	54 ELIGIBLE
40	0126IT141046	KRISHNA PATEL		39	42	81 ELIGIBLE
41	0126IT141047	KUMAR ANKIT		26	36	62 ELIGIBLE
42	0126IT141048	LOVELY PRIYA		36	29	65 ELIGIBLE
43	0126IT141049	MAHIMA GIRI		41	45	86 ELIGIBLE
44	0126IT141051	MUBSIRA AHMAD		31	46	77 ELIGIBLE
45	0126IT141052	NAMAN AGRAWAL		26	39	65 ELIGIBLE
46	0126IT141053	NEHA ANAND		35	47	82 ELIGIBLE
47	0126IT141054	NEHA KUMARI		46	28	74 ELIGIBLE
48	0126IT141055	NEHA KUMARI		45	37	82 ELIGIBLE
49	0126IT141056	NELSON B XAVIER		39	31	70 ELIGIBLE
50	0126IT141058	NIKHIL SINGH BHADORIA		46	40	86 ELIGIBLE
51	0126IT141059	POOJA TIWARI		26	37	63 ELIGIBLE
52	0126IT141060	PRABHAT PRASHUN	A			0 NOT ELIGIBLE
53	0126IT141061	PRACHI BISEN		30	47	77 ELIGIBLE
54	0126IT141062	PRAGYA JAIN		31	35	66 ELIGIBLE
55	0126IT141063	PRAGYA PUNDIR		31	40	71 ELIGIBLE
56	0126IT141064	PRANSHU PATHAK		33	35	68 ELIGIBLE
57	0126IT141065	PRANSHU SAURABH		34	46	80 ELIGIBLE

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58	0126IT141066	PRATEEK BANSAL	40	44	84	ELIGIBLE
59	0126IT141067	PRIYADARSHINI	42	37	79	ELIGIBLE
60	0126IT141068	PRIYESH RAJORIYA	43	44	87	ELIGIBLE
61	0126IT141069	RAGINI YADAV	33	45	78	ELIGIBLE
62	0126IT141070	RAHUL HARIPRIYA	32	43	75	ELIGIBLE
63	0126IT141071	RAJ NILAYAM	46	28	74	ELIGIBLE
64	0126IT141072	RAJUL SINGH RAJPUT	48	39	87	ELIGIBLE
65	0126IT141073	RATAN SINGH	37	37	74	ELIGIBLE
66	0126IT141074	RAVINDRA SINGH	40	49	89	ELIGIBLE
67	0126IT141075	RICA SIKDAR	33	28	61	ELIGIBLE
68	0126IT141076	RICHA SRIVASTAVA	47	48	95	ELIGIBLE
69	0126IT141077	RISHABH GAUR	12	36	48	NOT ELIGIBLE
70	0126IT141080	RITIKA SINGH	45	34	79	ELIGIBLE
71	0126IT141081	ROHAN SINHA	33	34	67	ELIGIBLE
72	0126IT141082	ROSHI KHOSLA	37	31	68	ELIGIBLE
73	0126IT141084	SACHIN ARTANI	49	35	84	ELIGIBLE
74	0126IT141085	SAKSHI GUPTA	34	31	65	ELIGIBLE
75	0126IT141086	SANJEEV RAGHUWANSHI	38	36	74	ELIGIBLE
76	0126IT141087	SARITA RAI	37	32	69	ELIGIBLE
77	0126IT141089	SHANU SHIKHAR	27	39	66	ELIGIBLE
78	0126IT141090	SHARIM RAZA	28	49	77	ELIGIBLE

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Director
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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 - 2016-17

CERTIFICATE

*This is to certify that Mr./Ms Raj Nilayam of IT VI Semester, OCT, Bhopal, has
Successfully Completed the "Value Added Course" on "JAVA Programming"
during 16-20 Jan 2017, organized by Department of Information Technology,
Oriental College of Technology, Bhopal.*



[Signature]

Co-Ordinator, IT, OCT

[Signature]

Head of Department, IT OCT

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

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

[Signature]


Director, OCT

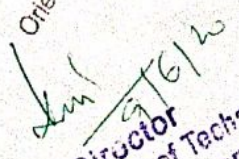
Course Evaluation/ Feedback Form

Course Added Course	JAVA
Date:	16TO 20 January 2017
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr Imran Khan, Mr Avinash Sharma, Mrs Sapna Kushwah

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

	Excellent	Very Good	Good	Fair	Poor
Receive syllabus & instructions at first	✓				
Course objectives stated clearly		✓			
Material presented in class matches syllabus			✓		
Instructor responded questions	✓				
Instructor demonstrates adequate knowledge of course		✓			
Instructor uses appropriate teaching methods			✓		
Instructor returns papers & tests promptly	✓				
Class time is used efficient		✓			
Instructor is helpful			✓		
Instructor is well prepared	✓				
Instructors overall teaching			✓		
Recommend the class			✓		


 Head of Department
 Information Technology
 Oriental College of Technology, Bhopal


 Director
 Oriental College of Technology
 Thakral Nagar, Raisen road
 Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Information Technology



Report on Value Added Course on JAVA

Date and Time: 16 January , to 20 Januray, 2017. **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 , Mr Avinash Sharma, Mrs Sapna Kushwah. **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 January 16th , 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

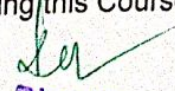
gave away the vote of thank.. At the end the convener thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Roopali Soni

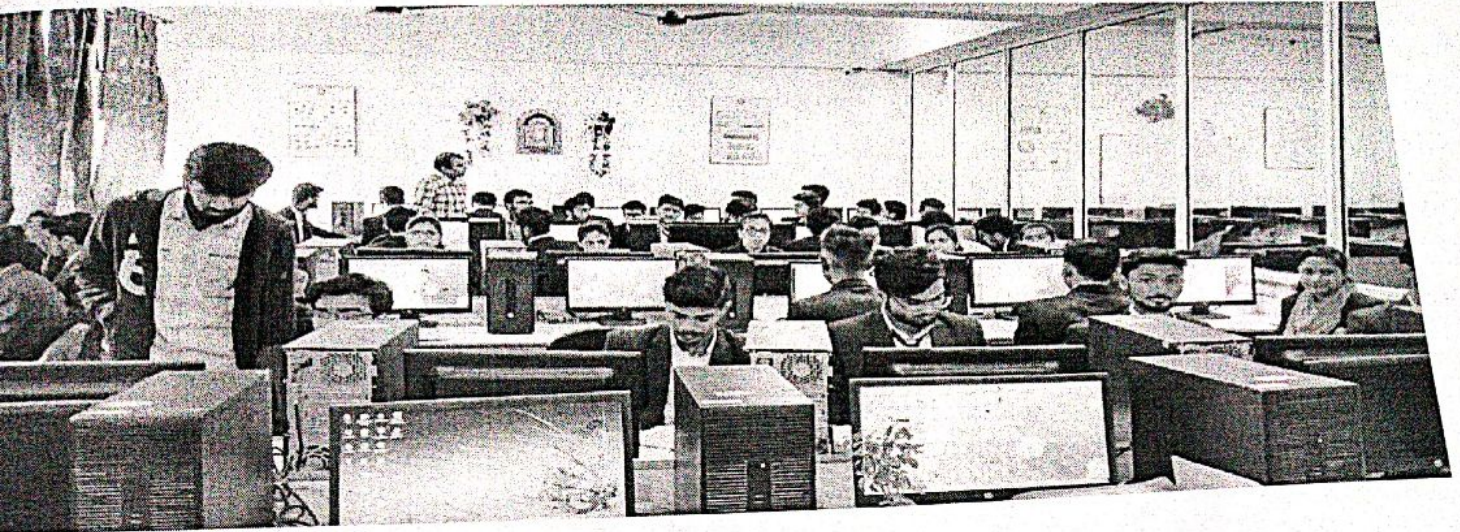
Course Convenor

IT, OCT



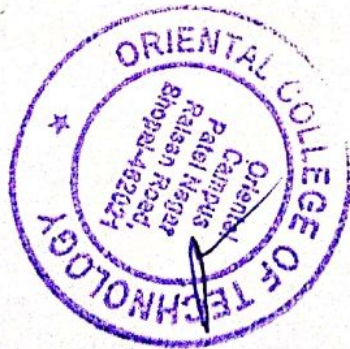

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

16-20 jan 2017



du

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





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Fax: 0755-2529472
E-mail: directoroct@oriental.ac.in
Website: <http://www.oriental.ac.in/oct-bhopal/>

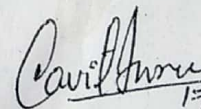
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Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

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
Thakral Nagar, Raisen Road
Bhopal

Value Added Course
on
“EMBEDDED SYSTEM”
[13-17 February, 2017]
For III -Year Students

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.

COMMITTEE MEMBERS

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. N. K. Agrawal Director, OCT, Bhopal

CONVENOR

Dr. Rahul Dubey, 7987186230

COURSE COORDINATOR

Mr. Arvind Sahu, 9131599475

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

ORGANISING COMMITTEE MEMBER

Mr. Arvind Sahu, 9131599475

Mr. Kapil Gupta, 7869317894

Mr. Amish Jha, 9098715184

CONTACT

Dr. Rahul Dubey,
oathodec@oriental.ac.in
7987186230

Rahul
7/16/2020
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



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 are eligible to attend the Embedded System course.

REGISTRATION

No Registration fees.

Oriental College of Technology, Bhopal



Organised By
Department of Electronics & Communication Engineering



Registration Form

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address.....

.....

City & Pin.....

E-mail id.....

Contact No:.....

[Handwritten Signature]
Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



Head of Department
[Handwritten Signature]
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

Place:
Date:

Signature with Seal
Head of the Department

Oriental College of Technology, Bhopal

Department of Electronics & Communication
Syllabus for Value Added Course: Embedded Systems
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 :Density Based Traffic Signal System

This system uses IR sensors to measure the traffic density. In which, arrange one IR sensor for each road; these sensors always sense the traffic on that particular road. All these sensors are interfaced to the microcontroller. Based on these sensors, controller detects the traffic and controls the traffic system.

Components Required : ATmega8 controller, PCB board, IR sensors - 4 units, LED's- 12(4-red, 4-green, 4-yellow), 12V Battery or adaptor, Serial cable, Connecting wires.



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Department
of Electronics Engineering
Oriental College of Technology, Bhopal

COURSE SCHEDULE

30 Hrs./ 5 Days Value Added Course on Embedded System

13-17 Feb, 2017

13 Feb 2017

Time Slot	Session	Teacher / Instructor
9:15-09:30 AM	Inaugural Programme	Mr. Arvind Sahu
09:30 AM-12:30PM	Introduction to Foundations of C programming Types	Mr. Arvind Sahu
12:30-01:15PM	LUNCH	
01:15-3:15PM	Introduction to Embedded Systems	Mr. Kapil Gupta
3:15 -3:30PM	Break	
03:30-4:30PM	8051 Architecture and C51 Assembly Language Programming	Mr. Arvind Sahu

14 Feb 2017

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. Arvind Sahu
01:00-2:00PM	LUNCH	
02:00-4:30PM	Practice Session on assigned kit	Mr. Arvind Sahu

15 Feb 2017

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. Arvind Sahu
01:00-2:00PM	LUNCH	
02:00-4:30PM	Software planning & Hardware design	Mr. Arvind Sahu

16 Feb 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Introduction to Biometric Attendance System design	Mr. Arvind Sahu
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Arvind Sahu
01:00-2:00PM	LUNCH	
02:00-4:30PM	Knowing components for Biometric Attendance System design	Mr. Kapil Gupta

17 Feb 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Designing of Biometric Attendance System	Mr. Arvind Sahu
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. Arvind Sahu
2:30-3:30PM	Filling of Students Feedback form	Mr. Arvind Sahu
3:30-4:30PM	Valedictory & Certificate distribution	Mr. Arvind Sahu



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Value Added course on Embedded System
Objective Test (MCQ), Date: 13-17 Feb 2017

Branch :	Electronics & Communication Engineering		Max. Marks-50
Semester:	Sixth Semester		Minimum Marks:25
Subject:	Embedded System	Subject Code: EC 30001	Time :1:30 Hrs

Note: 1. The question from 1 to 30 is of 1 marks each.
2. The question from 31 to 40 is of 2 marks each.

- Which of the following is a coprocessor of 80386?
a) 80387 b) 8087 c) 8089 d) 8088
 - Name the processor which helps in floating point calculations.
a) Microprocessor b) microcontroller
c) Coprocessor d) controller
 - Which is the coprocessor of 8086?
a) 8087 b) 8088 c) 8086 d) 8080
 - Which of the following is a coprocessor of Motorola 68000 family?
a) 68001 b) 68011 c) 68881 d) 68010
 - Which of the following processors can perform exponential, logarithmic and trigonometric functions?
a) 8086 b) 8087 c) 8080 d) 8088
 - How many stack register does an 8087 have?
a) 4 b) 8 c) 16 d) 32
 - Which of the following processor can handle infinity values?
a) 8080 b) 8086 c) 8087 d) 8088
 - Which coprocessor supports affine closure?
a) 80187 b) 80287 c) 80387 d) 8088
 - Which one is the floating point coprocessor of 80286?
a) 8087 b) 80187 c) 80287 d) 80387
- View Answer Answer: c Explanation: 80286 supports 80287 as its floating point coprocessor which helps in floating point calculations.
- How many pins does 8087 have?
a) 40 pin DIP b) 20 pin DIP
c) 40 pins d) 20 pins
 - Which of the following can destroy the accuracy in the algorithms?
a) Delays b) error signal c) Interrupt d) mmu



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12. How are negative numbers stored in a coprocessor?
 a) 1's complement b) 2's complement c) decimal d) gray
13. How many bits are used for storing signed integers?
 a) 2 b) 4 c) 8 d) 16
14. Which of the processor has an internal coprocessor?
 a) 8087 b) 80287 c) 80387 d) 80486DX
15. What are the two major sections in a coprocessor?
 a) control unit and numeric control unit b) integer unit and control unit
 c) floating point unit and coprocessor unit d) coprocessor unit and numeric control unit
16. What is 80/20 rule?
 a) 80% instruction is generated and 20% instruction is executed
 b) 80% instruction is executed and 20% instruction is generated
 c) 80% instruction is executed and 20% instruction is not executed
 d) 80% instruction is generated and 20% instructions are not generated
17. Which of the architecture is more complex?
 a) SPARC b) MC68030 c) MC68030 d) 8086
18. Which is the first company who defined RISC architecture?
 a) Intel b) IBM c) Motorola d) MIPS
19. Which of the following processors execute its instruction in a single cycle?
 a) 8086 b) 8088 c) 8087 d) MIPS R2000
20. How is memory accessed in RISC architecture?
 a) load and store instruction b) opcode instruction c) memory instruction d) bus instruction
21. Which of the following has a Harvard architecture
 a) EDSAC b) SSEM c) PIC d) CSIRAC
22. Which of the following statements are true for von Neumann architecture?
 a) shared bus between the program memory and data memory
 b) separate bus between the program memory and data memory
 c) external bus for program memory and data memory
 d) external bus for data memory only
23. What is CAM stands for?
 a) content-addressable memory b) complex addressable memory
 c) computing addressable memory d) concurrently addressable memory
24. Which of the following processors uses Harvard architecture?
 a) TEXAS TMS320 b) 80386 c) 80286 d) 8086
25. Which company further developed the study of RISC architecture?
 a) Intel b) Motorola c) university of Berkeley d) MIPS
26. Princeton architecture is also known as
 a) von Neumann architecture b) Harvard c) RISC d) CISC



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 7/5/20
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27. Who coined the term RISC?
 a) David Patterson b) von Neumann c) Michael J Flynn d) Harvard
28. Which of the following is an 8-bit RISC Harvard architecture?
 a) AVR b) Zilog80 c) 8051 d) Motorola 6800
29. Which of the following processors has CISC architecture?
 a) AVR b) Atmel c) Blackfin d) Zilog Z80
30. Which is the most basic non-volatile memory?
 a) Flash memory b) PROM c) EPROM d) ROM
31. Who has invented flash memory?
 a) Dr. Fujio Masuoka b) John Ellis c) Josh Fisher d) John Rutttenberg
32. Which of the following is serial access memory?
 a) RAM b) Flash memory c) Shifters d) ROM
33. Which is the early form of non-volatile memory?
 a) magnetic core memory b) ferrimagnetic memory
 c) anti-magnetic memory d) anti-ferromagnetic
34. Which of the following memories has more speed in accessing data?
 a) SRAM b) DRAM c) EPROM d) EEPROM
35. In which memory, the signals are multiplexed?
 a) DRAM b) SRAM c) EPROM d) EEPROM
36. How many main signals are used with memory chips?
 a) 2 b) 4 c) 6 d) 8
37. What is the purpose of address bus?
 a) to provide data to and from the chip b) to select a specified chip
 c) to select a location within the memory chip d) to select a read/write cycle
38. Which are the two main types of processor connection to the motherboard?
 a) sockets and slots b) sockets and pins c) slots and pins d) pins and ports
39. Which of the following has programmable hardware?
 a) microcontroller b) microprocessor c) coprocessor d) FPGA
40. Who invented TriMedia processor?
 a) Intel b) IBM c) Apple d) NXP Semiconductor .



Class Room Assessment

Passing Marks: 25

Total Marks: 50

(Signature)
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Q: Design density based traffic signal system.

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: *Embedded System*

Course Code :

Students Attendance Sheet , 13-17 Feb 2017

S.NO.	ENROLL NO	NAME OF STUDENT	13/02	14/02	15/02	16/02	17/02
1	0126EC141001	AARADHANA RAJPUT	Aaradhana	Aaradhana	Aaradhana	Aaradhana	Aaradhana
2	0126EC141002	ABHA KUMARI	Abha	Abha	Abha	Abha	Abha
3	0126EC141003	ABHIJEET KUMAR	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet
4	0126EC141004	ACHYUTANAND MISHRA	Amishra	Amishra	Amishra	Amishra	Amishra
5	0126EC141005	ADITYA PRAKASH	aditya	aditya	aditya	aditya	aditya
6	0126EC141006	AJAY KUMAR	Ajay	Ajay	Ajay	Ajay	Ajay
7	0126EC141007	AKANSHA JAIN	Ajain	Ajain	Ajain	Ajain	Ajain
8	0126EC141008	AKHIL DIXIT	Akhit	Akhit	Akhit	Akhit	Akhit
9	0126EC141009	AKSHAT SHRIVASTAVA	Akshat	Akshat	Akshat	Akshat	Akshat
10	0126EC141010	AKSHAY BHESOTA	Akshay	Akshay	Akshay	Akshay	Akshay
11	0126EC141011	AMAN JAIN	Aman	Aman	Aman	Aman	Aman
12	0126EC141012	AMAN RAJ	Aman	Aman	Aman	Aman	Aman
13	0126EC141013	AMAN RAJ	Aman	Aman	Aman	Aman	Aman
14	0126EC141015	ANAND KUMAR	ANAND	ANAND	ANAND	ANAND	ANAND
15	0126EC141016	ANAND PACHORI	Anand	Anand	Anand	Anand	Anand
16	0126EC141017	ANIKET PUROHIT	Aniket	Aniket	Aniket	Aniket	Aniket
17	0126EC141018	ANIKET SHARMA	Asharma	Asharma	Asharma	Asharma	Asharma
18	0126EC141019	ANISHA KUMARI	Anisha	Anisha	Anisha	Anisha	Anisha
19	0126EC141020	ANJALI KUMARI	Anjali	Anjali	Anjali	Anjali	Anjali
20	0126EC141021	ANKESH KUMAR	Ankesh	Ankesh	Ankesh	Ankesh	Ankesh
21	0126EC141022	ANKITA SHUKLA	Ankita	Ankita	Ankita	Ankita	Ankita
22	0126EC141023	ANSHU KUMAR	Anshu	Anshu	Anshu	Anshu	Anshu
23	0126EC141024	ANUJ MOHAN SRIVASTAV	Anuj	Anuj	Anuj	Anuj	Anuj
24	0126EC141026	ANUSHEEL PANDEY	Anusheel	Anusheel	Anusheel	Anusheel	Anusheel
25	0126EC141027	APOORVA VAIDH	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
26	0126EC141028	APURVA SHRIVASTAVA	Apurva	Apurva	Apurva	Apurva	Apurva
27	0126EC141030	ARPAN GAHOI	A	A	A	A	A
28	0126EC141031	ASHUTOSH KUMAR	A.kumar	A.kumar	A.kumar	A.kumar	A.kumar
29	0126EC141032	ASTHA GUPTA	Astha	Astha	Astha	Astha	Astha
30	0126EC141033	AVINASH KUMAR GUPTA	Avinash	Avinash	Avinash	Avinash	Avinash
31	0126EC141034	AYUSH TIWARI	A	A	A	A	A
32	0126EC141035	AYUSHI DUBEY	A.dubey	A.dubey	A.dubey	A.dubey	A.dubey
33	0126EC141036	BALRAM VERMA	Balram	Balram	Balram	Balram	Balram
34	0126EC141037	CHANDAN KUMAR	Chandan	Chandan	Chandan	Chandan	Chandan
35	0126EC141039	DEEKSHA AGRAWAL	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
36	0126EC141040	DHAIRYA VINAY CHHATRE	Dhairya	Dhairya	Dhairya	Dhairya	Dhairya
37	0126EC141041	DHARMENDRA	D	D	D	D	D
38	0126EC141042	DIKSHA GAUTAM	Diksha	Diksha	Diksha	Diksha	Diksha
39	0126EC141043	DINESH RATHOUR	Rathore	Rathore	Rathore	Rathore	Rathore
40	0126EC141044	HARI OM MEENA	Harion	Harion	Harion	Harion	Harion
41	0126EC141045	HARSH DIXIT	Harsh	Harsh	Harsh	Harsh	Harsh
42	0126EC141046	HARSH JAIN	Harsh	Harsh	Harsh	Harsh	Harsh
43	0126EC141048	HARSHIKA TIWARI	Harshika	Harshika	Harshika	Harshika	Harshika
44	0126EC141049	HIMANSHU GUPTA	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: *Embedded System*
Course Code :

Students Attendance Sheet , 13-17 Feb 2017

S.NO.	ENROLL NO	NAME OF STUDENT	13/02	14/02	15/02	16/02	17/02
45	0126EC141050	HIMANSHU JAISWAL	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu
46	0126EC141054	JYOTI RATHORE	JYOTI	JYOTI	JYOTI	JYOTI	JYOTI
47	0126EC141055	KAJAL KUMARI	Kajal	Kajal	Kajal	Kajal	Kajal
48	0126EC141056	KAJAL SINGH	Kajal	Kajal	Kajal	Kajal	Kajal
49	0126EC141057	KANIKA SHARMA	K.Sharma	K.Sharma	K.Sharma	K.Sharma	K.Sharma
50	0126EC141058	KM SWAPNIL JAIN	K.S.Jain	K.S.Jain	K.S.Jain	K.S.Jain	K.S.Jain
51	0126EC141059	MANI MEGHLAY ANAND	mani	mani	mani	mani	mani
52	0126EC141060	MONICA	Monica	Monica	Monica	Monica	Monica
53	0126EC141061	MONICA RAO	M.Rao	M.Rao	M.Rao	M.Rao	M.Rao
54	0126EC141062	NEELIMA TIWARI	Neelima	Neelima	Neelima	Neelima	Neelima
55	0126EC141063	NIKITA GUPTA	N Gupta	N Gupta	N Gupta	N Gupta	N Gupta
56	0126EC141064	NISHI GUPTA	N Gupta	N Gupta	N Gupta	N Gupta	N Gupta
57	0126EC141065	NITIN KATYAYAN	Nitin	Nitin	Nitin	Nitin	Nitin
58	0126EC141066	NITYA	NITYA	NITYA	NITYA	NITYA	NITYA
59	0126EC141067	NIVEDITA KUMARI	Nivedita	Nivedita	Nivedita	Nivedita	Nivedita
60	0126EC141068	NUPUR GURJAR	Nupur	Nupur	Nupur	Nupur	Nupur
61	0126EC141069	PALLAVI	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
62	0126EC141070	PANKAJ SENGAR	A	A	A	A	A
63	0126EC141071	PIYUSH KESARWANI	Piyush	Piyush	Piyush	Piyush	Piyush
64	0126EC141072	POOJA THAKUR	Pooja	Pooja	Pooja	Pooja	Pooja
65	0126EC141073	PRAGYA AGRAWAL	Pragya	Pragya	Pragya	Pragya	Pragya
66	0126EC141074	PRANAY RAJ	Pranay	Pranay	Pranay	Pranay	Pranay
67	0126EC141075	PRASANTH	A	A	A	A	A
68	0126EC141076	PRAVEEN KUMAR	Praveen	Praveen	Praveen	Praveen	Praveen
69	0126EC141077	PRERNA PRAJAPATI	Prerna	Prerna	Prerna	Prerna	Prerna
70	0126EC141079	RACHIT DARE	A	A	A	A	A
71	0126EC141080	RAHUL ROHIRA	A	A	A	A	A
72	0126EC141081	RAIMA RAJ	Raj	Raj	Raj	Raj	Raj
73	0126EC141082	REEMA KUMARI	Reema	Reema	Reema	Reema	Reema
74	0126EC141083	RITESH KUMAR	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh
75	0126EC141084	ROHIT KUMAR	Rohit	Rohit	Rohit	Rohit	Rohit
76	0126EC141085	ROSHAN KUMAR	R.K	R.K	R.K	R.K	R.K
77	0126EC141086	ROSHIYA R JOHN	R	R	R	R	R
78	0126EC141087	RUPALI SHARMA	Rupali	Rupali	Rupali	Rupali	Rupali
79	0126EC141089	SACHIN RAGHUWANSHI	A	A	A	A	A
80	0126EC141090	SAJAL SINGHAI	Sajal	Sajal	Sajal	Sajal	Sajal
81	0126EC141091	SAKSHI JAIN	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
82	0126EC141092	SAKSHI SAXENA	S.S	S.S	S.S	S.S	S.S
83	0126EC141093	SANDEEP ARTANI	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
84	0126EC141094	SHANKEY SAHU	S.S	S.S	S.S	S.S	S.S
85	0126EC141096	SHASHI KANT	Shashi	Shashi	Shashi	Shashi	Shashi
86	0126EC141097	SHILPY KUMARI	Shilpy	Shilpy	Shilpy	Shilpy	Shilpy
87	0126EC141098	SHRADDHA AGARWAL	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: *Embedded System*

Course Code :

Students Attendance Sheet , 13-17 Feb 2017

S.NO.	ENROLL NO	NAME OF STUDENT	13/02	14/02	15/02	16/02	17/02
88	0126EC141099	SHRUTI SHRIVASTAVA	Shruti	Shruti	Shruti	Shruti	Shruti
89	0126EC141100	SHUBHAM DHAKAD	Shubham	Shubham	Shubham	Shubham	Shubham
90	0126EC141101	SHUBHAM JAIN	Shubham	Shubham	Shubham	Shubham	Shubham
91	0126EC141102	SHUBHAM SAHU	SS	SS	SS	SS	SS
92	0126EC141103	SHUBHAM TRIPATHI	Shubham	Shubham	Shubham	Shubham	Shubham
93	0126EC141104	SONALI TYAGI	Sonali	Sonali	Sonali	Sonali	Sonali
94	0126EC141105	SOURABH SANTORE	Santore	Santore	Santore	Santore	Santore
95	0126EC141106	SUNIL KUMAR	Sunil	Sunil	Sunil	Sunil	Sunil
96	0126EC141107	SURAJ SAHU	A	A	A	A	Sunil Sahu
97	0126EC141108	SURBHI SINGH	Surbhi	Surbhi	Surbhi	Surbhi	Surbhi
98	0126EC141109	SWECHHA DWIVEDI	Swechha	Swechha	Swechha	Swechha	Swechha
99	0126EC141110	TANISHA GOINDANI	TANISHA	TANISHA	TANISHA	TANISHA	TANISHA
100	0126EC141111	TANYA ARORA	Tanya	Tanya	Tanya	Tanya	Tanya
101	0126EC141112	TEJ RAM PATEL	Tej	Tej	Tej	Tej	Tej
102	0126EC141113	TRISHA ACHARYA	Trisha	Trisha	Trisha	Trisha	Trisha
103	0126EC141114	TUSHAR RAICHANDANI	Tushar	Tushar	Tushar	Tushar	Tushar
104	0126EC141115	UTKARSH DIXIT	A	A	A	A	A
105	0126EC141116	UTKARSH DUBEY	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh
106	0126EC141117	VARTIKA AGRAWAL	Vartika	Vartika	Vartika	Vartika	Vartika
107	0126EC141118	VIJETA MOOLCHANDANI	Vijeta	Vijeta	Vijeta	Vijeta	Vijeta
108	0126EC141119	VIVEK KUMAR	Vivek	Vivek	Vivek	Vivek	Vivek
109	0126EC141120	YASH JAIN	Yash	Yash	Yash	Yash	Yash
110	0126EC153D01	MOHANI SONI	Mohani	Mohani	Mohani	Mohani	Mohani
111	0126EC153D02	SIDDHARTH	Siddharth	Siddharth	Siddharth	Siddharth	Siddharth

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



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

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code : EC 30001

Students Assessment Sheet , 13-17 Feb 2017

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	0126EC141001	AARADHANA RAJPUT	32	30	62	Eligible
2	0126EC141002	ABHA KUMARI	28	26	54	Eligible
3	0126EC141003	ABHIJEET KUMAR	47	47	94	Eligible
4	0126EC141004	ACHYUTANAND MISHRA	25	30	55	Eligible
5	0126EC141005	ADITYA PRAKASH	35	40	75	Eligible
6	0126EC141006	AJAY KUMAR	38	34	72	Eligible
7	0126EC141007	AKANSHA JAIN	26	32	58	Eligible
8	0126EC141008	AKHIL DIXIT	28	30	58	Eligible
9	0126EC141009	AKSHAT SHRIVASTAVA	35	38	73	Eligible
10	0126EC141010	AKSHAY BHESOTA	32	30	62	Eligible
11	0126EC141011	AMAN JAIN	28	26	54	Eligible
12	0126EC141012	AMAN RAJ	26	30	56	Eligible
13	0126EC141013	AMAN RAJ	25	30	55	Eligible
14	0126EC141015	ANAND KUMAR	35	40	75	Eligible
15	0126EC141016	ANAND PACHORI	38	34	72	Eligible
16	0126EC141017	ANIKET PUROHIT	24	30	54	Eligible
17	0126EC141018	ANIKET SHARMA	28	30	58	Eligible
18	0126EC141019	ANISHA KUMARI	35	38	73	Eligible
19	0126EC141020	ANJALI KUMARI	32	30	62	Eligible
20	0126EC141021	ANKESH KUMAR	28	26	54	Eligible
21	0126EC141022	ANKITA SHUKLA	26	30	56	Eligible
22	0126EC141023	ANSHU KUMAR	30	30	60	Eligible
23	0126EC141024	ANUJ MOHAN SRIVASTAV	47	47	94	Eligible
24	0126EC141026	ANUSHEEL PANDEY	30	30	60	Eligible
25	0126EC141027	APOORVA VAIDH	47	47	94	Eligible
26	0126EC141028	APURVA SHRIVASTAVA	25	27	52	Eligible
27	0126EC141030	ARPAN GAHOI	A	A	0	Not Eligible
28	0126EC141031	ASHUTOSH KUMAR	28	26	54	Eligible
29	0126EC141032	ASTHA GUPTA	26	30	56	Eligible
30	0126EC141033	AVINASH KUMAR GUPTA	30	30	60	Eligible
31	0126EC141034	AYUSH TIWARI	A	A	0	Not Eligible
32	0126EC141035	AYUSHI DUBEY	30	30	60	Eligible
33	0126EC141036	BALRAM VERMA	26	30	56	Eligible
34	0126EC141037	CHANDAN KUMAR	42	30	72	Eligible
35	0126EC141039	DEEKSHA AGRAWAL	47	47	94	Eligible
36	0126EC141040	CHHATRE	25	30	55	Eligible
37	0126EC141041	DHARMENDRA	35	40	75	Eligible
38	0126EC141042	DIKSHA GAUTAM	38	34	72	Eligible
39	0126EC141043	DINESH RATHOUR	24	30	54	Eligible
40	0126EC141044	HARI OM MEENA	28	30	58	Eligible
41	0126EC141045	HARSH DIXIT	35	38	73	Eligible
42	0126EC141046	HARSH JAIN	32	30	62	Eligible
43	0126EC141048	HARSHIKA TIWARI	28	26	54	Eligible
44	0126EC141049	HIMANSHU GUPTA	26	30	56	Eligible
45	0126EC141050	HIMANSHU JAISWAL	25	27	52	Eligible
46	0126EC141054	JYOTIRATHORE	32	30	62	Eligible
47	0126EC141055	KAJAL KUMARI	28	26	54	Eligible



Head of Department
Electronics & Communication Engineering
Oriental College of Technology

Oriental College
Thakral Nagar, Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code : EC 3001

Students Assessment Sheet , 13-17 Feb 2017

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
48	0126EC141056	KAJAL SINGH	26	30	56	Eligible
49	0126EC141057	KANIKA SHARMA	30	30	60	Eligible
50	0126EC141058	KM SWAPNIL JAIN	47	47	94	Eligible
51	0126EC141059	MANI MEGHLAY ANAND	26	30	56	Eligible
52	0126EC141060	MONICA	32	30	62	Eligible
53	0126EC141061	MONICA RAO	28	26	54	Eligible
54	0126EC141062	NEELIMA TIWARI	26	30	56	Eligible
55	0126EC141063	NIKITA GUPTA	30	30	60	Eligible
56	0126EC141064	NISHI GUPTA	47	47	94	Eligible
57	0126EC141065	NITIN KATYAYAN	28	30	58	Eligible
58	0126EC141066	NITYA	25	27	52	Eligible
59	0126EC141067	NIVEDITA KUMARI	47	47	94	Eligible
60	0126EC141068	NUPUR GURJAR	32	30	62	Eligible
61	0126EC141069	PALLAVI	28	26	54	Eligible
62	0126EC141070	PANKAJ SENGAR	A	A	0	Not Eligible
63	0126EC141071	PIYUSH KESARWANI	47	47	94	Eligible
64	0126EC141072	POOJA THAKUR	32	30	62	Eligible
65	0126EC141073	PRAGYA AGRAWAL	28	26	54	Eligible
66	0126EC141074	PRANAY RAJ	26	30	56	Eligible
67	0126EC141075	PRASANTH	A	A	0	Not Eligible
68	0126EC141076	PRAVEEN KUMAR	28	32	60	Eligible
69	0126EC141077	PRERNA PRAJAPATI	30	30	60	Eligible
70	0126EC141079	RACHIT DARE	A	A	0	Not Eligible
71	0126EC141080	RAHUL ROHIRA	A	A	0	Not Eligible
72	0126EC141081	RAIMA RAJ	26	30	56	Eligible
73	0126EC141082	REEMA KUMARI	42	30	72	Eligible
74	0126EC141083	RITESH KUMAR	25	27	52	Eligible
75	0126EC141084	ROHIT KUMAR	30	30	60	Eligible
76	0126EC141085	ROSHAN KUMAR	30	30	60	Eligible
77	0126EC141086	ROSHIYA R JOHN	28	32	60	Eligible
78	0126EC141087	RUPALI SHARMA	30	30	60	Eligible
79	0126EC141089	SACHIN RAGHUWANSHI	A	A	0	Not Eligible
80	0126EC141090	SAJAL SINGHAI	30	30	60	Eligible
81	0126EC141091	SAKSHI JAIN	26	30	56	Eligible
82	0126EC141092	SAKSHI SAXENA	47	47	94	Eligible
83	0126EC141093	SANDEEP ARTANI	25	27	52	Eligible
84	0126EC141094	SHANKEY SAHU	32	30	62	Eligible
85	0126EC141096	SHASHI KANT	28	26	54	Eligible
86	0126EC141097	SHILPY KUMARI	26	30	56	Eligible
87	0126EC141098	SHRADDHA AGARWAL	32	30	62	Eligible
88	0126EC141099	SHRUTI SHRIVASTAVA	28	26	54	Eligible
89	0126EC141100	SHUBHAM DHAKAD	26	30	56	Eligible
90	0126EC141101	SHUBHAM JAIN	26	30	56	Eligible
91	0126EC141102	SHUBHAM SAHU	42	30	72	Eligible
92	0126EC141103	SHUBHAM TRIPATHI	30	30	60	Eligible
93	0126EC141104	SONALI TYAGI	47	47	94	Eligible
94	0126EC141105	SOURABH SANTORE	32	30	62	Eligible

Head of Department
Electronics & Communication Engineering

Oriental College of Technology
Thalrai Nagar, Bhopal
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Value Added Course: Embedded System

Course Code : EC 30001

Students Assessment Sheet , 13-17 Feb 2017

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
95	0126EC141106	SUNIL KUMAR	28	26	54	Eligible
96	0126EC141107	SURAJ SAHU	A	A	0	Not Eligible
97	0126EC141108	SURBHI SINGH	30	26	56	Eligible
98	0126EC141109	SWECHHA DWIVEDI	26	30	56	Eligible
99	0126EC141110	TANISHA GOINDANI	47	47	94	Eligible
100	0126EC141111	TANYA ARORA	25	27	52	Eligible
101	0126EC141112	TEJ RAM PATEL	32	30	62	Eligible
102	0126EC141113	TRISHA ACHARYA	28	26	54	Eligible
103	0126EC141114	TUSHAR RAICHANDANI	26	30	56	Eligible
104	0126EC141115	UTKARSH DIXIT	A	A	0	Not Eligible
105	0126EC141116	UTKARSH DUBEY	26	26	52	Eligible
106	0126EC141117	VARTIKA AGRAWAL	26	30	56	Eligible
107	0126EC141118	VIJETA MOOLCHANDANI	26	30	56	Eligible
108	0126EC141119	VIVEK KUMAR	42	30	72	Eligible
109	0126EC141120	YASH JAIN	32	30	62	Eligible
110	0126EC153D01	MOHANI SONI	28	26	54	Eligible
111	0126EC153D02	SIDDHARTH	26	30	56	Eligible

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



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Course Evaluation/ Feedback Form

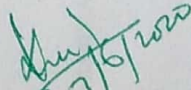
Value Added Course	Embedded System
Duration	13-17 Feb 2017
Venue	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Arvind Sahu

Please respond to the following statements by using the 5-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

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

1. The instructor is well prepared for class session.	5 4 3 2 1 <u>5</u>
2. The instructor answered all question carefully and completely.	5 4 3 2 1 <u>4</u>
3. The instructor uses example to make material understand.	5 4 3 2 1 <u>4</u>
4. The instructor stimulated interest in the course.	5 4 3 2 1 <u>5</u>
5. The instructor made the course material interesting.	5 4 3 2 1 <u>4</u>
6. The materials provided were sufficient & appropriate for the program.	5 4 3 2 1 <u>5</u>




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

CERTIFICATE

EC ORIENTAL

This is to certify that Mr./Ms. Nivedita Kumari of EC-VI Sem , OCT, Bhopal, has Successfully Completed the “Value Added Course” on “Embedded System” during 13-17 Feb 2017, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.

Amal
Coordinator



Amal
HOD, EC

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

[Signature]
Director, OCT



[Handwritten signature]

Director
Oriental College of Technology
Thakral Marg, Krishna Road
Bhopal

[Handwritten signature]

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



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Electronics & Communication Engineering Department

Report on Embedded System (Value Added Course)

Date and Time: 13-17 February, 2017, **Venue:** ECE, OCT

Organized by: ECE, OCT, Bhopal.

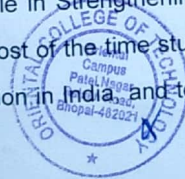
Name of the Speakers: Mr. Arvind Sahu, Assistant Professor, EC, OCT, Mr. Kapil Gupta, Assistant Professor, EC, OCT, & Mr. Amish Ku. Jha, Assistant Professor, EC, OCT.

Participants Details: 3rd year students of ECE

Summary of the program

According to the need of institute-industry collaboration, importance of the value-added course is growing day by day. Oriental college of technology provides a large variety of short duration certificate courses for preparing the students according to industrial demands. These courses are conducted to help students stand apart from the rest in the job market by adding further value to their carriers.

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



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

the defined academic syllabus, the Electronics & Communication Engineering Department of Oriental College of Technology had organized "Value Added Course on Embedded System" from 13-17 Feb, 2017 for the students of third year. This Course syllabus was covered by Mr. Arvind Sahu, Assistant Professor; EC, OCT, Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT

Day	Instructor Name	Title of speech
13-02-2017	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Inaugural speech of Dr. N.K Agrawal, Director, Oriental College of Technology
	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Introduction to 8051 architecture and C51 assembly language programming
14-02-2017	Mr. Amish Jha, Assistant Professor, EC, OCT	Practice session on assigned kit
15-02-2017	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Embedded software development using C porting 8051
16-02-2017	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Introduction to biometric attendance system design
	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Knowing components for biometric attendance system design
17-02-2017	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Designing of biometric attendance system
	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Objective Test
	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Testing of Project

At last, Dr. Rahul Dubey, Head EC, Course Convenor given the vote of thanks to course instructors Mr. Arvind Sahu, Mr. Amish Ku. Jha & Mr. Kapil Gupta for addressing the students. At the end he thanked all the faculties and student for making this event a grant success.



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Dr. Rahul Dubey
Course Convenor
Head, EC, OCT



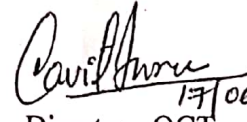
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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:.....

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. N.K. Agrawal
Director, OCT, Bhopal

CONVENOR

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

COURSE COORDINATOR

Mr. Praveen Choudhary
Mobile: +918770913910

ORGANISING COMMITTEE MEMBERS

Mr. Rishabh Shukla
Mr. Kaushal Sen

CONTACT

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Mobile: +917024119755
Mr. Praveen Choudhary
Mobile: +918770913910

**Oriental College of Technology,
Bhopal**



Value Added Course

On
“MATLAB & Its Applications”

[6th to 10th February 2017]

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



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

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 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 promote high productivity research 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. 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. Kaushal Sen

Assistant Prof. EX Deptt. OCT Bhopal




Director
Oriental College of Technology
Thakral Nagar, Bhopal Road



MATLAB

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering

Value Added Course: MATLAB & Its Applications

Course Code: EX 30001

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 [6- 10 Feb. 2017]

6th Feb 2017

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

7th Feb 2017

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

8th Feb 2017

Time	Session	Teacher
9:00-11:00AM	Introduction to Simulink	Mr. Aditya Pratap Singh
11:00-11:30AM	Break	
11:30-01:00PM	Connecting Blocks & Properties	Mr. Aditya Pratap Singh
01:00-1:40PM	LUNCH	
01:40-4:30PM	Circuit Designing	Mr. Aditya Pratap Singh

9th Feb 2017

Time	Session	Teacher
9:00-11:00AM	Assignment	Mr. Hemant Mahala
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Hemant Mahala
01:00-1:40PM	LUNCH	
01:40-4:30PM	Control System Toolbox	Mr. Hemant Mahala

10th Feb 2017

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 Tools	Mrs. Preeti Gupta
3:30-4:30 PM	Valedictory & Certificate Distribution	Mrs. Preeti Gupta



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Value Added Course On Matlab & its Applications Objective Test, Date:10Feb 2017

Branch:	Electrical & Electronics Engineering		
Semester	6 Sem	Max. marks-50	Minimum marks-25
Subject	Matlab & its Applications	Subject Code: EX 30001	Time: 1:30 Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

1. How would you start a debugger in MATLAB?
 - a) There is no M-file in MATLAB
 - b) Type edit in MATLAB and press Enter
 - c) Type debug in MATLAB and press Enter
 - d) Type M-file in MATLAB and press Enter
2. What is the extension of script files?
 - a) .m
 - b) .mat
 - c) .script
 - d) There is a nothing called script file
3. What is the basic difference between M-files and MAT-files?
 - a) There is no difference
 - b) MAT files are binary data files while m-files are ASCII text files
 - c) M files are binary data files while MAT-files are ASCII text files
 - d) There is no such thing as MAT files



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4. **What does the echo command do?**
a) It echoes
b) It shows the comments present in Script files
c) It shows the commands and comments in MAT files
d) It shows the commands and the comments in M-files
5. **How do you create a function file in MATLAB?**
a) Begin m-file with function definition
b) Begin script file with function definition
c) There is no such thing called function file
d) An m-file is only a function file
6. **MEX files work on JAVA.**
a) True
b) False
7. **Which command is used to clear a command window?**
a) clear
b) close all
c) clc
d) clear all
8. **To determine whether an input is MATLAB keyword, command is?**
a) iskeyword
b) key word
c) inputword
d) isvarname
9. **Command is used to save command window text to file.**
a) saveas
b) texttofile
c) diary
d) todiaary
10. **To stop the execution of a MATLAB command, use keys?**
a) ctrl+c
b) ctrl+s



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- c) ctrl+b
- d) ctrl+enter

11. Which is the invalid variable name in MATLAB?

- a) x6
- b) last
- c) 6x
- d) z_i

12. The error in the above model is the absence of a ___ ground

- a) Simulink
- b) HDL coder
- c) Simscape
- d) A.C.

13. What is the name of a primary function?

- a) Name of M-file
- b) Name of Script File
- c) Name of Help file
- d) Name of Private-File

14. Predominantly, what are the two kinds of errors in MATLAB programs?

- a) Syntax and runtime
- b) Syntax and logic
- c) Logic and runtime
- d) Syntax and algorithmic

15. If the program demands evaluation of multiple, only decimal, values of the same function, what is the better way amongst the following?

- a) Using anonymous functions or inline functions
- b) Using str2func
- c) Using private functions
- d) Using any function

16. What are persistent variables?

- a) Variables which retain values between calls to the function



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- b) Variables which help in calling a function
- c) Variables which deal with functions
- d) Variables global to the function

17. Which command can be used for single step execution in debugging mode?

- a) dbstep
- b) dbstepin
- c) dbstatus
- d) dbcont

18. We can generate the summation of a series, formed with a character, using _____

- a) symsum
- b) sum
- c) symssum
- d) int

19. If the result of our summation is Infinity, what will MATLAB show?

- a) Infinity
- b) Nan
- c) Inf
- d) Error

20. How does MATLAB get the symbolic character in the function, if it is not mentioned in symsum() command?

- a) It cannot
- b) It uses symvar()
- c) It uses symsvar()
- d) It uses symbvar()

↓ 6/20
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Oriental College of Technology
Chennai, Tamil Nadu



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Chennai, Tamil Nadu

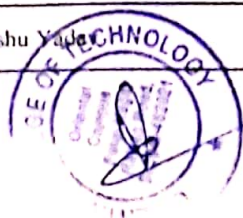
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Department of Electrical & Electronics Engineering

MATLAB and Its Application

06-10 Feb 2017

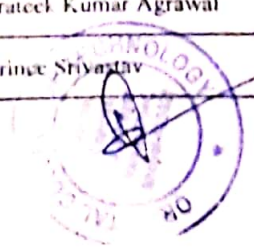
No.	Enrollment No.	Name of Student	6/2/2017	7/2/2017	8/2/2017	9/2/2017	10/2/2017
1	0126EX141001	Abhishek Jain	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	0126EX141002	Abhishek Raikwar	A	A	A	A	A
3	0126EX141004	Abnish Ranjan	Abnish	Abnish	Abnish	Abnish	Abnish
4	0126EX141006	Aditya Sony	Aditya	Aditya	Aditya	Aditya	Aditya
5	0126EX141007	Ajit Kumar	Ajit	Ajit	Ajit	Ajit	Ajit
6	0126EX141008	Akash Singh Thakur	Akash	Akash	Akash	Akash	Akash
7	0126EX141010	Akshay Marmat	Akshay	Akshay	Akshay	Akshay	Akshay
8	0126EX141013	Aman Verma	Aman	Aman	Aman	Aman	Aman
9	0126EX141015	Amit Kumar Chaudhary	Amit	Amit	Amit	Amit	Amit
10	0126EX141016	Anshuman Singh	Anshuman	Anshuman	Anshuman	Anshuman	Anshuman
11	0126EX141017	Anuj Richhariya	An	An	An	An	An
12	0126EX141018	Arif Akhtar	A	A	A	A	A
13	0126EX141020	Ashutosh Singh Sikarwar	Asin	Asin	Asin	Asin	Asin
14	0126EX141021	Bharat Kishore	Bharat	Bharat	Bharat	Bharat	Bharat
15	0126EX141022	Bhawana Kumari	Bhawana	Bhawana	Bhawana	Bhawana	Bhawana
16	0126EX141023	Bikramjeet Paul	Bikramjeet Paul	Bikramjeet Paul	Bikramjeet Paul	Bikramjeet Paul	Bikramjeet Paul
17	0126EX141024	Bipin Modi	Bipin	Bipin	Bipin	Bipin	Bipin
18	0126EX141025	Chandresh Pandey	C. Pandey	C. Pandey	C. Pandey	C. Pandey	C. Pandey
19	0126EX141026	Chunnu Kumar	Chunnu	Chunnu	Chunnu	Chunnu	Chunnu
20	0126EX141027	Debashish Rabidas	A	A	A	A	A
21	0126EX141029	Dharambir Prasad	D.P	D.P	D.P	D.P	D.P
22	0126EX141030	Divya Bharti	Divya	Divya	Divya	Divya	Divya
23	0126EX141031	Gautam Kumar	A	A	A	A	A
24	0126EX141034	Harshit Malviya	Harshit	Harshit	Harshit	Harshit	Harshit
25	0126EX141035	Himanshu Yadav	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu



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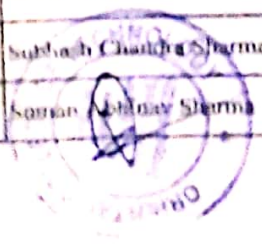
26	0126EX141036	Ishwardas Kurmi	Ish	Ish	Ish	Ish	Ish
27	0126EX141037	Jay Yadav	Jay	Jay	Jay	Jay	Jay
28	0126EX141038	Juhi Kumari	Juh	Juh	Juh	Juh	Juh
29	0126EX141039	Jyoti Kumari	Jyoh	Jyoh	Jyoh	Jyoh	Jyoh
30	0126EX141040	Karan Sahu	Karan	Karan	Karan	Karan	Karan
31	0126EX141041	Kistu Kumar	A	A	A	A	A
32	0126EX141042	Komal Singh Baghel	Komal	Komal	Komal	Komal	Komal
33	0126EX141044	Kumar Shubham	Ku	Ku	Ku	Ku	Ku
34	0126EX141045	Kunal Kumar	Kunal	Kunal	Kunal	Kunal	Kunal
35	0126EX141046	Manoj Kumar Dubey	Mn	Mn	Mn	Mn	Mn
36	0126EX141047	Md Hasan Jahangir	Hasan	Hasan	Hasan	Hasan	Hasan
37	0126EX141048	Md Mujtaba Siddiqui	A	A	A	A	A
38	0126EX141049	Md. Akbar Ansari	Akbar	Akbar	Akbar	Akbar	Akbar
39	0126EX141050	Meenakshi Sharma	meenakshi	meenakshi	meenakshi	meenakshi	meenakshi
40	0126EX141051	Megha Mangalnath Thakur	Megha	Megha	Megha	Megha	Megha
41	0126EX141052	Milan Kumari	Mila	Mila	Mila	Mila	Mila
42	0126EX141053	Mitali Sisodiya	Mitali	Mitali	Mitali	Mitali	Mitali
43	0126EX141054	Mohit Bajpai	Mohit	Mohit	Mohit	Mohit	Mohit
44	0126EX141055	Mritunzay Singh	Mritunzay	Mritunzay	Mritunzay	Mritunzay	Mritunzay
45	0126EX141056	N.Vignesh Reddy	N	N	N	N	N
46	0126EX141057	Nayan Dubey	Nayan	Nayan	Nayan	Nayan	Nayan
47	0126EX141059	Neha Dubey	Neha	Neha	Neha	Neha	Neha
48	0126EX141061	Nishi Singh	Nishu	Nishu	Nishu	Nishu	Nishu
49	0126EX141063	Ojashwi Singh	Ojashwi	Ojashwi	Ojashwi	Ojashwi	Ojashwi
50	0126EX141064	Palash Sharma	Palash	Palash	Palash	Palash	Palash
51	0126EX141065	Pankaj Pal	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
52	0126EX141066	Paritosh Bhise	Paritosh	Paritosh	Paritosh	Paritosh	Paritosh
53	0126EX141067	Prashant Srivastava	Prashant	Prashant	Prashant	Prashant	Prashant
54	0126EX141068	Prateek Kumar Agrawal	Pr	Pr	Pr	Pr	Pr
55	0126EX141071	Prince Srivastav	A	A	A	A	A



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5	0126EX141072	Priyanshu	Priyanshu	Priyanshu	Priyanshu	Priyanshu
7	0126EX141073	Rachna Mishra	Rachna	Rachna	Rachna	Rachna
8	0126EX141074	Rahul Kumar	Rahul	Rahul	Rahul	Rahul
9	0126EX141076	Rahul Kunghadkar	Rahul	Rahul	Rahul	Rahul
10	0126EX141077	Rajeev Ranjan Kumar	Rajeev	Rajeev	Rajeev	Rajeev
51	0126EX141081	Ravi Khare	A	A	A	A
62	0126EX141082	Ravi Kumar Aadityan	Ravi	Ravi	Ravi	Ravi
63	0126EX141083	Ray Sahab Maurya	Ray	Ray	Ray	Ray
64	0126EX141084	Rhijuta Namdeo	Rhijuta	Rhijuta	Rhijuta	Rhijuta
65	0126EX141085	Rishabh Nayak	A	A	A	A
66	0126EX141086	Rishabh Patel	A	A	A	A
67	0126EX141087	Ruchi Kumari	Ruchi	Ruchi	Ruchi	Ruchi
68	0126EX141088	Sahil Jain	Sahil	Sahil	Sahil	Sahil
69	0126EX141089	Sandeep Kumar	Sandeep	Sandeep	Sandeep	Sandeep
70	0126EX141090	Sanjeet Kumar Tiwari	Sanjeet	Sanjeet	Sanjeet	Sanjeet
71	0126EX141091	Sankit Jain	Sankit	Sankit	Sankit	Sankit
72	0126EX141092	Sanu Kumar	Sanu	Sanu	Sanu	Sanu
73	0126EX141093	Satyam Anand Saxena	Satyam	Satyam	Satyam	Satyam
74	0126EX141094	Satyam Dubey	A	A	A	A
75	0126EX141095	Satyam Shukla	Satyam	Satyam	Satyam	Satyam
76	0126EX141096	Saurabh Gupta	Saurabh	Saurabh	Saurabh	Saurabh
77	0126EX141098	Shashank Nayak	Shashank	Shashank	Shashank	Shashank
78	0126EX141100	Shashikant Kumar Singh	Shashikant	Shashikant	Shashikant	Shashikant
79	0126EX141101	Shiv Kumar Patel	Shiv	Shiv	Shiv	Shiv
80	0126EX141102	Shubham Kumar Singh	Shubham	Shubham	Shubham	Shubham
81	0126EX141103	Shubham Kurmi	Shubham	Shubham	Shubham	Shubham
82	0126EX141104	Shubham Pushkar	Shubham	Shubham	Shubham	Shubham
83	0126EX141105	Shubhi Bajpai	Shubhi	Shubhi	Shubhi	Shubhi
84	0126EX141106	Sourabh Jain	Sourabh	Sourabh	Sourabh	Sourabh
85	0126EX141107	Subhash Chandigar Sharma	Subhash	Subhash	Subhash	Subhash
86	0126EX141109	Suman Anshay Sharma	Suman	Suman	Suman	Suman




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87	0126EX141110	Suraj Saurabh Mishra	Suraj	Suraj	Suraj	Suraj	Suraj
88	0126EX141111	Sushmita Kumari	Sush	Sush	Sush	Sush	Sush
89	0126EX141112	Suyash Mishra	A	A	A	A	A
90	0126EX141113	Taha Zafar Ali	A	A	A	A	A
91	0126EX141114	Tripti Raj	Raj	Raj	Raj	Raj	Raj
92	0126EX141115	Vaibhav Singh	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
93	0126EX141116	Vaibhav Singh Umath	Umath	Umath	Umath	Umath	Umath
94	0126EX141117	Vinay Kumar Singh	Vinay	Vinay	Vinay	Vinay	Vinay
95	0126EX141119	Vinay Tiwari	Vinay	Vinay	Vinay	Vinay	Vinay
96	0126EX141120	Vishakha	Vk	Vk	Vk	Vk	Vk
97	0126EX141122	Vivek Kumar Dwivedi	A	A	A	A	A
98	0126IT141060	Prabhat Prashun	Prabhat	Prabhat	Prabhat	Prabhat	Prabhat




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Oriental College Of Technology, Bhopal
Electrical & Electronics Engineering Department
Value Added Course: Matlab & its Applications, 6-10 Feb 2017
Course Code: EX 30001
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	0126EX141001	Abhishek Jain	40	40	80	Eligible
2	0126EX141002	Abhishek Raikwar	37	40	77	Eligible
3	0126EX141004	Abnish Ranjan	45	47.5	92.5	Eligible
4	0126EX141006	Aditya Sony	35	45	80	Eligible
5	0126EX141007	Ajit Kumar	45	40	85	Eligible
6	0126EX141008	Akash Singh Thakur	30	30	60	Eligible
7	0126EX141010	Akshay Marmat	35	45	80	Eligible
8	0126EX141013	Aman Verma	45.5	30	75.5	Eligible
9	0126EX141015	Amit Kumar Chaudhary	32	42	74	Eligible
10	0126EX141016	Anshuman Singh	42	40	82	Eligible
11	0126EX141017	Anuj Richhariya	30	30	60	Eligible
12	0126EX141018	Arif Akhtar	A	A	0	Not Eligible
13	0126EX141020	Ashutosh Singh Sikarwar	45.5	30	75.5	Eligible
14	0126EX141021	Bharat Kishore	32	42	74	Eligible
15	0126EX141022	Bhawana Kumari	42	40	82	Eligible
16	0126EX141023	Bikramjeet Paul	30	30	60	Eligible
17	0126EX141024	Bipin Modi	35	45	80	Eligible



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18	0126EX141025	Chandresh Pandey	26	32	58	Eligible
19	0126EX141026	Chunnu Kumar	30	30	60	Eligible
20	0126EX141027	Debashish Rabidas	A	A	0	Not Eligible
21	0126EX141029	Dharambir Prasad	35	35	70	Eligible
22	0126EX141030	Divya Bharti	36	35	71	Eligible
23	0126EX141031	Gautam Kumar	A	A	0	Not Eligible
24	0126EX141034	Harshit Malviya	29	40	69	Eligible
25	0126EX141035	Himanshu Yadav	30	42	72	Eligible
26	0126EX141036	Ishwardas Kurmi	28	35	63	Eligible
27	0126EX141037	Jay Yadav	40	47.5	87.5	Eligible
28	0126EX141038	Juhi Kumari	36	27	63	Eligible
29	0126EX141039	Jyoti Kumari	48	35	83	Eligible
30	0126EX141040	Karan Sahu	30	45	75	Eligible
31	0126EX141041	Kistu Kumar	A	A	0	Not Eligible
32	0126EX141042	Komal Singh Baghel	30	45	75	Eligible
33	0126EX141044	Kumar Shubham	30	30	60	Eligible
34	0126EX141045	Kunal Kumar	35	45	80	Eligible
35	0126EX141046	Manoj Kumar Dubey	45.5	30	75.5	Eligible
36	0126EX141047	Md Hasan Jahangir	30	30	60	Eligible
37	0126EX141048	Md Mujtaba Siddiqui	A	A	0	Not Eligible
38	0126EX141049	Md. Akbar Ansari	38	40	78	Eligible
39	0126EX141050	Meenakshi Sharma	29	40	69	Eligible
40	0126EX141051	Megha Mangalnath Thakur	30	42	72	Eligible
41	0126EX141052	Milan Kumari	28	35	63	Eligible




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42	0126EX141053	Mitali Sisodiya	40	47.5	87.5	Eligible
43	0126EX141054	Mohit Bajpai	36	27	63	Eligible
44	0126EX141055	Mritunzay Singh	48	35	83	Eligible
45	0126EX141056	N.Vignesh Reddy	30	45	75	Eligible
46	0126EX141057	Nayan Dubey	30	30	60	Eligible
47	0126EX141059	Neha Dubey	35	45	80	Eligible
48	0126EX141061	Nishi Singh	45.5	30	75.5	Eligible
49	0126EX141063	Ojashwi Singh	32	42	74	Eligible
50	0126EX141064	Palash Sharma	42	40	82	Eligible
51	0126EX141065	Pankaj Pal	45.5	30	75.5	Eligible
52	0126EX141066	Paritosh Bhise	27	45	72	Eligible
53	0126EX141067	Prashant Srivastava	40	40	80	Eligible
54	0126EX141068	Prateek Kumar Agrawal	28	30	58	Eligible
55	0126EX141071	Prince Srivastav	A	A	0	Not Eligible
56	0126EX141072	Priyanshu	29	40	69	Eligible
57	0126EX141073	Rachna Mishra	30	42	72	Eligible
58	0126EX141074	Rahul Kumar	40	40	80	Eligible
59	0126EX141076	Rahul Kunghadkar	A	A	0	Eligible
60	0126EX141077	Rajeev Ranjan Kumar	40	40	80	Eligible
61	0126EX141081	Ravi Khare	A	A	0	Not Eligible
62	0126EX141082	Ravi Kumar Aadityan	45	47.5	92.5	Eligible
63	0126EX141083	Ray Sahab Maurya	40	40	80	Eligible
64	0126EX141084	Rhijuta Namdeo	42	40	82	Eligible
65	0126EX141085	Rishabh Nayak	A	A	0	Not Eligible




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66	0126EX141086	Rishabh Patel	A	A	0	Not Eligible
67	0126EX141087	Ruchi Kumari	35	35	70	Eligible
68	0126EX141088	Sahil Jain	35	34	69	Eligible
69	0126EX141089	Sandeep Kumar	42	45	87	Eligible
70	0126EX141090	Sanjeet Kumar Tiwari	27	40	67	Eligible
71	0126EX141091	Sankit Jain	40	30	70	Eligible
72	0126EX141092	Sanu Kumar	35.5	45.5	91	Eligible
73	0126EX141093	Satyam Anand Saxena	30	30	60	Eligible
74	0126EX141094	Satyam Dubey	A	A	0	Not Eligible
75	0126EX141095	Satyam Shukla	32	42	74	Eligible
76	0126EX141096	Saurabh Gupta	42	40	82	Eligible
77	0126EX141098	Shashank Nayak	45.5	30	75.5	Eligible
78	0126EX141100	Shashikant Kumar Singh	27	45	72	Eligible
79	0126EX141101	Shiv Kumar Patel	40	40	80	Eligible
80	0126EX141102	Shubham Kumar Singh	28	30	58	Eligible
81	0126EX141103	Shubham Kurmi	38	40	78	Eligible
82	0126EX141104	Shubham Pushkar	29	40	69	Eligible
83	0126EX141105	Shubhi Bajpai	32	42	74	Eligible
84	0126EX141106	Sourabh Jain	42	40	82	Eligible
85	0126EX141107	Subhash Chandra Sharma	45.5	30	75.5	Eligible
86	0126EX141109	Suman Abhinav Sharma	30	30	60	Eligible




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87	0126EX141110	Suraj Saurabh Mishra	45	45	90	Eligible
88	0126EX141111	Sushmita Kumari	45	40	85	Eligible
89	0126EX141112	Suyash Mishra	A	A	0	Not Eligible
90	0126EX141113	Taha Zafar Ali	A	A	0	Not Eligible
91	0126EX141114	Tripti Raj	35	35	70	Eligible
92	0126EX141115	Vaibhav Singh	35	34	69	Eligible
93	0126EX141116	Vaibhav Singh Umath	42	45	87	Eligible
94	0126EX141117	Vinay Kumar Singh	27	40	67	Eligible
95	0126EX141119	Vinay Tiwari	35	35	70	Eligible
96	0126EX141120	Vishakha	35	34	69	Eligible
97	0126EX141122	Vivek Kumar Dwivedi	A	A	0	Not Eligible
98	0126IT141060	Prabhat Prashun	25	30	55	Eligible



[Handwritten Signature]

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**Oriental College of Technology
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Course Evaluation/ Feedback Form


Value Added Course	Matlab & its Applications
Date:	6-10 Feb 2017
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 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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 Madhya Pradesh

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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]



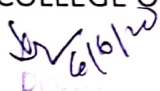
SESSION: 2016-17

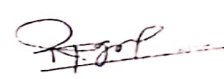
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING CERTIFICATE

THIS IS TO CERTIFY THAT MR. /MS. PANKAJ PAL OF EX-VI SEM , OCT, BHOPAL, HAS COMPLETED THE "VALUE ADDED COURSES" ON "MATLAB AND ITS APPLICATIONS" DURING 6 FEB TO 10 FEB 2017, ORGANIZED BY DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING, ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL.


Co-ordinator, EX, OCT




Oriental College of Technology
Thakral Nagar, Raisen Road
HOD, EX, OCT


Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering



Report on Value Added Course on MATLAB & Its Applications

Date and Time: February 06, to February 10, 2017. **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: Third 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*" February 06, to February 10, 2017 for the students of third year .

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

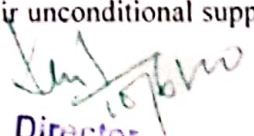
On February 15, the Course coordinator, Mr. Praveen Choudhary, guided all students on the topic "*MATLAB & Its Applications*". In his speech, he had explained the need for every student to have skills to get a job.

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.

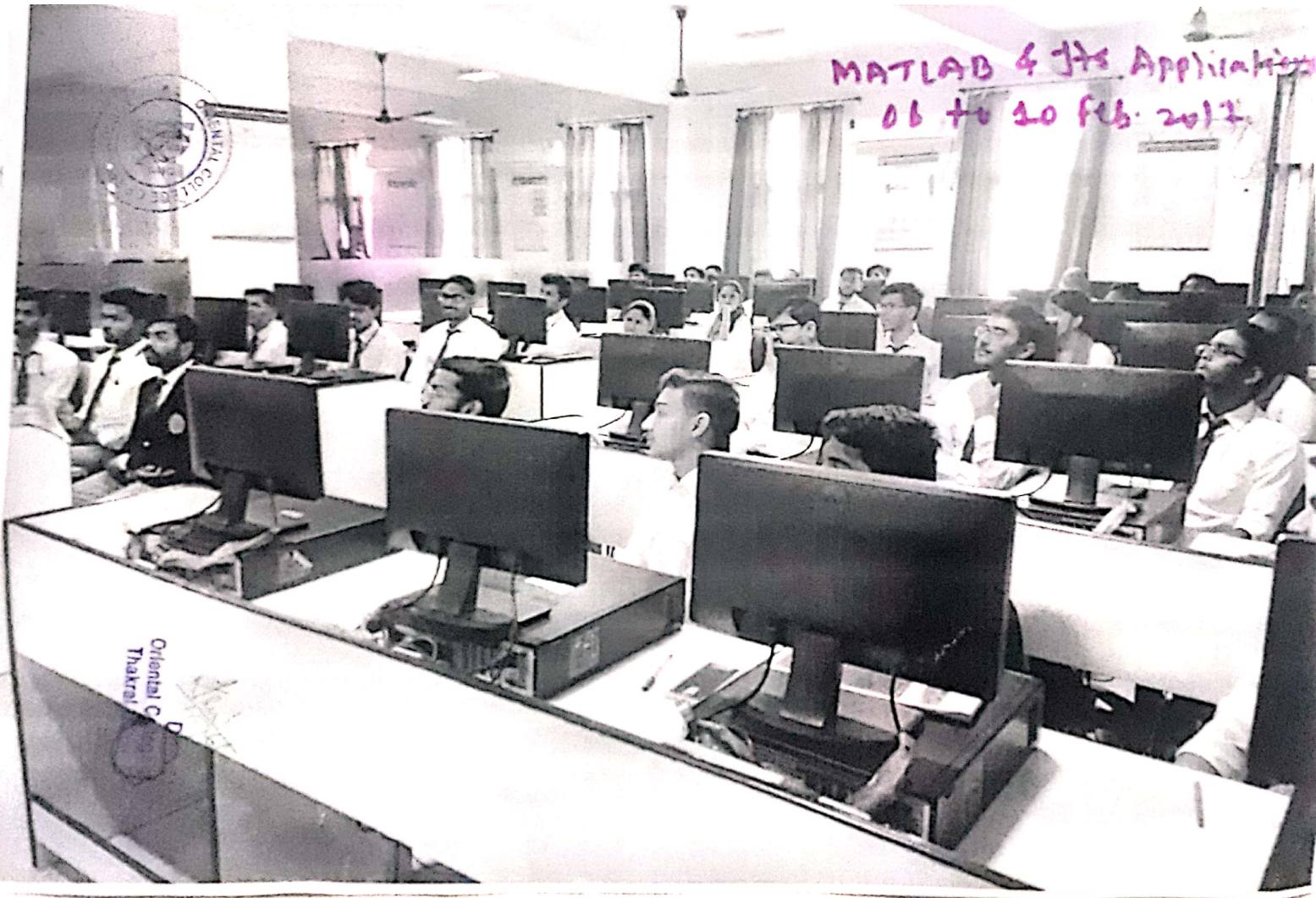
Prof. Preeti Gupta

Course Coordinator
EX, OCT




Director
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Thakral Nagar, Raisen Road
Bhopal

MATLAB & Its Applications
06 to 20 Feb. 2017.





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.



Copy to:

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

Director, OCT

Director

Oriental College of Technology
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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Value Added Course

On

"CNC"

[14-19 November 2016]

For III -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. N. K. Agrawal
Director, OCT, Bhopal

CONVENOR

Mr. Girish Kumar Khare
gkothodme@oriental.ac.in

COURSE COORDINATOR

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

ORGANISING COMMITTEE MEMBERS

Mr. Ashish Kumar Chaturvedi
Mr. Ravishankar Maurya
Mr. Shahnawaz Ansari

CONTACT

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

Registration Form

Name:.....

Enrollment No.....

Branch:.....

Semester:.....

Address:.....

.....

.....

.....

City & Pin.....

E-mail id.....

Contact No:.....

Place:

Signature: *[Signature]*

Date: *[Date]*

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Bhopal

Signature with Seal

Head of the Department

Head of Department

Head of Department

Oriental College of Technology



Oriental College of Technology, Bhopal

Mechanical Engineering
Value added course -CNC
Time Durations – 30Hrs
Course code – ME-30001
Syllabus

Module-1

Introduction to Computer Numerical Control (CNC)

Numerical control, Functions of a machine tool, Concept of numerical control, Historical Development, Definition, Advantages of CNC machine tools, Evolution of CNC, Advantages of CNC, Limitations of CNC, Features of CNC, Machine Control Unit (MCU) for CNC, Classification of CNC Machine Tools, CNC MACHINING CENTERS, Classification, Features Of CNC Machining Centers

Module-2

Blue print reading

Reading the machining sketches, Different Geometrical Tolerance symbols, Reading Dimensional Tolerances, Understanding the Views, Concept of First angle & Third angle projection.

Module-3

Auto CAD basic (ACAD-01)

Sketching Points line, Circles & Arcs, Simple exercises based on above, Isometric Views, Splines & poly lines, Identifying the points in given drawing.

Module-4

Conventional milling Awareness

Introduction to milling machine & its parts, Different operations of milling, Plain milling, Step milling, Slot milling, Pocket milling, Co-ordinate drilling, Job setting in vice by dialing, Job setting on bed with clamps, Knowledge of different cutting tool materials used, Selecting speed feeds & depth of cut, Indexing (simple & compounding)

Module-5

CNC Milling- Basic

Fundamentals of CNC milling, Familiarization of control panel, Fundamentals of CNC programming, Part programming techniques, Machining practice on CNC Milling, Practice session at CNC Lab

Module-6

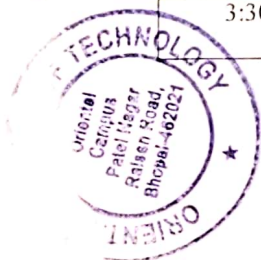
CNC Turning.

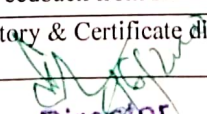
Work piece setting methods, Tool setting methods, Practice on CNC Turning, Exercises on machine & Practice .

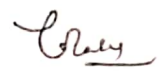



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SCHEDULE		
5 Days Value Added Course on CNC [14-19,Nov-2016]		
14 Nov-2016		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to Computer Numerical Control (CNC)	Mr. Saumitra Sharma
12:30-1:10PM	LUNCH	
01:10-3:10PM	Machine Control Unit (MCU) for CNC	Mr. Ravishankar Maurya
3:10 -3:30PM	Break	
03:30-5:30PM	MACHINING CENTERS	Mr. Ashish Chaturvedi
15 Nov-2016		
Time	Session	Teacher
9:00-11:00AM	Blue print reading	Mr. Ravishankar Maurya
11:00-11:30AM	Break	
11:30-01:00PM	Understanding the Views	Mr. Ashish Chaturvedi
01:00-1:40PM	LUNCH	
01:40-4:30PM	Auto CAD basic	Mr. Saumitra Sharma
16 Nov-2016		
Time	Session	Teacher
9:00-11:00AM	Conventional milling Awareness	Mr. Ashish Chaturvedi
11:00-11:30AM	Break	
11:30-01:00PM	Co-ordinate drilling	Mr. Ravishankar Maurya
01:00-1:40PM	LUNCH	
01:40-4:30PM	Cutting tool materials	Mr. Saumitra Sharma
17 Nov-2016		
Time	Session	Teacher
9:00-11:00AM	Fundamentals of CNC milling	Mr. Ravishankar Maurya
11:00-11:30AM	Break	
11:30-01:00PM	Fundamentals of CNC programming	Mr. Ashish Chaturvedi
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice session at CNC Lab	Mr. Saumitra Sharma
18 Nov-2016		
Time	Session	Teacher
9:00-11:00AM	Practice Session I	Mr. Ravishankar Maurya
11:00-11:30AM	Break	
11:30-01:00PM	Practice Session II	Mr. Ashish Chaturvedi
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session III	Mr. Saumitra Sharma
19 Nov-2016		
Time	Session	Teacher
9:00-11:00AM	Practice Session and Individual Assignments	Mr. Ashish Chaturvedi
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Saumitra Sharma
01:00-1:40PM	LUNCH	
01:40-2:30PM	Assignment submission	Mr. Ashish Chaturvedi/ Mr. Ravishankar Maurya
2:30-3:30PM	Feedback from students	Mr. Saumitra Sharma
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Ashish Chaturvedi/ Mr. Ravishankar Maurya




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 Mech.
 Oriental College of Technology

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL



Value Added Course on CNC
Objective Test, Date: 19 Nov-2016

Branch:	Mechanical Engineering	
Semester:	V Semester	Max. Marks-50 Minimum Marks:25
Subject:	CNC	Time: 1:30Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.	

- 1- Several machine tools can be controlled by a central computer in
 - A) DNC (Direct Numerical Control) machine tool
 - B) CCNC (Central-Computer Numerical Control) machine tool
 - C) NC (Numerical Control) machine tool
 - D) CNC (Computer Numerical Control) machine tool

- 2 -In CNC machine tool, the part program entered into the computer memory
 - A) Can be used only once
 - B) Can be used again but it has to be modified every time
 - C) Cannot say
 - D) Can be used again and again

- 3- Which of the following options is correct for the control unit and panel of NC (Numerical Control) and CNC (Computer Numerical Control) machine tools?
 - A) The control unit of NC machine tool works in ON-line mode and the control unit of CNC machine tool works in batch processing mode
 - B) The control unit of NC machine tool works in batch processing mode and the control unit of CNC machine tool works in ON-line mode
 - C) The control units of both NC and CNC machines work in ON-line mode
 - D) The control units of both NC and CNC machines work in batch processing mode

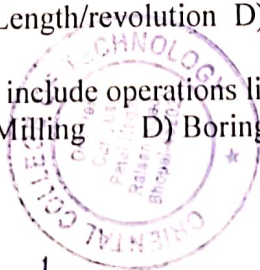
- 4- In NC (Numerical Control) machine tool, the position feedback package is connected between
 - A) Control unit and programmer
 - B) Programmer and machine tool
 - C) Control unit and machine tool
 - D) None of the above

- 5- In machining of a workpiece, the material is removed by _____
 - A) Shearing action
 - B) Using brittleness of the material
 - C) Drilling action
 - D) Melting action

- 6- The depth that the tool is plunged into the surface is called as _____
 - A) Depth of cut
 - B) Working depth
 - C) Depth of tool
 - D) Feed

- 7- Feed is measured in units of _____
 - A) Velocity
 - B) Length
 - C) Length/revolution
 - D) Degree/revolution

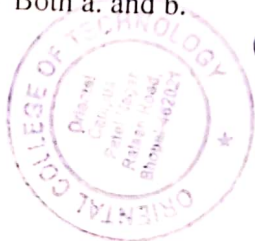
- 8- CNC machining centres do not include operations like _____
 - A) Welding
 - B) Tapping
 - C) Milling
 - D) Boring



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- 9- In CNC systems multiple microprocessors and programmable logic controllers work
 A) In series B) In parallel
 C) For 80% of the total machining time D) One after the other
- 10- Which of the following is not the advantage of CNC machines?
 A) Reduced scrap rate B) Improved strength of the components
 C) Higher flexibility D) Improved quality
- 11- In how many ways CNC machine tool systems can be classified?
 A) 3 B) 5 C) 4 D) 2
- 12- Which machine tools are basically handled and controlled by Computer Numerical Control (CNC) machine especially at the manufacturing sector?
 A) Mills & Grinders B) Routers C) Lathes D) All of the above
- 13- The device, fed to the control unit of NC machine tool which sends the position command signals to sideway transmission elements of the machine, is called as
 A) Tape B) Controller C) Feedback unit D) None of the above
- 14- In part programming, interpolation is used for obtaining _____ trajectory.
 A) Helicoidal B) Zig-zag C) Pentagonal D) Triangular
- 15- Which kind of switches examine or detect the presence of an item or object without making contact with them?
 A) Proximity Switches B) Reed Switches
 C) Photo-electric Switches D) Mechanical Switches
- 16- Which bus forms an intermediate communication path between input/output ports and input/output units?
 A) Address Bus B) System Bus C) Data Bus D) Control Bus
- 17- Which unit of PIC undergo the process of converting mains ac voltage to low dc voltage required for the circuits and the input-output interfacing modules ?
 A) Power Supply Unit B) Input/Output Unit
 C) Memory Unit D) Processing Unit
- 18- Which machine tool reduces the number of set-ups in machining operation, time spent in setting machine tools and transportation between sections of machines?
 A) Machining centre B) Adaptive Control Systems
 C) Direct Numerical Control machine tool D) Computer Numerical Control machine tool
- 19- The machine tool, in which calculation and setting of the operating conditions like depth of cut, feed, speed are done during the machining by the control system itself, is called
 A) Adaptive Control System B) Machining Centre System
 C) Computer Numerical Control System D) Direct Numerical Control System
- 20- Part-programming mistakes can be avoided in
 A) CNC (Computer Numerical Control) machine tool
 B) NC (Numerical Control) machine tool
 C) Both a. and b. D) None of the above



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Department of Mechanical Engineering

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Attendance sheet for value added course on CNC

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
1	0126ME141001	ABHISHEK KUMAR	P	P	P	P		P
2	0126ME141002	ABHISHEK YADAV		P	P	P		P
3	0126ME141003	ABHISHEK YADAV				P	P	P
4	0126ME141004	ABU ABDUR RAHMAN SHAMIM	P	P		P	P	P
5	0126ME141005	ADARSH						
6	0126ME141006	ADITYA DAHARWAL	P	P	P	P	P	
7	0126ME141007	ADITYA PANDEY	P		P	P	P	P
8	0126ME141008	AISHWARY KATRE						P
9	0126ME141009	AJAY KUMAR YADAV	P	P	P			P
10	0126ME141010	AKASH KHARE	P		P		P	P
11	0126ME141011	AKHILESH KUMAR VERMA	P		P	P	P	
12	0126ME141012	AKSHAT AGRAWAL						
13	0126ME141013	AKSHAY SAHU	P	P	P		P	
14	0126ME141014	AKSHAY SINGHAI	P	P	P	P		P
15	0126ME141016	AMIT TRIPATHI	P	P	P		P	P
16	0126ME141017	ANKIT KUMAR MISTRI	P		P		P	P
17	0126ME141018	ANKIT KUMAR VARSHNEY		P		P	P	P
18	0126ME141019	ANKIT MAHAJAN	P		P	P	P	P
19	0126ME141021	ANKIT PANDEY						P
20	0126ME141022	ANKIT SEN	P	P	P			P
21	0126ME141023	ANKUSH GANJRE		P	P	P	P	
22	0126ME141024	ANUBHAV RAI					P	
23	0126ME141025	ANUP KUMAR	P	P	P		P	P
24	0126ME141026	ANURAG SHRIVASTAVA	P			P	P	P
25	0126ME141027	APOORV SINGH						P
26	0126ME141028	ARBAAZ ALTAF	P	P	P	P	P	P
27	0126ME141029	ARJIT AGRAWAL	P	P	P	P	P	P
28	0126ME141030	ARPIT SINGH	P	P		P	P	P
29	0126ME141032	ASEEM	P	P				P
30	0126ME141033	ASHISH CHOURASIYA		P			P	P
31	0126ME141034	ASHOK KUMAR YADAV	P	P		P		P
32	0126ME141035	ATAL SINGH SENGAR		P		P	P	P
33	0126ME141036	ATHARVA PALIWAL	P		P		P	
34	0126ME141037	ATISHAY JAIN					P	
35	0126ME141038	AYUSH BALAGOPAL						
36	0126ME141039	BHUSHAN CHOUDHARY	P	P		P	P	
37	0126ME141040	CHANDAN KUMAR				P		P
38	0126ME141041	CHITRANSH SHUKLA		P		P		P
39	0126ME141042	DEEKSHA TRIPATHI	P			P	P	
40	0126ME141043	DEEPAK KUMAR	P		P	P		
41	0126ME141044	DEEPAK KUMAR SAHU	P	P		P		
42	0126ME141045	DEEPANSHU SHRIVASTAVA	P	P		P		

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Department of Mechanical Engineering

Attendance sheet for value added course on CNC

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
43	0126ME141046	DHEERAJ KUMAR RAJA	P		P	P		P
44	0126ME141047	GAURAV JAIN		P	P		P	P
45	0126ME141048	GAURAV KUMAR	P		P	P	P	P
46	0126ME141049	GULSHAN KUMAR	P		P		P	
47	0126ME141050	HARSH CHATURVEDI	P	P	P	P		P
48	0126ME141051	HEMANT KUMAR PATEL				P	P	P
49	0126ME141052	HRISHABH KUMAR NAGPURE		P		P	P	
50	0126ME141053	JAI SINGH YADAV	P		P	P		P
51	0126ME141054	JAYESH KHAPRE	P	P		P		P
52	0126ME141055	KAPIL VERMA	P					P
53	0126ME141056	KARTIK MEENA	P	P	P	P	P	P
54	0126ME141057	KARTIKEY CHOUDHARY	P	P		P	P	P
55	0126ME141058	KRISHNA SHARMA						
56	0126ME141060	LAKSHYA SURI	P		P	P	P	
57	0126ME141061	LAV RAJPAL		P		P		P
58	0126ME141062	MAHENDRA VERMA	P	P		P		P
59	0126ME141063	MANORANJAN KUMAR	P		P		P	P
60	0126ME141064	MASOOD AHMAD	P		P		P	P
61	0126ME141065	MAYANK DAHARWAL	P		P	P		P
62	0126ME141067	MAYANK KOCHER	P		P		P	
63	0126ME141068	MAYANK PATIDAR	P	P	P		P	
64	0126ME141069	MAYANK YADAV		P	P	P	P	P
65	0126ME141070	MD TAKAMIL ALAM KHAN		P	P		P	P
66	0126ME141071	MOHIT OJHA		P		P		P
67	0126ME141072	MOHIT SHARMA	P		P	P	P	P
68	0126ME141073	MUKESH PATEL	P	P	P		P	P
69	0126ME141074	NAVEEN PATWA						
70	0126ME141075	NIHAL MEENA	P		P		P	P
71	0126ME141076	NIKHIL MALVIYA				P		
72	0126ME141077	NIPUN BAJPAI	P		P			P
73	0126ME141078	NIRAJ KUMAR SINGH	P	P		P		P
74	0126ME141079	NISHANT GAUR				P		
75	0126ME141080	NITISH NAWANGE	P		P		P	P
76	0126ME141082	PARITOSH PARIHAR	P	P		P		P
77	0126ME141083	PIYUSH RATHORE		P		P		P
78	0126ME141084	PRASHANT KUMAR AGRAWAL	P	P	P	P		P
79	0126ME141085	PRATEEK KUMAR NAMDEV	P	P	P	P	P	P
80	0126ME141086	PRAVEEN SINGH BHOJAK	P		P		P	P
81	0126ME141087	RAHUL RANJAN		P		P		P
82	0126ME141088	RAJ KISHORE KUMAR	P		P			P
83	0126ME141089	RAMESH KUMAR YADAV			P			
84	0126ME141090	RANU KUMAR	P	P		P		



Director
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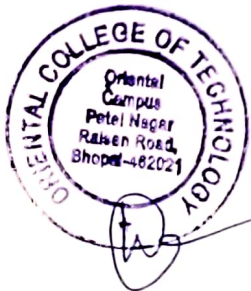


Oriental College of Technology Bhopal

Department of Mechanical Engineering

Attendance sheet for value added course on CNC

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
85	0126ME141091	ROHIT SHARMA	P	.	P	P	.	P
86	0126ME141092	SATEESH YADAV	P	.	.	P	P	P
87	0126ME141093	SATYAM SHARMA	P	P	.	.	.	P
88	0126ME141094	SAURABH YADAV	.	P	.	P	.	P
89	0126ME141096	SHASHANK	P	.	P	P	.	P
90	0126ME141097	SHIVAM MANJHI	.	P	.	P	.	P
91	0126ME141098	SHOBHIT SAHU	P	P	.	P	.	P
92	0126ME141099	SHUBHAM AGRAWAL	P	.	P	.	P	P
93	0126ME141100	SHUBHAM BAHAD	P	.	P	.	P	.
94	0126ME141101	SHUBHAM GUPTA	.	P	.	P	.	P
95	0126ME141102	SHUBHAM TIWARI	.	P	.	P	P	P
96	0126ME141103	SHUBHAM VISHWAKARMA	P	P	P	P	P	P
97	0126ME141104	SHUBHAM WASNIK	P	P	P	.	P	P
98	0126ME141105	SOURABH TOMAR	.	P	.	.	P	P
99	0126ME141106	SUBARNO SINHA	.	.	P	.	.	.
100	0126ME141107	SUDHANSHU NARTAM	P	P	.	P	.	P
101	0126ME141108	SUMESH YADAV	.	.	P	.	P	.
102	0126ME141110	SUYASH CHANDRA	.	P	.	P	.	P
103	0126ME141111	TAPAS DAS	.	P	.	P	.	.
104	0126ME141112	UMAKANT MAHAJAN	P	P	P	.	.	P
105	0126ME141113	VARUN CHITALE	.	P	.	P	P	.
106	0126ME141114	VIJAY PRATAP BHADORIYA	P	P	.	P	.	P
107	0126ME141115	VIJIT KUMAR CHOUDHARY	P	.	.	.	P	.
108	0126ME141116	VIKALP SHARMA	P	P	P	.	P	.
109	0126ME141117	VIKAS NAGAR	.	P	.	.	P	P
110	0126ME141118	VIRENDRA SINGH PARMAR	.	P	P	.	P	P
111	0126ME141119	VIVEK MASHI	.	P	P	P	P	P
112	0126ME141120	YASH GUPTA	P	.	P	.	P	P
113	0126ME153D01	ABHISHEK SAH	P	P	P	P	P	P
114	0126ME153D03	VIYOGEE HARI PANDEY	P	.	P	P	P	P



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

Oriental College of Technology, Bhopal

Mechanical Engineering Department

Value Added Course: CNC , 14-19, Nov-2016

Course Code: ME 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	0126ME141001	ABHISHEK KUMAR	38	40	78	Eligible
2	0126ME141002	ABHISHEK YADAV	35	42.5	77.5	Eligible
3	0126ME141003	ABHISHEK YADAV	A	A	A	Not Eligible
4	0126ME141004	ABU ABDUR RAHMAN SHAMIM	42	40	82	Eligible
5	0126ME141005	ADARSH	37	40	77	Eligible
6	0126ME141006	ADITYA DAHARWAL	31	47.5	78.5	Eligible
7	0126ME141007	ADITYA PANDEY	45	47.5	92.5	Eligible
8	0126ME141008	AISHWARY KATRE	32	45	77	Eligible
9	0126ME141009	AJAY KUMAR YADAV	45	40	85	Eligible
10	0126ME141010	AKASH KHARE	37	40	77	Eligible
11	0126ME141011	AKHILESH KUMAR VERMA	38	40	78	Eligible
12	0126ME141012	AKSHAT AGRAWAL	A	A	A	Not Eligible
13	0126ME141013	AKSHAY SAHU	31	47.5	78.5	Eligible
14	0126ME141014	AKSHAY SINGHAI	35	40	75	Eligible
15	0126ME141016	AMIT TRIPATHI	38	40	78	Eligible
16	0126ME141017	ANKIT KUMAR MISTRI	32	45	77	Eligible
17	0126ME141018	ANKIT KUMAR VARSHNEY	37	40	77	Eligible
18	0126ME141019	ANKIT MAHAJAN	38	40	78	Eligible
19	0126ME141021	ANKIT PANDEY	42	40	82	Eligible
20	0126ME141022	ANKIT SEN	37	40	77	Eligible
21	0126ME141023	ANKUSH GANJRE	31	47.5	78.5	Eligible
22	0126ME141024	ANUBHAV RAI	35	42.5	77.5	Eligible
23	0126ME141025	ANUP KUMAR	37	40	77	Eligible
24	0126ME141026	ANURAG SHRIVASTAVA	38	40	78	Eligible
25	0126ME141027	APOORV SINGH	A	A	A	Not Eligible
26	0126ME141028	ARBAAZ ALTAF	31	47.5	78.5	Eligible
27	0126ME141029	ARJIT AGRAWAL	42	40	82	Eligible
28	0126ME141030	ARPIT SINGH	37	40	77	Eligible
29	0126ME141032	ASEEM	31	47.5	78.5	Eligible
	0126ME141033	ASHISH CHOURASIYA	38	40	78	Eligible



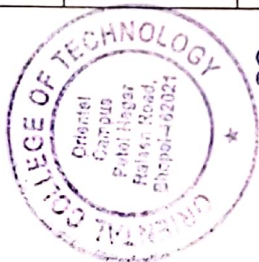
Director

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Bhopal

Head of Department

Mechanical Engineering
Oriental College of Technology, Bhopal

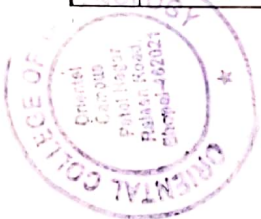
31	0126ME141034	ASHOK KUMAR YADAV	37	40	77	Eligible
32	0126ME141035	ATAL SINGH SENGAR	38	40	78	Eligible
33	0126ME141036	ATHARVA PALIWAL	32	45	77	Eligible
34	0126ME141037	ATISHAY JAIN	A	A	A	Not Eligible
35	0126ME141038	AYUSH BALAGOPAL	A	A	A	Not Eligible
36	0126ME141039	BHUSHAN CHOUDHARY	35	42.5	77.5	Eligible
37	0126ME141040	CHANDAN KUMAR	42	40	82	Eligible
38	0126ME141041	CHITRANSH SHUKLA	38	40	78	Eligible
39	0126ME141042	DEEKSHA TRIPATHI	A	A	A	Not Eligible
40	0126ME141043	DEEPAK KUMAR	35	35	70	Eligible
41	0126ME141044	DEEPAK KUMAR SAHU	37	40	77	Eligible
42	0126ME141045	DEEPANSHU SHRIVASTAVA	42	40	82	Eligible
43	0126ME141046	DHEERAJ KUMAR RAJA	37	40	77	Eligible
44	0126ME141047	GAURAV JAIN	31	47.5	78.5	Eligible
45	0126ME141048	GAURAV KUMAR	38	40	78	Eligible
46	0126ME141049	GULSHAN KUMAR	32	45	77	Eligible
47	0126ME141050	HARSH CHATURVEDI	31	47.5	78.5	Eligible
48	0126ME141051	HEMANT KUMAR PATEL	40	42.5	82.5	Eligible
49	0126ME141052	HRISHABH KUMAR NAGPURE	35	42.5	77.5	Eligible
50	0126ME141053	JAI SINGH YADAV	26	40	66	Eligible
51	0126ME141054	JAYESH KHAPRE	32	45	77	Eligible
52	0126ME141055	KAPIL VERMA	31	47.5	78.5	Eligible
53	0126ME141056	KARTIK MEENA	42	40	82	Eligible
54	0126ME141057	KARTIKEY CHOUDHARY	37	40	77	Eligible
55	0126ME141058	KRISHNA SHARMA	A	A	A	Not Eligible
56	0126ME141060	LAKSHAY SURI	37	40	77	Eligible
57	0126ME141061	LAV RAJPAL	38	40	78	Eligible
58	0126ME141062	MAHENDRA VERMA	42	40	82	Eligible
59	0126ME141063	MANORANJAN KUMAR	37	40	77	Eligible
60	0126ME141064	MASOOD AHMAD	31	47.5	78.5	Eligible
61	0126ME141065	MAYANK DAHARWAL	26	40	66	Eligible
62	0126ME141067	MAYANK KOCHER	37	40	77	Eligible
63	0126ME141068	MAYANK PATIDAR	38	40	78	Eligible
64	0126ME141069	MAYANK YADAV	32	45	77	Eligible
65	0126ME141070	MD TAKAMIL ALAM KHAN	31	47.5	78.5	Eligible
66	0126ME141071	MOHIT OJHA	35	35	70	Eligible



Director
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67	0126ME141072	MOHIT SHARMA	42	40	82	Eligible
68	0126ME141073	MUKESH PATEL	38	40	78	Eligible
69	0126ME141074	NAVEEN PATWA	A	A	A	Not Eligible
70	0126ME141075	NIHAL MEENA	32	45	77	Eligible
71	0126ME141076	NIKHIL MALVIYA	38	40	78	Eligible
72	0126ME141077	NIPUN BAJPAI	35	42.5	77.5	Eligible
73	0126ME141078	NIRAJ KUMAR SINGH	35	42.5	77.5	Eligible
74	0126ME141079	NISHANT GAUR	26	40	66	Eligible
75	0126ME141080	NITISH NAWANGE	40	42.5	82.5	Eligible
76	0126ME141082	PARITOSH PARIHAR	35	42.5	77.5	Eligible
77	0126ME141083	PIYUSH RATHORE	32	45	77	Eligible
78	0126ME141084	PRASHANT KUMAR AGRAWAL	31	47.5	78.5	Eligible
79	0126ME141085	PRATEEK KUMAR NAMDEV	37	40	77	Eligible
80	0126ME141086	PRAVEEN SINGH BHOJAK	42	40	82	Eligible
81	0126ME141087	RAHUL RANJAN	37	40	77	Eligible
82	0126ME141088	RAJ KISHORE KUMAR	31	47.5	78.5	Eligible
83	0126ME141089	RAMESH KUMAR YADAV	35	42.5	77.5	Eligible
84	0126ME141090	RANU KUMAR	26	40	66	Eligible
85	0126ME141091	ROHIT SHARMA	32	45	77	Eligible
86	0126ME141092	SATEESH YADAV	31	47.5	78.5	Eligible
87	0126ME141093	SATYAM SHARMA	40	42.5	82.5	Eligible
88	0126ME141094	SAURABH YADAV	35	35	70	Eligible
89	0126ME141096	SHASHANK	42	40	82	Eligible
90	0126ME141097	SHIVAM MANJHI	38	40	78	Eligible
91	0126ME141098	SHOBHIT SAHU	42	40	82	Eligible
92	0126ME141099	SHUBHAM AGRAWAL	37	40	77	Eligible
93	0126ME141100	SHUBHAM BAHAD	31	47.5	78.5	Eligible
94	0126ME141101	SHUBHAM GUPTA	31	47.5	78.5	Eligible
95	0126ME141102	SHUBHAM TIWARI	35	42.5	77.5	Eligible
96	0126ME141103	SHUBHAM VISHWAKARMA	26	40	66	Eligible
97	0126ME141104	SHUBHAM WASNIK	40	42.5	82.5	Eligible
98	0126ME141105	SOURABH TOMAR	35	42.5	77.5	Eligible
99	0126ME141106	SUBARNO SINHA	32	45	77	Eligible
100	0126ME141107	SUDHANSHU NARTAM	31	47.5	78.5	Eligible
101	0126ME141108	SUMESH YADAV	40	42.5	82.5	Eligible
102	0126ME141110	SUYASH CHANDRA	35	42.5	77.5	Eligible



2

S. Patil
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Sanjay
Head of Department
Mechatronics Engineering
Oriental College of Technology, Bhopal

103	0126ME141111	TAPAS DAS	38	40	78	Eligible
104	0126ME141112	UMAKANT MAHAJAN	35	42.5	77.5	Eligible
105	0126ME141113	VARUN CHITALE	31	47.5	78.5	Eligible
106	0126ME141114	VIJAY PRATAP BHADORIYA	40	42.5	82.5	Eligible
107	0126ME141115	VIJIT KUMAR CHOUDHARY	32	45	77	Eligible
108	0126ME141116	VIKALP SHARMA	42	40	82	Eligible
109	0126ME141117	VIKAS NAGAR	37	40	77	Eligible
110	0126ME141118	VIRENDRA SINGH PARMAR	31	47.5	78.5	Eligible
111	0126ME141119	VIVEK MASHI	40	42.5	82.5	Eligible
112	0126ME141120	YASH GUPTA	35	42.5	77.5	Eligible
113	0126ME153D01	ABHISHEK SAH	20	23	43	Not Eligible
114	0126ME153D03	VIIYOGEE HARI PANDEY	31	47.5	78.5	Eligible

Colours

Head of Department
Mechanical Engineering
Oriental College of Technology, Bhopal

Shri G. P. Singh

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



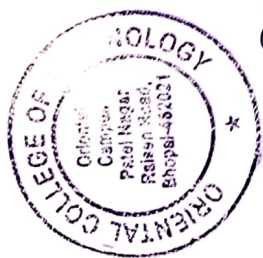
COURSE EVALUATION/ FEEDBACK FORM

Value Added Course	CNC
Date:	14-19, Nov-2016
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




Director
 Oriental College of Technology
 Thakral Nagar, Raisen Road
 Bhopal

CNC PROGRAMMING"

14-19 November 2016



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]



Session: 2016-17

Department of Mechanical Engineering

CERTIFICATE

This is to certify that Mr./Ms. ABHISHEK KUMAR student Of 3rd YEAR, OCT, Bhopal, has Completed the "Value Added Course" on "CNC" during 14-19, Nov-2016, organized by Department of Mechanical Engineering, Oriental College of Technology, Bhopal.

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

[Signature]
Coordinator, ME, OCT

[Signature]
HOD, ME, OCT

[Signature]
Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Mechanical Engineering



Report on Value Added Course on "CNC PROGRAMMING"

Date and Time: 14-19 November 2016

Venue: ME,OCT Campus.

Organized by: ME,OCT Bhopal.

Name of the Speakers

- Mr. Ashish Kumar Chaturvedi, Assistant Professor, ME, OCT
- Mr. Ravishankar Maurya, Assistant Professor, ME, OCT
- Mr. Saumitra Sharma, Assistant Professor, ME, OCT

Participants Details: *FOR III -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 Department of Mechanical Engineering , Oriental College of Technology in had organized "**Value Added Course MATLAB**" from **14-19 November 2016** for the students of third year . This Course syllabus was covered by Mr. Ashish Kumar Chaturvedi along with Mr. Ravishankar Maurya & Mr. Saumitra Sharma in 30 Hrs. of 6-Day program.

On **November 14**, the course started with the inaugural and presidential speech of Dr. N.K.AGARWAL, Director, Oriental College of Technology,Bhopal . In his presidential speech he emphasized on the need to collaborate the academic and the non academic education.

Course coordinator Mr. Saumitra Sharma has given **Introduction to Computer Numerical Control (CNC) With Machine Control Unit (MCU) for CNC**



Leet
Director
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On **November 15**, the Course coordinator, Mr. Saumitra Sharma, guided all students on the topic Blue print reading and post understanding the Views explained by Mr. Ravishankar Maurya.

On **November 16**, Mr. Ravishankar Maurya, explained, Conventional milling Awareness. Coordinate drilling explained by Mr. Ashish Kumar Chaturvedi and Cutting tool materials explained by Mr. Saumitra Sharma.

On **November 17**, Mr. Saumitra Sharma taught Fundamentals of CNC milling, after that assessment of class done. And Fundamentals of CNC programming and Practice session at CNC Lab explained by Mr. Ashish Chaturvedi .

On **November 18**, Practice Session I, Practice Session II Practice Session III taken by Mr. Ravishankar Maurya.

On **November 19**, Mr. Ashish Kumar Chaturvedi has given assignment Assignment submission, and case studies done. Feedback from students collected by Mr. Ravishankar Maurya. Valedictory & Certificate distribution done by Mr. Saumitra Sharma and Mr. Ravishankar Maurya.

At last, Prof. Girish Kumar Khare, 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. Ashish Kumar Chaturvedi and Mr. Ravishankar Maurya 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. Girish Kumar Khare
Course Convenor
ME, OCT



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
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.

Pratibha
17/06/14
Director, OCT

Copy to:

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



Pratibha
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:

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. Naveen Kumar Agrawal
Director, OCT, Bhopal

CONVENOR

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

COURSE COORDINATOR

Mr. Kuldeep Chaurasia
Mr. Pradeep Mishra
Mobile: +91992617094

ORGANISING COMMITTEE MEMBERS

Mr. Sourabh Jain
Mr. Pradeep Mishra

CONTACT

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**Oriental College of Technology,
Bhopal**



Value Added Course

On

“Software Testing”

[8-12, August, 2016]

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: 0755-2529472

Director

Oriental College of Technology
Thakral Nagar Raisen Road
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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 faculty 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. "Software Testing" is a Value Added course which will provide benefits to the participants in understanding many concepts in the field of testing and determining bugs in a program or software as well as verifying and validating them.

OBJECTIVES & CONTENTS

SOFTWARE TESTING is defined as an activity to check whether the actual results match the expected results and to ensure that the software system is Defect free. It involves execution of a software component or system component to evaluate one or more properties of interest. Software testing also helps to identify errors, gaps or missing requirements in contrary to the actual requirements. It can be either done manually or using automated tools. Some prefer saying Software testing as a White Box and Black Box Testing.

- ✓ To know about Software Testing.
- ✓ To know about different methods of Software testing:
- ✓ To know about the projects related to SE and tools used in software testing.

ELIGIBILITY

The Fourth year Students of Computer Science Engineering branch is eligible to attend the Software Testing course.

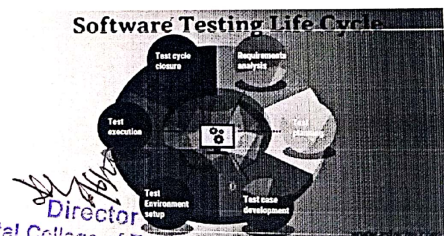
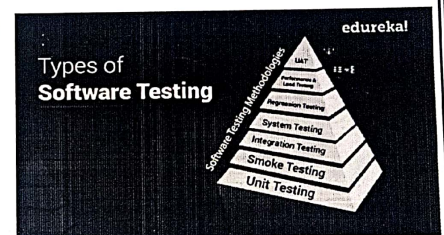
REGISTRATION

No Registration fees.

SPEAKERS

Mr. Pradeep Mishra

Associate Professor, Dept CSE, OCT Bhopal



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Oriental College of Technology, Bhopal

Department of Computer Science and Engineering

Software Testing Syllabus (CSE 40001)

Module I

Overview of the Software-What is Software?, Software Technologies, What is Web Application, Web Application Technologies, Software Testing Life Cycle - (STLC) Understand Requirement, Create Test Cases, Manual Testing, Automation Testing, Test Report.

Module II

Software requirements specification - (SRS) What is SRS, Finding gap in SRS, How to Write a Test Plan from SRS Document, How to test software requirements specification (SRS)?, Review SRS Document and Create Test Scenarios.

Module III

Bug Tracking Tool Use of bug tracking tool, Bug Gennie, Bug Zilla, Jira, Summary Manual Testing-Writing test scenarios, Test planning, Test case design, Test data identification, Reviewing and Execution of Test cases/scripts, Summary, Automation Testing Selenium, QTP

Module IV

Functional Testing-Unit Testing, Integration Testing, System Testing, Regression Testing, Acceptance Testing, Summary Non-Functional Testing Performance Testing, Load Testing, Usability Testing, Security Testing, Portability Testing

Module V

Getting customer's requirements, Creating SRS, Creating Test Plan, Test Plan Execution, Reports, Summary

Kuldeep
Faculty Coordinator



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Head of Department

SCHEDULE- Value Added Course on Software Testing(CSE 40001)

5 Days Value Added Course on Software Testing(8 Aug 2016 to 12 Aug 2016)

8 Aug 2016-Day-1

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	Mr. Pradeep Mishra
10:00 AM-12:30PM	Introduction to Software and Web applications	
12:30-1:10PM	LUNCH	Mr. Pradeep Mishra
01:10-3:10PM	Software Testing Life Cycle, Manual testing and Automation testing	
3:10-3:30PM	Break	Mr. Pradeep Mishra
03:30-5:30PM	Practice session	

9 Aug 2016-Day-2

Time	Session	Teacher
9:00-11:00AM	Introducing SRS	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Finding gap in SRS and learning Test plan from SRS documents	Mr. Pradeep Mishra
01:00-1:40PM	LUNCH	Mr. Pradeep Mishra
01:40-4:30PM	Practice Session	

10 Aug 2016-Day-3

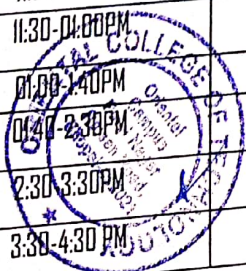
Time	Session	Teacher
9:00-11:00AM	Introduction to Bug Tracking tools, Test planning, Test case design	Mr. Sourabh Jain
11:00-11:30AM	Break	
11:30-01:00PM	Test data identification, Automation Testing Selenium, QTP	Mr. Kuldeep Chaurasia
01:00-1:40PM	LUNCH	Mr. Pradeep Mishra
01:40-4:30PM	Practice session	

11 Aug 2016-Day-4

Time	Session	Teacher
9:00-11:00AM	Functional Testing, Unit testing, Integration testing, Regression testing and many other types	Mr. Pradeep Mishra
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	Mr. Kuldeep Chaurasia
01:40-4:30PM	Practice session	

12 Aug 2016-Day-5

Time	Session	Teacher
9:00-11:00AM	Creating SRS, test plans, test plan execution	Mr. Kuldeep Chaurasia
11:00-11:30AM	Break	
11:30-01:00PM	Reports and Summary	Mr. Sourabh Jain
01:00-1:40PM	LUNCH	Mr. Pradeep Mishra
01:40-2:30PM	Practice session	Mr. Kuldeep Chaurasia
2:30-3:30PM	Feedback from students	Mr. Pradeep Mishra
3:30-4:30 PM	Valedictory & Certificate distribution	



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Department of Computer Science and Engineering

Marks Scored: _____

Semester: VII

Subject Name/Code: *Soft ware Testing (CSE 40001)*

Max Marks: 50

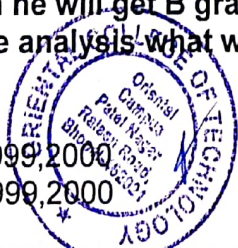
Name of Student: _____ Enrollment No: _____

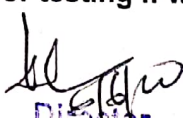
- 1) Which of the following is/are not a characteristic/s of Alpha Testing?
 - a. Simulated environment is created at developer's site and user tests the system.
 - b. System is installed at user organization and user tests the system.
 - c. Alpha testing is also called as factory acceptance testing.
 - d. Alpha testing is also called as site acceptance testing.
 - e. both b and d

- 2) Which of the following statements is not true?
 - a. Acceptance Testing determines if system is ready for release
 - b. Acceptance Testing checks whether system meets needs and expectations
 - c. Acceptance Testing helps to find defects in system
 - d. Acceptance Testing is responsibility of user

- 3) A shopping website gives discount based on prices of total purchased items. Suppose customer purchases are below 2000 Rs. then no discount, for purchases till 20000, it gives 10% discount and above 20000 it gives 15% discount. Which of the following sets of values lie in 3 different equivalence classes?
 - a. 1800, 2000, 8000
 - b. 2001, 10000, 20002
 - c. 1800, 2003, 58000
 - d. 100, 1800, 20001

- 4) In final examination, student can get 0 to 3000 marks. Student has to get 50% in order to pass the examination. If he gets 2000 or below that he will be given C grade, if he gets 2000-2500 then he will get B grade and above that he is eligible for A grade. Using boundary value analysis what will be the values for testing if we are testing for C grade?
 - a. 1500, 1501, 1999, 2000
 - b. 1499, 1500, 1999, 2000




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- c. 1500,1501,2000,2001
- d. 1499,1500,2000,2001

5) Choose the correct option according to the given statements.

Statement 1: A proactive risk strategy begins long before technical work is initiated.

Statement 2: In reactive risk strategy software team does nothing about risks until something goes wrong.

Statement 3: A proactive risk strategy begins after technical work is initiated.

Statement 4: In reactive risk strategy you plan ahead to avoid or manage problems.

- a. Only statement 1 is correct.
- b. Statement 2 and 3 are correct.
- c. Statement 1 and 4 are correct.
- d. Statement 1 and 2 are correct.

6) Effective Risk management plan needs to address which of these issues?

- a. Risk avoidance
- b. Risk monitoring
- c. Risk management and contingency planning
- d. All of the above

7) Before handing over the software to the client, which testing is to be done in-house?

- a. Alpha
- b. Beta
- c. Gamma
- d. Theta

8) Who performs the Acceptance Testing?

- a. Software Developer
- b. End users
- c. Testing team
- d. Systems engineers

9) For retail shopping software which table would be example of Decision Table?


- a. A table containing rules of discount.
- b. A table containing rules for interfaces between components.
- c. A table containing rule of employee behaviour.
- d. A table containing rules for combination of input.

10) Agile Development Testing is treated as a separate phase.

- a. True
- b. False

11) Agile is a




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- a. Sequential
- b. Iterative
- c. Incremental
- d. Both b & c

12) Error guessing can have more fruitful results when _____ .

- a. System has been deployed
- b. When testing with inexperienced tester
- c. As a first approach of testing
- d. As an additional technique after applying more formal techniques

13) In which of the following techniques, experience of tester is beneficial?

- a. Error guessing
- b. exploratory testing
- c. Both a and b
- d. None as there is any relationship between techniques applied & experience of a tester.

14) Controller Output window displays _____ .

- a. Debug information
- b. Controller information
- c. Contain full information about Vuser
- d. All of these

15) The Correlation Statement instructs VuGen to save the first occurrence of this data to a parameter called _____ .

- a. Web_reg_save_param
- b. WCSPParam_Diff1
- c. WCSPParam_Reg
- d. WebParam_Diff1

16) Cyclomatic Complexity cannot be applied in _____ .

- a. Re-engineering
- b. Risk Management
- c. Test Planning
- d. Reverse engineering

17) Which coupling should be avoided in software?

- a. Data coupling
- b. Content coupling
- c. Control coupling
- d. Stamp coupling.

18) _____ is used to replace field values in the requirements tree.

- a. Replace
- b. Replace All
- c. Find and Replace
- d. All of these.



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19) Solid Blue line indicates that _____ .

- a. Test to be executed after the previous test, with no condition.
- b. Test to be executed only if the previous test has finished.
- c. Test to be executed only if the previous test has status passed.
- d. All of these.

20) RGB and Pixel Tolerance are related to _____ .

- a. Bitmap checkpoint
- b. Image checkpoint
- c. All of these
- d. None of these

21) Which is treated as Regular Expression?

- a. []
- b. |
- c. \$
- d. {}

22) Which of the following is true regarding Incremental backup?

- a. Uses more tapes
- b. Done every month
- c. Saves only files that have changed recently
- d. Saves all files

23) Which of the following is used in high level of testing?

- a. Functional testing
- b. Structural testing
- c. Glass box testing
- d. All of these

24) Which regular expression sequence loosely translates to "anything or nothing?"

- a. * (dot star)
- b. * (star dot)
- c. "?"
- d. *+

25) In Selenium variables are stored in _____ .

- a. storedVars
- b. storedVariables
- c. VariablesStore
- d. All of the above



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Software Testing Syllabus (CSE40001) Answers

Answers:

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



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Raipur

Oriental College of Technology, Bhopal
Department of Computer science & Engg
Attendance Sheet

S NO	ENROLL NO	NAME					
1	0126CS121003	ABHISHEK RAUT	Arout	(A)	Arout	Arout	(A)
2	0126CS121048	MAYUR SWARNKAR	Mayur	(A)	Mayur	Mayur	(A)
3	0126CS121056	NAVNEET SHUKLA	Neet	(A)	Neet	Neet	(A)
4	0126CS121057	NEEHARIKA CHAKHAIYAR	Neeka	(A)	Neeka	Neeka	(A)
5	0126CS121062	PALASH QURESHI	Palash	(A)	Palash	Palash	(A)
6	0126CS131001	ABHISHEK KUMAR MISHRA	Ahmish	(A)	Ahmish	Ahmish	(A)
7	0126CS131002	AKARSH KHARE	Akhare	(A)	Akhare	Akhare	(A)
8	0126CS131003	AKASH AGRAWAL	Akash	(A)	Akash	Akash	(A)
9	0126CS131004	AKASH KUMAR VISHWAKARMA	Akash	(A)	Akash	Akash	(A)
10	0126CS131006	AKSHAY PIPRE	Akshay	(A)	Akshay	Akshay	(A)
11	0126CS131007	AMIT RANJAN	Amit	(A)	Amit	Amit	(A)
12	0126CS131008	AMRATA CHAURASIA	Achaur	(A)	Achaur	Achaur	(A)
13	0126CS131010	ANUBHAV BELWAL	Belwal	(A)	Belwal	Belwal	(A)
14	0126CS131011	ANUJ SHARMA	Anuj	(A)	Anuj	Anuj	(A)
15	0126CS131012	ANURAG TIWARI	Anurag	(A)	Anurag	Anurag	(A)
16	0126CS131013	ANUSHREE TIWARI	Anshree	(A)	Anshree	Anshree	(A)
17	0126CS131014	ARCHI SAHU	Archi	(A)	Archi	Archi	(A)
18	0126CS131015	ARPITA TANDON	Arpita	(A)	Arpita	Arpita	(A)
19	0126CS131016	ARSALAN AHMED ANSARI	Ahmed	(A)	Ahmed	Ahmed	(A)
20	0126CS131017	ARUNIMA MRS	Aruni	(A)	Aruni	Aruni	(A)
21	0126CS131018	AYUSH SONI	Ayush	(A)	Ayush	Ayush	(A)
22	0126CS131020	BRAJENDRA BAGHEL	Brajendra	(A)	Brajendra	Brajendra	(A)
23	0126CS131021	CAROL JASMINE MENDONZA	Carol	(A)	Carol	Carol	(A)
24	0126CS131022	CHARU UPADHYAY	Charu	(A)	Charu	Charu	(A)
25	0126CS131023	DEEKSHA NEEKHRA	Deeksha	(A)	Deeksha	Deeksha	(A)
26	0126CS131024	DEV SHARMA	Dev	(A)	Dev	Dev	(A)
27	0126CS131025	DIKSHA RAJ	Diksha	(A)	Diksha	Diksha	(A)
28	0126CS131026	DIKSHA SINGH	Diksha	(A)	Diksha	Diksha	(A)
29	0126CS131027	DIVYA KRIPALANI	DK	(A)	DK	DK	(A)
30	0126CS131028	DRISHTY SHARMA	Drishya	(A)	Drishya	Drishya	(A)
31	0126CS131030	GARIMA CHOUDHARY	Garima	(A)	Garima	Garima	(A)
32	0126CS131031	GEETIKA KHARE	Geetika	(A)	Geetika	Geetika	(A)
33	0126CS131032	HARSHA SONI	Harsha	(A)	Harsha	Harsha	(A)
34	0126CS131033	HARSHITA AGRAWAL	Harshita	(A)	Harshita	Harshita	(A)
35	0126CS131034	HIMIL MEHANDIRATTA	Himil	(A)	Himil	Himil	(A)
36	0126CS131035	HIRTIK RAI	Hiratik	(A)	Hiratik	Hiratik	(A)
37	0126CS131036	ISHITA TIWARI	Ishita	(A)	Ishita	Ishita	(A)
38	0126CS131037	JAGRATI KISHINANI	Jagrati	(A)	Jagrati	Jagrati	(A)
39	0126CS131040	KANIKA NEMA	Kanika	(A)	Kanika	Kanika	(A)
40	0126CS131041	KOMAL KHARE	Komal	(A)	Komal	Komal	(A)
41	0126CS131042	KOPAL SADAPHAL	Kopal	(A)	Kopal	Kopal	(A)

42	0126CS131043	KRIKA DIXIT	Dixit	(A)	Dixit	(A)	Dixit	(A)
43	0126CS131045	MANAV MALPANI	Manav	(A)	Manav	(A)	Manav	(A)
44	0126CS131046	MANISH TRIVEDI	Manish	(A)	Manish	(A)	Manish	(A)
45	0126CS131047	MANU SAXENA	Manu	(A)	Manu	(A)	Manu	(A)
46	0126CS131048	MEGHA JAIN	Megha	(A)	Megha	(A)	Megha	(A)
47	0126CS131049	NEELAM SAHU	Neelam	(A)	Neelam	(A)	Neelam	(A)
48	0126CS131050	NEHA BANDWAR	Neha	(A)	Neha	(A)	Neha	(A)
49	0126CS131051	NIKUNJ GANGRADE	Nikunj	(A)	Nikunj	(A)	Nikunj	(A)
50	0126CS131052	NITISH JADIA	Nitish	(A)	Nitish	(A)	Nitish	(A)
51	0126CS131053	OWAIS JILANI	Owais	(A)	Owais	(A)	Owais	(A)
52	0126CS131054	PANDEY ABHILASH VIMAL	Pandey	(A)	Pandey	(A)	Pandey	(A)
53	0126CS131055	PANKAJ CHOUHAN	Pankaj	(A)	Pankaj	(A)	Pankaj	(A)
54	0126CS131056	PANKAJ NAGAR	Pankaj	(A)	Pankaj	(A)	Pankaj	(A)
55	0126CS131057	PANKAJ VERMA	Pankaj	(A)	Pankaj	(A)	Pankaj	(A)
56	0126CS131058	PARAS RAI	Paras	(A)	Paras	(A)	Paras	(A)
57	0126CS131059	PARITOSH RAJ	Paritosh	(A)	Paritosh	(A)	Paritosh	(A)
58	0126CS131060	PARUL MUNGI	Parul	(A)	Parul	(A)	Parul	(A)
59	0126CS131061	PAWAN TIWARI	Pawan	(A)	Pawan	(A)	Pawan	(A)
60	0126CS131062	POOJA GUPTA	Pooja	(A)	Pooja	(A)	Pooja	(A)
61	0126CS131063	POOJA SINGH	Pooja	(A)	Pooja	(A)	Pooja	(A)
62	0126CS131065	PRAKHAR TRIVEDI	Prakhar	(A)	Prakhar	(A)	Prakhar	(A)
63	0126CS131066	PRANATI DEVNATH	Pranati	(A)	Pranati	(A)	Pranati	(A)
64	0126CS131067	PRANAY RAJ	Pranay	(A)	Pranay	(A)	Pranay	(A)
65	0126CS131071	PRATIK GURJAR	Pratik	(A)	Pratik	(A)	Pratik	(A)
66	0126CS131074	PRINCE VERMA	Prince	(A)	Prince	(A)	Prince	(A)
67	0126CS131075	PRIYANSHI SHIRIVASTAVA	Priyanshi	(A)	Priyanshi	(A)	Priyanshi	(A)
68	0126CS131076	RAHUL SURYAWANSHI	Rahul	(A)	Rahul	(A)	Rahul	(A)
69	0126CS131078	RANU LILHORE	Ranu	(A)	Ranu	(A)	Ranu	(A)
70	0126CS131079	RAUSHAN RAJ	Raushan	(A)	Raushan	(A)	Raushan	(A)
71	0126CS131080	REEMA BARANGE	Reema	(A)	Reema	(A)	Reema	(A)
72	0126CS131081	REENA DANGI	Reena	(A)	Reena	(A)	Reena	(A)
73	0126CS131082	RICHA	Richa	(A)	Richa	(A)	Richa	(A)
74	0126CS131083	RIMSHA ALAM	Rimsha	(A)	Rimsha	(A)	Rimsha	(A)
75	0126CS131084	RISHIKA KAPOOR	Rishika	(A)	Rishika	(A)	Rishika	(A)
76	0126CS131085	RISHIRAJ GUPTA	Rishiraj	(A)	Rishiraj	(A)	Rishiraj	(A)
77	0126CS131086	RITU PANDEY	Ritu	(A)	Ritu	(A)	Ritu	(A)
78	0126CS131088	ROSHINEE ADLAK	Roshinee	(A)	Roshinee	(A)	Roshinee	(A)
79	0126CS131089	SAGARIKA SANT	Sagarika	(A)	Sagarika	(A)	Sagarika	(A)
80	0126CS131090	SANIL ROHIRA	Sanil	(A)	Sanil	(A)	Sanil	(A)
81	0126CS131091	SANISH SHIRIVASTAVA	Sanish	(A)	Sanish	(A)	Sanish	(A)
82	0126CS131092	SANMEER SINGH	Sanmeer	(A)	Sanmeer	(A)	Sanmeer	(A)
83	0126CS131093	SANVIYAM RAJPUT	Sanviyam	(A)	Sanviyam	(A)	Sanviyam	(A)
84	0126CS131094	SHANVI LAKHARA	Shanvi	(A)	Shanvi	(A)	Shanvi	(A)

85	0126CS131095	SHANTANU YADAV	Syadav	(A)	Syadav	Syadav	(A)
86	0126CS131096	SHIKHA RAJPUT	Shikha	(A)	Shikha	Shikha	(A)
87	0126CS131098	SHIVAM PANDEY	Shivam	(A)	Shivam	Shivam	(A)
88	0126CS131099	SHIVAM SHARMA	SH	(A)	SH	SH	(A)
89	0126CS131100	SHIVANGI SHARMA	Shiv	(A)	Shiv	Shiv	(A)
90	0126CS131101	SHIVANI BHAWSAR	Shivani	(A)	Shivani	Shivani	(A)
91	0126CS131102	SHIVANI MATHUR	Shivani	(A)	Shivani	Shivani	(A)
92	0126CS131103	SHRADHA BHUTE	Shradha	(A)	Shradha	Shradha	(A)
93	0126CS131105	SHUBH VARDHAN JAIN	Shubh	(A)	Shubh	Shubh	(A)
94	0126CS131106	SHUBHAM PARALIKAR	Shubham	(A)	Shubham	Shubham	(A)
95	0126CS131107	SHUBHAM SINGH	Shubham	(A)	Shubham	Shubham	(A)
96	0126CS131108	SHUBHANGI DARGARI	Shubh	(A)	Shubh	Shubh	(A)
97	0126CS131109	SHWETA MENGHANI	Shweta	(A)	Shweta	Shweta	(A)
98	0126CS131110	SIDDHANT MISHRA	Siddhant	(A)	Siddhant	Siddhant	(A)
99	0126CS131111	SNIGDHA SINGH	Snigdha	(A)	Snigdha	Snigdha	(A)
100	0126CS131112	SONALI SINGH	Singh	(A)	Singh	Singh	(A)
101	0126CS131114	SURBHI PENDHARKAR	Surbhi	(A)	Surbhi	Surbhi	(A)
102	0126CS131115	SURBHILSARAF	Subhi	(A)	Subhi	Subhi	(A)
103	0126CS131116	SURENDRA VISIHWAKARMA	Suresh	(A)	Suresh	Suresh	(A)
104	0126CS131117	SWATI RAHANGDALE	Swati	(A)	Swati	Swati	(A)
105	0126CS131119	UTKARSH DONI	Utkarsh	(A)	Utkarsh	Utkarsh	(A)
106	0126CS131122	VINOD KUMAR MEENA	Vinod	(A)	Vinod	Vinod	(A)
107	0126CS131123	VIPIN VISHWAKARMA	Vinod	(A)	Vinod	Vinod	(A)
108	0126CS131124	VIVEK KUMAR	Vivek	(A)	Vivek	Vivek	(A)
109	0126CS143D01	VIRENDRA YADAV	Vivek	(A)	Vivek	Vivek	(A)

Department
Computer Science & Engineering
Oriental College of Technology, Bhopal



[Signature]
Director

Oriental College of Technology
Thakral Nagar, Raikar Road
Bhopal

Oriental College of Technology, Bhopal
Computer Science & Engineering Department
Value Added Course: Software Testing, 8-12 Aug 2016
Course Code: CS 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	0126CS121003	ABHISHEK RAUT	30	30	60	Eligible
2	0126CS121048	MAYUR SWARNKAR	35	35	70	Eligible
3	0126CS121056	NAVNEET SHUKLA	42	40	82	Eligible
4	0126CS121057	NEELHARIKA CHAKHAIYAR	38	40	78	Eligible
5	0126CS121062	PALASH QURESHI	37	40	77	Eligible
6	0126CS131001	ABHISHEK KUMAR MISHRA	35	45	80	Eligible
7	0126CS131002	AKARSH KHARE	45	41	86	Eligible
8	0126CS131003	AKASH AGRAWAL	35	40	75	Eligible
9	0126CS131004	AKASH KUMAR VISHWAKARMA	30	30	60	Eligible
10	0126CS131006	AKSHAY PIPRE	35	35	70	Eligible
11	0126CS131007	AMIT RANJAN	42	40	82	Eligible
12	0126CS131008	AMRATA CHAURASIA	38	40	78	Eligible
13	0126CS131010	ANUBHAV BELWAL	37	40	77	Eligible
14	0126CS131011	ANUJ SHARMA	35	45	80	Eligible
15	0126CS131012	ANURAG TIWARI	45	42	87	Eligible
16	0126CS131013	ANUSHREE TIWARI	35	40	75	Eligible
17	0126CS131014	ARCHI SAHU	30	30	60	Eligible
18	0126CS131015	ARPITA TANDON	42	40	82	Eligible
19	0126CS131016	ARSALAN AHMED ANSARI	38	40	78	Eligible
20	0126CS131017	ARUNIMA MRS	37	40	77	Eligible
21	0126CS131018	AYUSH SONI	A	A	0	Not Eligible
22	0126CS131020	BRAJENDRA BAGHEL	A	A	0	Not Eligible
23	0126CS131021	CAROL JASMINE MENDONZA	37	40	77	Eligible
24	0126CS131022	CHARU UPADHYAY	35	45	80	Eligible
25	0126CS131023	DEEKSHA NEEKHRA	45	35	80	Eligible
26	0126CS131024	DEV SHARMA	35	40	75	Eligible
27	0126CS131025	DIKSHA RAJ	30	30	60	Eligible
28	0126CS131026	DIKSHA SINGH	35	45	80	Eligible
29	0126CS131027	DIVYA KRIPALANI	45	34	79	Eligible
30	0126CS131028	DRISHTY SHARMA	A	A	0	Not Eligible
31	0126CS131030	GARIMA CHOUDHARY	35	35	70	Eligible
32	0126CS131031	GEETIKA KHARE	42	40	82	Eligible
33	0126CS131032	HARSHA SONI	38	40	78	Eligible
34	0126CS131033	HARSHITA AGRAWAL	37	40	77	Eligible
35	0126CS131034	HIMIL MEHANDIRATTA	35	45	80	Eligible
36	0126CS131035	HRIK RAI	45	36	81	Eligible
37	0126CS131036	ISHITA TIWARI	35	40	75	Eligible
38	0126CS131037	JAGRATI KISHNANI	30	30	60	Eligible
39	0126CS131040	KANIKA NEMA	35	35	70	Eligible
40	0126CS131041	KOMAL KHARE	42	40	82	Eligible
41	0126CS131042	KOPAL SADAPHAL	37	40	77	Eligible
42	0126CS131043	KRITIKA DIXIT	35	45	80	Eligible
43	0126CS131045	MANAV MALPANI	45	41	86	Eligible
44	0126CS131046	MANISH TRIVEDI	35	40	75	Eligible
45	0126CS131047	MANU SAXENA	30	30	60	Eligible
46	0126CS131048	MEGHA JAIN	35	45	80	Eligible
47	0126CS131049	NEELAM SAHU	A	A	0	Not Eligible
48	0126CS131050	NEHA BANDWAR	37	40	77	Eligible
49	0126CS131051	NIKUNJ GANGRADE	35	45	80	Eligible
50	0126CS131052	NITISH JADIA	45	40	85	Eligible
51	0126CS131053	OWAIS JILANI	35	40	75	Eligible
52	0126CS131054	PANDEY ABHILASH VIMAL	30	30	60	Eligible
53	0126CS131055	PANKAJ CHOUHAN	35	40	75	Eligible
54	0126CS131056	PANKAJ NAGAR	30	30	60	Eligible
55	0126CS131057	PANKAJ VERMA	A	A	0	Not Eligible
56	0126CS131058	PARAS RAI	35	35	70	Eligible
57	0126CS131059	PARITOSH RAJ	42	40	82	Eligible
58	0126CS131060	PARUL MUNGI	38	40	78	Eligible
59	0126CS131061	PAWAN TIWARI	37	40	77	Eligible
60	0126CS131062	POOJA GUPTA	35	45	80	Eligible
61	0126CS131063	POOJA SINGH	35	43	78	Eligible
62	0126CS131065	PRAKHAR TRIVEDI	35	40	75	Eligible
63	0126CS131066	PRANATI DEVNATH	30	30	60	Eligible
64	0126CS131067	PRANAY RAJ	35	35	70	Eligible
65	0126CS131071	PRATIK GURJAR	42	40	82	Eligible

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Computer Science & Engineering
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66	0126CS131074	PRINCE VERMA	37	40	77	Eligible
67	0126CS131075	PRIVANSHI SHRIVASTAVA	35	45	80	Eligible
68	0126CS131076	RAHUL SURYAWANSHI	45	47.5	92.5	Eligible
69	0126CS131078	RANU LILHORE	35	40	75	Eligible
70	0126CS131079	RAUSHAN RAJ	30	30	60	Eligible
71	0126CS131080	REEMA BARANGE	35	40	75	Eligible
72	0126CS131081	REENA DANGI	A	A	0	Not Eligible
73	0126CS131082	RICHA	A	A	77	Eligible
74	0126CS131083	RIMSHA ALAM	37	40	80	Eligible
75	0126CS131084	RISHIKA KAPOOR	35	45	89	Eligible
76	0126CS131085	RISHIRAJ GUPTA	45	44	89	Eligible
77	0126CS131086	RITU PANDEY	35	40	75	Eligible
78	0126CS131088	ROSHNEE ADLAK	35	40	75	Eligible
79	0126CS131089	SAGARIKA SANT	A	A	0	Not Eligible
80	0126CS131090	SAHIL ROHIRA	35	35	70	Eligible
81	0126CS131091	SAKSHI SHRIVASTAVA	42	40	82	Eligible
82	0126CS131092	SAMEER SINGH	38	40	78	Eligible
83	0126CS131093	SATYAM RAJPUT	37	45	80	Eligible
84	0126CS131094	SHALINI LAKHERA	35	39	84	Eligible
85	0126CS131095	SHANTANU YADAV	45	40	75	Eligible
86	0126CS131096	SHIKHA RAJPUT	35	30	60	Eligible
87	0126CS131098	SHIVAM PANDEY	30	35	70	Eligible
88	0126CS131099	SHIVAM SHARMA	35	40	82	Eligible
89	0126CS131100	SHIVANGI SHARMA	42	40	82	Eligible
90	0126CS131101	SHIVANI BHAWSAR	37	40	77	Eligible
91	0126CS131102	SHIVANI MATHUR	35	45	80	Eligible
92	0126CS131103	SHRADHA BHUTE	45	38	83	Eligible
93	0126CS131105	SHUBH VARDHAN JAIN	35	40	75	Eligible
94	0126CS131106	SHUBHAM PARALIKAR	A	A	0	Not Eligible
95	0126CS131107	SHUBHAM SINGH	37	40	77	Eligible
96	0126CS131108	SHUBHANGI DARGARH	35	45	80	Eligible
97	0126CS131109	SHWETA MENGHANI	45	39	84	Eligible
98	0126CS131110	SIDDHANT MISHRA	35	40	75	Eligible
99	0126CS131111	SNIGDHA SINGH	30	30	60	Eligible
100	0126CS131112	SONALI SINGH	35	40	75	Eligible
101	0126CS131114	SURBHI PENDHARKAR	A	A	0	Not Eligible
102	0126CS131115	SURBHI SARAF	37	40	77	Eligible
103	0126CS131116	SURENDRA VISHWAKARMA	35	45	80	Eligible
104	0126CS131117	SWATI RAHANDALE	45	38	83	Eligible
105	0126CS131119	UTKARSH DONI	35	40	75	Eligible
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108	0126CS131124	VIVEK KUMAR	A	A	0	Not Eligible
109	0126CS143D01	VIRENDRA YADAV	30	30	60	Eligible
			A	A	0	Not Eligible

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



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

Feedback Form

Value Added Course	<i>Software Tessting (CSE 40001)</i>
Date:	<i>8-12 Aug 2016</i>
Program Location:	<i>CSE Dept Oriental College of Technology, Bhopal</i>
Presenter(s):	<i>Mr. Pradeep Mishra</i>

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

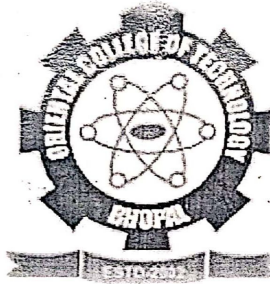


(Signature)
Director

Oriental College of Technology
Thakral Nagar, Raosen Road
Bhopal

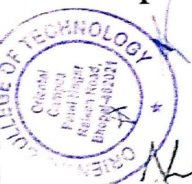
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

[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. AKASH AGRAWAL of CS-VII Sem , OCT, Bhopal, has Successfully Completed the "Value Added Course" on "*Software Testing*" during 08-12 Aug 2016 , organized by Computer Science and Engineering Department of Oriental College of Technology, Bhopal



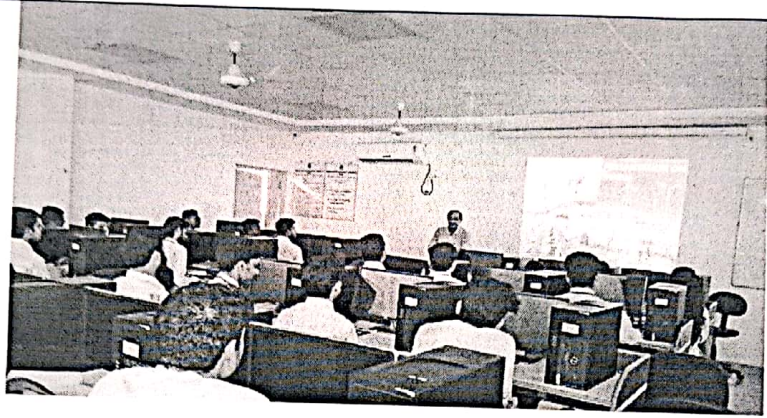

Co-Ordinator, CS, OCT


Head of Department, CS OCT


Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal


Director, OCT

Value Added Course	Software Testing (CSE 40001)
Date:	8-12 Aug 2016



Sharma
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 "SOFTWARE TESTING"

DATE AND TIME: 8-12, AUGUST, 2016

ORGANIZED BY: CSE, OCT, BHOPAL

**NAME OF THE SPEAKERS: MR. PRADEEP MISHRA, ASSOCIATE PROFESSOR,
MR. SAURABH JAIN, ASSOCIATE PROFESSOR & MR. KULDEEP CHAURASIA 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. "SOFTWARE TESTING" IS A VALUE ADDED COURSE WHICH WILL PROVIDE BENEFITS TO THE PARTICIPANTS IN UNDERSTANDING MANY CONCEPTS IN THE FIELD OF TESTING AND DETERMINING BUGS IN A PROGRAM OR SOFTWARE AS WELL AS VERIFYING AND VALIDATING THEM.

THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ORIENTAL COLLEGE OF TECHNOLOGY ORGANIZED "VALUE ADDED COURSE ON "SOFTWARE TESTING" FROM 8 AUGUST, 2016 TO 12 AUGUST, 2016 FOR THE STUDENTS OF FOURTH YEAR.

THIS COURSE SYLLABUS WAS COVERED BY MR. PRADEEP MISHRA, ASSOCIATE PROFESSOR, MR. SAURABH JAIN AND MR. KULDEEP CHAURASIA ASSISTANT PROFESSOR CSE, OCT IN 30 HRS. OF 5-DAY PROGRAM.

INAUGURAL CEREMONY STARTED BY DIRECTOR SPEECH ON 8 TH AUGUST, 2016 AND THIS COURSE IS CONDUCTED AS PER SCHEDULE AND ON 12 TH AUGUST, 2016 VALEDICTORY FUNCTION WAS CONDUCTED.

Kuldeep
PROF. KULDEEP CHAURASIA

COURSE COORDINATOR

CSE, OCT



Certificate by
[Signature]

Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal



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

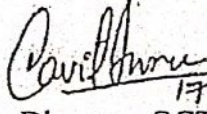
ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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

Head of Department
Department of Information Technology
Oriental College of Technology, 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. N.K Agrawal
Director, OCT, Bhopal

CONVENOR

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ochothit@oriental.ac.in
Mobile: +919827042079

COURSE COORDINATOR

Miss. Ankita Singh
Mobile: +919589080841
Mr. Sujeet Lumar
Mobile: +918602659579

ORGANISING COMMITTEE MEMBERS

Miss Alka Tripathi
Mr. Vishal Thakur

CONTACT

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Mobile: +919827042079
Miss. Ankita Singh
Mobile: +919589080841

**Oriental College of Technology,
Bhopal**



Value Added Course

on

“Full Stack Development”

[23-27, January, 2017]

For IV -Year Students

Organized By

Department of Information Technology

Oriental College of Technology,
Thakral Nagar, Raisen Road, Bhopal – 462026
Phone: 2529026, 2529057, Fax: 0755-2529472

Handwritten signature
Director 27/6/20
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. FULL STACK DEVELOPMENT is Value Added course which will provide benefits to the participants in many ongoing research areas in latest technologies.

OBJECTIVES & CONTENTS

Mean stack refers to a collection of JavaScript technologies used to develop web applications. Therefore, from the client to the server to the database everything is based on JavaScript. MEAN is a full-stack development toolkit used to develop a fast and robust web application

ELIGIBILITY

The Fourth year Students of Information Technology branch are eligible to attend the Course on FULL STACK DEVELOPMENT

REGISTRATION

No Registration fees.

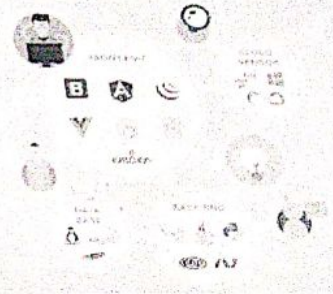
SPEAKERS

Miss Ankita Singh

[Assistant Professor, Oriental College of Technology, Bhopal]

Mr. Sujeet Kumar

[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

Full Stack Development

Module -1

- Web Fundamentals
- The Command Line
- Using Git to Collaborate

Module -2

- The Design Process
- Introduction to Product Design
- Introduction to User Experience (UX)
- Elements of Visual Design
- Building and Using Mockups

Module-3

- Principles of Software Engineering
- Agile Web Development
- Pseudocoding
- SOLID Design Principles

Module-4

- HTML5
- CSS3
- Developer Tools
- Debugging Markup
- SASS preprocessing
- Twitter Bootstrap

Module -5

- The Fundamentals of Code
- Data Types, Flow Control, Looping
- Intermediate JavaScript
- Object-Oriented Programming
- Functional Programming
- 'This', Scope and Closures
- Objects and Prototypes
- jQuery Events and Eects
- The Module Pattern
- Error Handling
- Refactoring and Debugging
- Namespacing



[Signature]
9/6/20
Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

[Signature]
Head of Department
Information Technology
Oriental College of Technology, B.

SCHEDULE
5 Days Value Added Course on Full Stack Development [23-Jan-2017 To 27-Jan-2017]

23Jan 2017

Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to Full Stack development, Web Fundamentals	Miss Ankita Singh
12:30-1:10PM	LUNCH	
01:10-3:10PM	The Command Line,	Miss Ankita Singh
3:10 -3:30PM	Break	
03:30-5:30PM	Using Git to Collaborate	Miss Ankita Singh

24Jan 2017

Time	Session	Teacher
9:00-11:00AM	The Design Process, Introduction to Product Design Introduction to User Experience(Ux)	Miss Ankita Singh
11:00-11:30AM	Break	
11:30-01:00PM	Elements of Visula Design	Miss Ankita Singh
01:00-1:40PM	LUNCH	
01:40-4:30PM	Building Using Mockups	Miss Ankita Singh

25Jan 2017

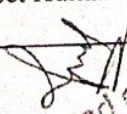
Time	Session	Teacher
9:00-11:00AM	Principles of Software Engineering	Miss Ankita Singh
11:00-11:30AM	Break	
11:30-01:00PM	Agile Web Development	Miss Ankita Singh
01:00-1:40PM	LUNCH	
01:40-4:30PM	Pseudo coding and solid Design Principles	Mr. Sujeet Kumar

26 Jan 2017

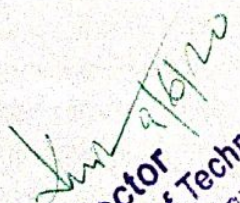
Time	Session	Teacher
9:00-11:00AM	HTML 5 CSS3 Developer Tools	Mr. Sujeet Kumar
11:00-11:30AM	Break	
11:30-01:00PM	Debugging Markups	Mr. Sujeet Kumar
01:00-1:40PM	LUNCH	
01:40-4:30PM	SASS Preprocessing, Twitter Boot strap	Miss Ankita Singh

27Jan 2017

Time	Session	Teacher
9:00-11:00AM	Fundamentals of Code, Data tyes Intermediate Java Script, Objects and Prototypes	Mr. Sujeet Kumar
11:00-11:30AM	Break	
11:30-01:00PM	Refactoring and Debugging namespacing	Mr. Sujeet Kumar
01:00-1:40PM	LUNCH	
01:40-2:30PM		Mr. Sujeet Kumar
2:30-3:30PM	Objective test	Mr. Sujeet Kumar
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Sujeet Kumar


 Head of Department
 Information Technology
 Oriental College of Technology




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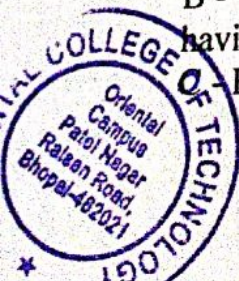


ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Objective type test on FULL Stack Development		Dated 27-JAN-2017	
Branch:	Information Technology		
Semester:	VII Semester		
Subject:	Value added course on FULL Stack Development	Subject Code: IT 40001	Time: 1 Hour
Note	All questions are compulsory		

Max Marks 50

- In which of the following areas, Node.js is not advised to be used?
A - Single Page Applications
B - JSON APIs based Applications
C - CPU intensive applications
D - Data Intensive Realtime Applications (DIRT)
- By default, npm installs any dependency in the global mode.
A - true
B - false
- Which of the following is true about EventEmitter.on property?
A - on property is used to fire event.
B - on property is used to bind a function with the event.
C - on property is used to locate an event handler.
D - None of the above.
- Which method of fs module is used to get information about file?
A - fs.open(path, flags[, mode], callback)
B - fs.stat(path, callback)
C - fs.readFile(path, flags[, mode], callback)
D - None of the above.
- Which method of fs module is used to read a directory?
A - fs.readdir(path[, mode], callback)
B - fs.read(path[, mode], callback)
C - fs.readdir(path, callback)
D - None of the above.
- Which of the following code prints memory usage?
A - console.log(process.memoryUsage());
B - console.log('Current version: ' + process.memory());
C - console.log('Current version: ' + process.getMemory());
D - None of the above.
- Which of the following module is required for network specific operations?
A - os module
B - fs module
C - net module
D - None of the above.
- net.isIP(input) returns 4 for IP version 4 addresses.
A - true
B - false
- Which of the following is true about fork method of child_process module.
A - The fork() method is a special case of the spawn() to create Node processes.
B - The fork method returns object with a built-in communication channel in addition to having all the methods in a normal ChildProcess instance.
C - Both of the above.



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- D - None of the above.
- 10 Child processes always have three streams `child.stdin`, `child.stdout`, and `child.stderr` which may be shared with the `stdio` streams of the parent process.
- A - true
 - B - false
- 11 Which of the following is true about RESTful web services?
- A. Webservices based on REST Architecture are known as RESTful web services
 - B. Webservices uses HTTP methods to implement the concept of REST architecture
 - C. Both of the above
 - D. None of the above
- 12 The Node.js modules can be exposed using
- A. `module.expose`
 - B. `module`
 - C. `module.exports`
 - D. All of the above
- 13 In Node.js how node based web servers differ from traditional web servers?
- A. Node based server uses a single threaded model and can serve much larger number of requests compared to any traditional server like Apache HTTP Server.
 - B. Node based server process request much faster than traditional server.
 - C. There is no much difference between the two.
 - D. All of the above
- 14 Which statement executes the code of `sample.js` file?
- A. `nodejs sample.js`
 - B. `node sample.js`
 - C. `sample.js`
 - D. None of the above
- 15 What are the key features of Node.js?
- A. Real time Data intensive
 - B. Highly scalable servers for Web Applications
 - C. Builds fast and scalable network Applications
 - D. All of the above
- 16 How can we check the current version of NPM?
- A. `npm --version`
 - B. `npm --ver`
 - C. `npm help`
 - D. None of the above
- 17 What is the advantage of using node.js?
- A. It provides an easy way to build scalable network programs
 - B. Generally fast
 - C. Great concurrency
 - D. All of these
- 18 Why a Node.JS code is pretty fast although being written in JavaScript?
- A. Node.JS internally converts JavaScript code to Java based code and then execute the same
 - B. Node.JS internally converts JavaScript code to C based code and then execute the same
 - C. Being built on Google Chrome's V8 JavaScript Engine
- 19 What is REPL in Node.js?
- A. Eval
 - B. Print
 - C. Loop
 - D. All of these
- 20 Which module is used to serve static resources in Node.js?
- A. `node-static`



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- B. http
C. node-resource
D. static
- 21 What should you do in your code to improve your application's performance?
A. Use gzip compression
B. Don't use synchronous functions
C. Do logging correctly
D. Handle exceptions properly
- 22 Is console a global object?
A. null
B. false
C. true
D. None
- 23 To install Node.js express module
A. \$ npm install express
B. \$ node install express
C. \$ install express
D. None of above
- 24 Which of the followings are valid languages for Node.js?
A. JavaScript
B. Java
C. C++
D. C#
- 25 Which of the following tool automates various tasks of Node.js application?
A. Express.js
B. GruntJS
C. NPM
D. None of the above



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ORIENTAL COLLEGE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course: FULL Stack Development

Course Code: IT 40001

ATTENDANCE SHEET

Session Jan June 2017

SEM: 7 SEM			Session Jan June 2017				
SNo	Enrollment No	Student Name	23-Jan-17	24-Jan-17	25-Jan-17	26-Jan-17	27-Jan-17
1	0126IT131001	AA YUSHI AWASTHI	Asuh	Asuh	Asuh	Asuh	Asuh
2	0126IT131002	ABDUL AZAN QURESHI	Abdul	Abdul	Abdul	Abdul	Abdul
3	0126IT131004	ABHISHEK KUMAR TIWARI	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	0126IT131005	ABHISHEK PUROHIT	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
5	0126IT131007	ADARSH SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
6	0126IT131008	ADITI RAGHUWANSHI	Aditi	Aditi	Aditi	Aditi	Aditi
7	0126IT131009	ADITYA PRAKASH	Aditya	Aditya	Aditya	Aditya	Aditya
8	0126IT131010	AKSHANSH VERMA	Akshansh	Akshansh	Akshansh	Akshansh	Akshansh
9	0126IT131012	AMAN KUMAR YADAV	Aman	Aman	Aman	Aman	Aman
10	0126IT131013	AMAN KUSHWAH	Aman	Aman	Aman	Aman	Aman
11	0126IT131014	AMAN SAHU	Aman	Aman	Aman	Aman	Aman
12	0126IT131015	AMBIKA SINGH KELWA	(A)	(A)	(A)	(A)	(A)
13	0126IT131016	AMRITA KUMARI	Amrita	Amrita	Amrita	Amrita	Amrita
14	0126IT131018	ANJALI KUMARI	Anjali	Anjali	Anjali	Anjali	Anjali
15	0126IT131019	ANJANI PRAJAPATI	Anjan	Anjan	Anjan	Anjan	Anjan
16	0126IT131020	ANKIT KUMAR DUBEY	Ankit	Ankit	Ankit	Ankit	Ankit
17	0126IT131021	ANMOL MATHUR	Anmol	Anmol	Anmol	Anmol	Anmol
18	0126IT131022	ANSHU THAKUR	Anshu	Anshu	Anshu	Anshu	Anshu
19	0126IT131023	ANSHUL KUMAR	Anshul	Anshul	Anshul	Anshul	Anshul
20	0126IT131024	ANUKRITI SHAHJI	Anukriti	Anukriti	Anukriti	Anukriti	Anukriti
21	0126IT131026	APOORVA SUNKE	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
22	0126IT131027	ARPITA BUJONE	Arpita	Arpita	Arpita	Arpita	Arpita
23	0126IT131028	ASHWINI DUBEY	Ashwin	Ashwin	Ashwin	Ashwin	Ashwin
24	0126IT131029	AYUSHI JOSHI	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
25	0126IT131030	AYUSHI PACHORI	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
26	0126IT131031	BARKHA GANESHE	Barkha	Barkha	Barkha	Barkha	Barkha
27	0126IT131033	CHARU DUBEY	Charu	Charu	Charu	Charu	Charu
28	0126IT131034	CHIRAG KATARE	Chirag	Chirag	Chirag	Chirag	Chirag
29	0126IT131038	DEEPAK KUMAR SINGH	Deepak	Deepak	Deepak	Deepak	Deepak
30	0126IT131039	DEEPAK KUMAR TIWARI	Deepak	Deepak	Deepak	Deepak	Deepak
31	0126IT131040	DEEPTI PAWAR	Deepti	Deepti	Deepti	Deepti	Deepti
32	0126IT131041	DHRUV KUMAR	Dhruv	Dhruv	Dhruv	Dhruv	Dhruv
33	0126IT131042	DISHA JAIN	Disha	Disha	Disha	Disha	Disha
34	0126IT131043	DIVYAYANI SHRIVASTAVA	Divyaya	Divyaya	Divyaya	Divyaya	Divyaya
35	0126IT131045	HARSHITA TIWARI	Harshit	Harshit	Harshit	Harshit	Harshit
36	0126IT131047	ISHAN JAIN	Ishan	Ishan	Ishan	Ishan	Ishan
37	0126IT131048	KAJAL MUNDRA	Kajal	Kajal	Kajal	Kajal	Kajal
38	0126IT131049	KANCHI JAIN	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi
39	0126IT131050	KSHAMA MISHRA	Kshama	Kshama	Kshama	Kshama	Kshama
40	0126IT131051	KUHURANI KASHIV	Kuhura	Kuhura	Kuhura	Kuhura	Kuhura
41	0126IT131052	LUCKY JAIN	Lucky	Lucky	Lucky	Lucky	Lucky
42	0126IT131053	MANIKA SAXENA	Manika	Manika	Manika	Manika	Manika
43	0126IT131055	MOHD AADIL	Mohd	Mohd	Mohd	Mohd	Mohd
44	0126IT131056	NAMITA SHUKLA	Namita	Namita	Namita	Namita	Namita
45	0126IT131057	NEETU SHARMA	Neetu	Neetu	Neetu	Neetu	Neetu
46	0126IT131058	NEHA ROHIRA	Neha	Neha	Neha	Neha	Neha
47	0126IT131059	NIKHIL JAIN	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
48	0126IT131060	PALAK DUBEY	Palak	Palak	Palak	Palak	Palak
49	0126IT131061	PANKAJ PUSHPATODE	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
50	0126IT131063	PAWAN PANDEY	Pawan	Pawan	Pawan	Pawan	Pawan
51	0126IT131064	PIYUSH MALVIYA	Piyush	Piyush	Piyush	Piyush	Piyush
52	0126IT131065	PRAGATI KHARD	Pragati	Pragati	Pragati	Pragati	Pragati
53	0126IT131066	PRAGYA RAILE	Pragya	Pragya	Pragya	Pragya	Pragya
54	0126IT131067	PRANAV AWASTHI	Pranav	Pranav	Pranav	Pranav	Pranav
55	0126IT131068	PRANSHU SAXENA	Pranshu	Pranshu	Pranshu	Pranshu	Pranshu
56	0126IT131069	PREKSHA SAHU	Preksha	Preksha	Preksha	Preksha	Preksha
57	0126IT131071	PRIYANSH SHRIVASTAVA	Priyansh	Priyansh	Priyansh	Priyansh	Priyansh
58	0126IT131072	PUNISHA RAJPUT	Punisha	Punisha	Punisha	Punisha	Punisha
59	0126IT131073	RAHUL KUMAR JAIN	Rahul	Rahul	Rahul	Rahul	Rahul
60	0126IT131075	REETU TIWARI	Reetu	Reetu	Reetu	Reetu	Reetu

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61	01261131076	BAIJAR HARCHANDANI	Bajar	Sagar	Prayan	Prayan	Prayan
62	01261131077	BAHJEV PATEL	Bahjev	Bahjev	Bahjev	Bahjev	Bahjev
63	01261131078	SATYAJIT KUMAR	Satya	Satya	Satya	Satya	Satya
64	01261131079	SATYAJIT SARAF	Satya	Satya	Satya	Satya	Satya
65	01261131081	SHAH ENDRA SINOH	Shah	Shah	Shah	Shah	Shah
66	01261131082	SIRASU JAIN	Sirasu	Sirasu	Sirasu	Sirasu	Sirasu
67	01261131083	SUREYANSHI SHARMA	Sureya	Sureya	Sureya	Sureya	Sureya
68	01261131084	SURITY SHAMBLAVI	Surity	Surity	Surity	Surity	Surity
69	01261131085	SURUTTI TIWARI	Suruti	Suruti	Suruti	Suruti	Suruti
70	01261131086	SIBHIAN MATHUR	Sibhan	Sibhan	Sibhan	Sibhan	Sibhan
71	01261131088	SIMRAN DROLJA	Simran	Simran	Simran	Simran	Simran
72	01261131089	SMITA RAI	Smita	Smita	Smita	Smita	Smita
73	01261131090	STUTIKATARY	Stuti	Stuti	Stuti	Stuti	Stuti
74	01261131092	SURBH AGRWAL	Surbh	Surbh	Surbh	Surbh	Surbh
75	01261131093	SURBH DHIMOLE	Surbh	Surbh	Surbh	Surbh	Surbh
76	01261131094	SURYA PRAKASH PATHAK	Surya	Surya	Surya	Surya	Surya
77	01261131096	VAISHALI VERMA	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
78	01261131097	VASUNDHARA PATHAK	Vasundhara	Vasundhara	Vasundhara	Vasundhara	Vasundhara
79	01261131098	VIDHU DUBEY	Vidhu	Vidhu	Vidhu	Vidhu	Vidhu
80	01261131100	VISHANT KUMAR	Vishant	Vishant	Vishant	Vishant	Vishant
81	01261131101	YASHI KUMAR JAIN	Yashi	Yashi	Yashi	Yashi	Yashi
82	01261131102	ZIENAT SHIDQUI	Zienat	Zienat	Zienat	Zienat	Zienat
83	01261121018	ANJU MARY VARGHESE	Anju	Anju	Anju	Anju	Anju
84	01261121020	ANKITA CHAUDHAN	Ankita	Ankita	Ankita	Ankita	Ankita
85	01261121021	ANMOL KUMAR	Anmol	Anmol	Anmol	Anmol	Anmol
86	01261121022	APOORVA AME	Apoorva	Apoorva	Apoorva	Apoorva	Apoorva
87	01261121024	ARUNESH KUMAR	Arunesh	Arunesh	Arunesh	Arunesh	Arunesh
88	01261121025	ARVA HASAN	Arva	Arva	Arva	Arva	Arva
89	01261121026	ASHISH CHOURASIYA	Ashish	Ashish	Ashish	Ashish	Ashish
90	01261121028	AVINASH KUMAR	Avinash	Avinash	Avinash	Avinash	Avinash
91	01261121030	AYUSHI CHANDRA	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
92	01261121031	AYUSHI SHIVASTAVA	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
93	01261121032	AYUSHI SHUKLA	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
94	01261121033	AYUSHI JULANIYA	Ayushi	Ayushi	Ayushi	Ayushi	Ayushi
95	01261121034	BIHARTI SHIVARE	Biharti	Biharti	Biharti	Biharti	Biharti
96	01261121035	BIHAVINI SAHAY	BiHAVINI	BiHAVINI	BiHAVINI	BiHAVINI	BiHAVINI
97	01261121036	CHANDRADEEP ADARSHI	Chandra	Chandra	Chandra	Chandra	Chandra
98	01261121037	CHETKAR KUMAR	Chetkar	Chetkar	Chetkar	Chetkar	Chetkar

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**ORIENTAL COLLEGE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY**

Value Added Course: FULL Stack Development

Course Code: IT 40001

ASSESSMENT SHEET

SEM: 7 SEM

Session Jan June 2017

SNo	Enrollment No	Student Name	Class Room Assessment	Objective Type	Total	Eligible or Not eligible
			50	50	100	
1	0126IT131001	AA YUSHI AWASTHI	48	45	93	ELIGIBLE
2	0126IT131002	ABDUL AZAN QURESHI	20	21	41	NOT ELIGIBLE
3	0126IT131004	ABHISHEK KUMAR TIWARI	28	43	71	ELIGIBLE
4	0126IT131005	ABHISHEK PUROHIT	30	33	63	ELIGIBLE
5	0126IT131007	ADARSH SHARMA	39	30	69	ELIGIBLE
6	0126IT131008	ADITI RAGHUWANSHI	48	35	83	ELIGIBLE
7	0126IT131009	ADITYA PRAKASH	20	21	41	NOT ELIGIBLE
8	0126IT131010	AKSHANSH VERMA	32	31	63	ELIGIBLE
9	0126IT131012	AMAN KUMAR YADAV	27	48	75	ELIGIBLE
10	0126IT131013	AMAN KUSHWAH	49	46	95	ELIGIBLE
11	0126IT131014	AMAN SAHU	39	36	75	ELIGIBLE
12	0126IT131015	AMBIKA SINGH KELWA	A	A	0	NOT ELIGIBLE
13	0126IT131016	AMRITA KUMARI	48	48	96	ELIGIBLE
14	0126IT131018	ANJALI KUMARI	23	24	47	NOT ELIGIBLE
15	0126IT131019	ANJANI PRAJAPATI	40	47	87	ELIGIBLE
16	0126IT131020	ANKIT KUMAR DUBEY	28	48	76	ELIGIBLE
17	0126IT131021	ANMOL MATHUR	32	26	58	ELIGIBLE
18	0126IT131022	ANSHU THAKUR	33	26	59	ELIGIBLE
19	0126IT131023	ANSHUL KUMAR	26	39	65	ELIGIBLE
20	0126IT131024	ANUKRITI SHAHJI	46	34	80	ELIGIBLE
21	0126IT131026	APOORVA SUNKE	46	35	81	ELIGIBLE
22	0126IT131027	ARPITA BUJONE	25	24	49	NOT ELIGIBLE
23	0126IT131028	ASHWINI DUBEY	42	47	89	ELIGIBLE
24	0126IT131029	AYUSHI JOSHI	48	30	78	ELIGIBLE
25	0126IT131030	AYUSHI PACHORI	42	40	82	ELIGIBLE
26	0126IT131031	BARKHA GANESHE	31	27	58	ELIGIBLE
27	0126IT131033	CHARU DUBEY	41	37	78	ELIGIBLE
28	0126IT131034	CHIRAG KATARE	48	31	79	ELIGIBLE
29	0126IT131038	DEEPAK KUMAR SINGH	47	26	73	ELIGIBLE
30	0126IT131039	DEEPANKAN TIWARI	45	26	71	ELIGIBLE
31	0126IT131040	DEEPTI PAWAR	35	29	64	ELIGIBLE
32	0126IT131041	DHRUV KUMAR	46	49	95	ELIGIBLE
33	0126IT131042	DISHA JAIN	40	46	86	ELIGIBLE
34	0126IT131043	DIVYAYANI SHRIVASTAVA	27	36	63	ELIGIBLE
35	0126IT131045	HARSHITA TIWARI	24	24	48	NOT ELIGIBLE
36	0126IT131047	ISHAN JAIN	34	44	78	ELIGIBLE
37	0126IT131048	KAJAL MUNDRA	31	41	72	ELIGIBLE
38	0126IT131049	KANCHI JAIN	40	39	79	ELIGIBLE
39	0126IT131050	KSHAMA MISHRA	39	36	75	ELIGIBLE
40	0126IT131051	KUHURANI KASHIV	30	38	68	ELIGIBLE
41	0126IT131052	LUCKY JAIN	37	48	85	ELIGIBLE
42	0126IT131053	MANIKA SAXENA	35	47	82	ELIGIBLE
43	0126IT131055	MOHD AADIL	27	41	68	ELIGIBLE
44	0126IT131056	NAMITA SHUKLA	23	23	46	NOT ELIGIBLE
45	0126IT131057	NEETU SHARMA	27	32	59	ELIGIBLE
46	0126IT131058	NEHA ROHIRA	30	47	77	ELIGIBLE
47	0126IT131059	NIKHIL JAIN	33	31	64	ELIGIBLE
48	0126IT131060	PALAK DUBEY	49	39	88	ELIGIBLE
49	0126IT131061	PANKAJ PUSHPATODE	37	34	71	ELIGIBLE
50	0126IT131063	PAWAN PANDEY	29	31	60	ELIGIBLE
51	0126IT131064	PIYUSH MALVIYA	47	47	94	ELIGIBLE
52	0126IT131065	PRAGATI KHARD	36	48	82	ELIGIBLE
53	0126IT131066	PRAGYA RAILE	33	32	77	ELIGIBLE
54	0126IT131067	PRANAV AWASTHI	48	47	95	ELIGIBLE
55	0126IT131068	PRANSHU SAXENA	20	20	40	NOT ELIGIBLE
56	0126IT131069	PREKSHA SAHU	20	40	60	ELIGIBLE
57	0126IT131071	PRIYANSH SHRIVASTAV	43	45	88	ELIGIBLE
58	0126IT131072	PUNISHA RAJPUT	45	31	76	ELIGIBLE
59	0126IT131073	RAHUL KUMAR JAIN	A	A	0	NOT ELIGIBLE
60	0126IT131075	REETU TIWARI	37	36	73	ELIGIBLE
61	0126IT131076	SAGAR HARCHANDANI	26	20	46	NOT ELIGIBLE
62	0126IT131077	SANJEEV PATEL	32	32	64	ELIGIBLE
63	0126IT131078	SATYAJEET KUMAR				

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64	0126IT131079	SATYAJEET SARAF	27	41	68	ELIGIBLE
65	0126IT131081	SHAIENDRA SINGH	35	44	79	ELIGIBLE
66	0126IT131082	SHRISTI JAIN	40	40	80	ELIGIBLE
67	0126IT131083	SHREYANSH SHARMA	48	48	96	ELIGIBLE
68	0126IT131084	SHRITY SHAMBHAVI	28	32	60	ELIGIBLE
69	0126IT131085	SHRUTI TIWARI	31	30	61	ELIGIBLE
70	0126IT131086	SHUBHAM MATHUR	46	45	91	ELIGIBLE
71	0126IT131088	SIMRAN DROLIA	31	33	64	ELIGIBLE
72	0126IT131089	SMITA RAI	30	35	65	ELIGIBLE
73	0126IT131090	STUTI KATAREY	43	48	91	ELIGIBLE
74	0126IT131092	SURBHI AGRAWAL	37	33	70	ELIGIBLE
75	0126IT131093	SURBHI DHIMOLE	46	40	86	ELIGIBLE
76	0126IT131094	SURYA PRAKASH PATHAK	41	29	70	ELIGIBLE
77	0126IT131096	VAISHALI VERMA	37	31	68	ELIGIBLE
78	0126IT131097	VASUNDHARA PATHAK	23	24	47	NOT ELIGIBLE
79	0126IT131098	VIDHU DUBEY	23	23	46	NOT ELIGIBLE
80	0126IT131100	VISHANT KUMAR	36	41	77	ELIGIBLE
81	0126IT131101	YASH KUMAR JAIN	21	22	43	NOT ELIGIBLE
82	0126IT131102	ZEENAT SIDDIQUI	33	46	79	ELIGIBLE
83	0126IT121018	ANJU MARY VARGHESE	20	20	40	NOT ELIGIBLE
84	0126IT121020	ANKITA CHAUHAN	41	43	84	ELIGIBLE
85	0126IT121021	ANMOL KUMARI	36	41	77	ELIGIBLE
86	0126IT121022	APOORVA AME	29	20	49	NOT ELIGIBLE
87	0126IT121024	ARUNESH KUMAR	33	46	79	ELIGIBLE
88	0126IT121025	ARVA HASAN	28	48	76	ELIGIBLE
89	0126IT121026	ASHISH CHOURASIYA	42	46	88	ELIGIBLE
90	0126IT121028	AVINASH KUMAR	38	37	75	ELIGIBLE
91	0126IT121030	AYUSH CHANDRA	32	29	61	ELIGIBLE
92	0126IT121031	AYUSH SHRIVASTAVA	46	35	81	ELIGIBLE
93	0126IT121032	AYUSH SHUKLA	30	34	64	ELIGIBLE
94	0126IT121033	AYUSHI JULANIYA	39	33	72	ELIGIBLE
95	0126IT121034	BHARTI SHIVARE	43	48	91	ELIGIBLE
96	0126IT121035	BHAVINI SAHAY	37	33	70	ELIGIBLE
97	0126IT121036	CHANDRADEEP ADARSH	46	40	86	ELIGIBLE
98	0126IT121037	CHETKAR KUMAR	41	29	70	ELIGIBLE

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 Thakral Nagar, Raisen Road
 Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

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



DEPARTMENT OF INFORMATION TECHNOLOGY

SESSION: 2016-17

CERTIFICATE

*This is to certify that Mr./Ms Aman Sahu of IT VIII Semester, OCT, Bhopal, has
Successfully Completed the "Value Added Course" on "Full Stack Development"
during 23-27 Jan 2017, organized by Department of Information Technology,
Oriental College of Technology, Bhopal*



Co-Ordinator, IT, OCT

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

Head of Department, IT OCT

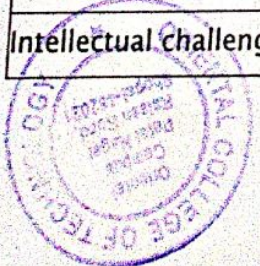
Director, OCT

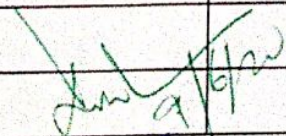
Course Evaluation/ Feedback Form

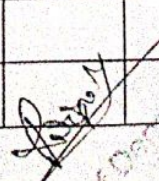
Value Added Course / Special course	FULL STACK DEVELOPMENT
Duration	23 To 27 January 2017
Venue	Oriental College of Technology, Bhopal
Presenter(s):	Miss Ankita Singh , Mr Sujeet Kumar

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
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
Oriental College of Technology
Bhopal

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Information Technology



Report on Value Added Course on FULL STACK DEVELOPMENT

Date and Time: 23 January , to 27 January , 2017. **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 Miss Ankita Singh and Mr Sujeet Kumar. **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 23rd of January , 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.

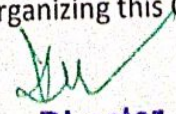
The course was conducted strictly according to the schedule and at last the convener of the course gave away the vote of thank.. At the end the convener thanked all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

Prof. Roopali Soni

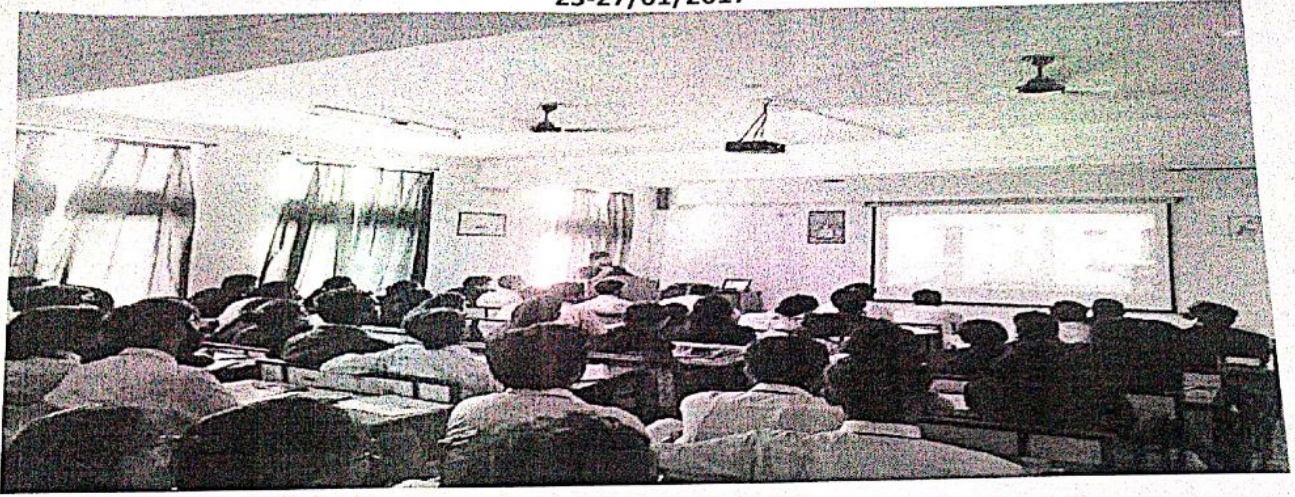
Course Convenor

IT, OCT




Director
Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

23-27/01/2017



Director
Oriental College of Technology
Thakral Nagar, Raisen Road
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Website: <http://www.oriental.ac.in/oct-bhopal/>

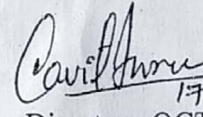
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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

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

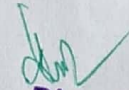
Director

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Copy to:

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




Director
Oriental College of Technology
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Value Added Course
on
“Advanced Arduino”
 [20-24 Mar, 2017]
 For IV -Year Students

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.

REGISTRATION

No Registration fees.



COMMITTEE MEMBERS

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. N.K. Agrawal, Director, OCT, Bhopal

CONVENOR

Dr. Rahul Dubey, 7987186230

COURSE COORDINATOR

Mr. Arvind Sahu, 9131599475

ORGANISING COMMITTEE MEMBER

Mr. Kapil Gupta, 7869317894

Mr. Amish Kumar Jha, 9098715184

CONTACT

Dr. Rahul Dubey, 7987186230 ,octhodec@oriental.ac.in

OBJECTIVES & CONTENTS

Arduino boards are able to read analog or digital input signals from different sensors and turn it into an output such as activating a motor, turning LED on/off, connect to the cloud and many other actions.

- ✓ Learn the Arduino programming language and IDE
- ✓ Program basic Arduino examples
- ✓ Prototype circuits and connect them to the Arduino
- ✓ Program the Arduino microcontroller to make the circuits work

ELIGIBILITY

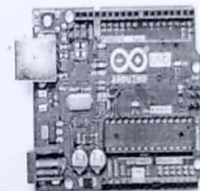
The Fourth year Students of Electronics & Communication Engineering branch are eligible to attend the Advanced Arduino designing course.

Handwritten: Oriental College of Technology, Thakral Nagar, Raisen Road, Bhopal

Oriental College of Technology, Bhopal



Organised By
 Department of Electronics & Communication Engineering



Registration Form

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

Place: _____ Signature
 Date: _____

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

Signature with Seal
 Head of the Department

Oriental College of Technology, Bhopal

Electronics & Communication Engineering
Value Added Course: Advanced Arduino
Course Code: EC 40001

An Advanced Approach to Arduino & AVR Programming

Module 1: Materials Needed :

- a) An Arduino(Uno Rev3)
- b) ATMEGA328P or ATMEGA8A.
- c) FTDI 5V breakout(recommend to use original FTDI chips)
- d) USBasp programmer.(If you have arduino, then you don't need this).
- e) 16MHz crystal.
- f) Capacitors : 22pf x 2 ,100nF x 1
- g) Resistors: 10K1/4w x 1, 150R x 1
- h) Breadboard.
- i) jumper wires

Module 2: Programming the Arduino UNO Rev3 From WinAVR Environment

This step is needed to make an Arduino on a breadboard using nominal components and still can get benefit of the Arduino libraries.

Module 3: Burning Arduino Bootloader Into Atmega328P

This step is for those who want to make an Arduino on a breadboard using nominal components and still can get benefit of the Arduino libraries.

Module 4: Burning Bootloader to Atmega8

If you want to use Atmega8A as Arduino, then this step is for you. This step is a little bit difficult as compared to burning bootloader to Atmega328.

Module 5: Burning the Bootloader Via USBasp:

If you don't have an arduino and instead have a USBasp AVR programmer, then the bootloader can be uploaded to either Atmega328P/Atmega8A.



[Signature]
Director
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Head of Department
Electronics & Communication Engineering
Oriental College of Technology, Bhopal

COURSE SCHEDULE

30 Hrs./ 5 Days Value Added Course on ADVANCED ARDUINO

20-24 Mar, 2017

20 Mar 2017

Time Slot	Session	Teacher / Instructor
9:00-09:30 AM	Inaugural Programme	Mr. Arvind Sahu
09:30 AM-12:30AM	Introduction to Advanced Approach to Arduino & AVR Programming	Mr. Arvind Sahu
12:30-01:30PM	LUNCH	
01:30-3:00PM	ATMEGA328P or ATMEGA8A	Mr. Amish Jha
3:00 -3:30PM	Break	
03:30-5:00PM	Introduction to 16MHz crystal	Mr. Amish Jha

21 Mar 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Programming the Arduino UNO Rev3 From WinAVR Environment	Mr. Amish Jha
11:00-11:15AM	Break	
11:15-01:15PM	Burning Arduino Bootloader Into Atmega328P	Mr. Amish Jha
01:15-2:00PM	LUNCH	
02:00-4:00PM	Practice Session	Mr. Arvind Sahu

22 Mar 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Burning Bootloader to Atmega8	Mr. Kapil Gupta
11:00-11:15AM	Break	
11:15-01:15PM	Practice Session	Mr. Amish Jha
01:15-2:00PM	LUNCH	
02:00-4:00PM	Practice Session	Mr. Arvind Sahu

23 Mar 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Burning the Bootloader Via USBasp	Mr. Arvind Sahu
11:00-11:15AM	Break	
11:15-01:15PM	Class Room Assessment	Mr. Amish Jha
01:15-2:00PM	LUNCH	
02:00-4:00PM	Practice Session	Mr. Kapil Gupta

24 Mar 2017

Time	Session	Teacher / Instructor
9:00-11:00AM	Designing of Arduino based system with AVR programming	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. Arvind Sahu
2:30-3:30PM	Filling of Students Feedback form	Mr. Arvind Sahu
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Arvind Sahu

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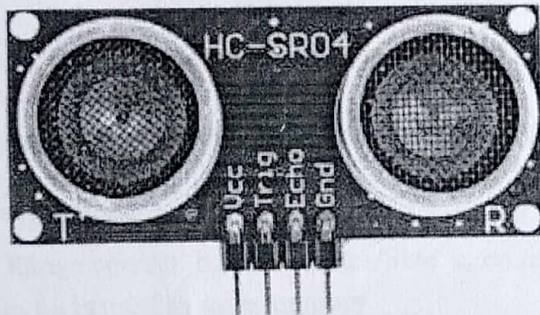
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Value Added course on Advanced Arduino Objective Test (MCQ), Date: 20-24 Mar, 2017

Branch :	Electronics & Communication Engineering		
Semester:	8 th		Max. Marks-50 Minimum Marks:25
Subject:	Advanced Arduino	Subject Code: EC 40001	Time :1:30 Hrs
Note	1. The question from 1 to 30 is of 1 marks each. 2. The question from 31 to 40 is of 2 marks each.		

1. Identify this component.



- a. Speaker b. Temperature sensor c. Wind sensor d. Ultrasonic sensor

2. When writing a sketch, how do you decide which features belong in the `setup` function and which belong in the `loop` function?

- a. Features that need to be initialized go in `setup` correct
b. Features that need to be initialized go in `loop`
c. Features that need to run continuously go in `setup`
d. Features that need to run continuously go in `loop`

3. If we use the Arduino Uno or the Ethernet shield to write data to an SD card, this data can be read by any computer.

- a. True correct b. False

4. The Arduino Uno can keep track of the real-time date and time right out of the box.

- a. True b. False correct

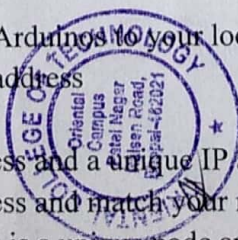
5. The HTTP response code that indicates successful transmission of the message request is _____.

- a. 300 b. 302 c. 200 correct d. 401

6. How can you hook up multiple Arduinos to your local network?

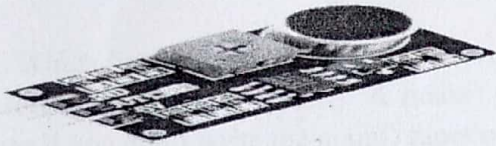
- a. Give them a unique MAC address
b. Give them a unique IP address
c. Give them a unique MAC address and a unique IP address
d. Give them a unique MAC address and match your router's IP address

Each device on your local network is a unique node and needs its own unique identifiers.



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7. Identify the sensor.



- a. Gas detector b. UV detector c. Sound detector correct d. Proximity sensor

8. An Arduino sketch does not have the traditional main() function that's generally present in C programs.

- a. True b. False correct

Whenever you build a sketch the process creates an intermediate file and executes that first. This intermediate file has functions that call the stuff that you have written in your loop. This is the intermediate code:

```
int main(void)
{
  init(); //initializes the hardware
  setup(); //calls the setup function
  for (;;)
  loop();// calls the infinite loop function
  return 0; }
```

Essentially, under the covers, the main() function does exist.

9. What is the differentiating aspect between the two numeric types: char and byte?

- a. Range correct b. No. of bytes/Size c. char is used in highly specific applications
d. byte is used to save memory

char can represent signed value too. byte can only represent unsigned value. Thus the range of char is from -128 to 127. The range of byte is from 0 to 255.

10. The numeric type double is the same as float

- a. True correct b. False

In Arduino, this is true. Might not be true for other platforms.

11. The outputs of the following two pieces of codes will be:

```
int integer=12;
integer +=1;
string str="12";
str +=1;
```

- a. 13, 13 b. 13, 12 c. 13, 112 d. 13, 121 correct

The + operator is used with both, number types as well as strings. However, it performs the functions of incrementing in numbers, whereas in strings it performs the function of concatenation.

12. Any code that's written inside the if block shown below will:

```
if(1)
{
}
}
```

- Show an error
- Show a warning but not an error
- execute infinitely correct
- print '1'

The if statement checks for a condition within the pair of parenthesis. For example, if(a==1) checks if the value of a is equal to 1. If it is, the operation returns a 1 (logic HIGH), this causes the if



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statements to execute. If the value of a is *not* equal to 1, it returns a 1 (logic LOW) and the if statements do not execute. To summarize, if(1) executes until the 1 converts to 0.

13. Which function executes first when a sketch is built?

- a. loop() b.setup() c.init() d.main() correct

Even if you don't write the main() function in Arduino programming, the Arduino IDE executes it first in the background.

14. The following code will evaluate to _____.

```
strcmp("left", "leftright", 4) == 0)
```

- a.True correct b.False

The '4' indicates that only the first four characters of the two strings will be compared.

15. Select the function that you can use to detect a button press on the Arduino

- a. buttonRead() b.buttonPress() c.analogRead() d.digitalRead() correct

digitalRead() can be used to read the status of a switch.

16. An Arduino Uno is most suited for _____.

- a. Controlling peripherals correct b.Powering peripherals

c.Controlling and powering peripherals

Ideally, the Arduino Uno is perfect for controlling only. It is a poor power source for peripherals. It would rather have you power the peripherals via some other source and just control them. However, you can power some low-powered peripherals using the Arduino Uno. But that's not its primary purpose.

17. The core processor of the Arduino Uno (Atmega328p) has a 16MHz crystal oscillator for the processor clock.

- a. True b.False correct

The Atmega328p has a 16MHz ceramic resonator and not a crystal oscillator. The Atmega16u2 chip, the one responsible for the serial-USB conversion, is the one that has a 16MHz crystal oscillator.

18. The 3.3V regulator on the Arduino Uno has an output current of _____.

- a. 50 mA b.100 mA c.150 mA correct d.200 mA

This is an upgrade over the older versions of the Arduino Uno which had only 50 mA current output via the 3.3V pins.

19. An LED driver is an example of _____.

- a. Input b. Output correct

20. delay(100000) results in a delay of _____.

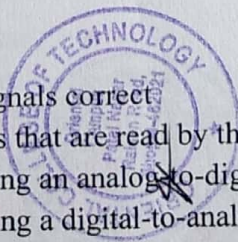
- a. 100000 seconds b.100 seconds correct c.1 second d.10 seconds

21. Select the correct statement(s)

- a. PWM pins mimic analog signals correct
b. Sensors generate analog readings that are read by the analog pins correct
c. Analog signals are converted using an analog-to-digital converter by analog pins correct
d. Analog signals are converted using a digital-to-analog converter by analog pins

22. An Arduino sketch undergoes pre-processing to turn into a _____ program

- a.C/C++ correct b.Java c.Assembly d.Arduino



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23. It's impossible to store a higher number of characters in an array than the declared size of the array.

a. True b. False correct

You can store more characters in an array. But you will overflow it. This will cause the characters to be written into memory locations that might be in use by other programs. This could potentially derail the functioning of those programs.

24. Select the true statements

- You can store multiple values in an array and use a loop to iterate through each of the values correct
 - A variable that was previously used to store an integer can be repurposed to store a float value instead
 - You can convert a variable from one data type to another correct
 - You can store a single value in two different data types using a single variable correct
- Every element of an array is accessible because it gets assigned an individual index number that depends on its position. You can use a loop to access each of these values.
 - Typecasting is a concept in C programming that can be used to convert between variable data types.
 - Unions are variables that allow you to store single values in a choice of your data type.

25. Select the correct ways of defining a function

- def myfunction()
 - int myfunction (float) correct
 - void myfunction ()
 - fun myfunction ()
 - void myfunction (int,int,int)
- returntype functionname (argument1,argument2,....)

26. What does IDE stand for?

- In Deep Environment
- Integrated Development Environment correct
- Internal Deep Escape
- IDE

27. To use the I2C communication protocol, you can use the _____ library in your sketch.

- Serial
- SPI
- Wire correct
- ComI2C

28. Select the sensor that measures pressure relative to atmospheric pressure.

- Vacuum pressure sensor
- Absolute pressure sensor
- Gauge pressure sensor correct
- Differential pressure sensor

29. Select the type of temperature sensor that you are most likely to find in an Integrated Circuit.

- Thermistor
- Semiconductor based sensor correct
- Resistance Thermometer
- Thermocouple

Semiconductor temperature sensors are linear and have low accuracy.

30. A hygrometer is a _____ sensor.

- Humidity correct
- Water content
- Wetness
- Air pressure

A hygrometer is an instrument used to measure the amount of humidity and water vapor in the atmosphere, in soil, or in confined spaces.

31. What does GPIO stand for?

- General Purpose Inner Outer Propeller
- General Purpose Input Output Pins correct
- General Purpose Interested Old People
- General Purpose Input Output Processor



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a.DEW/Fost point (D/F PT) b.Parts Per Million (PPM) c.RH

33. _____ sensors measure moisture using humidity.

a.Sesimoscope b.Capacitive correct c.Resistive d.Both Resistive and Capacitive

Capacitive sensors are industrially used to measure moisture levels using ambient humidity. They have a good RH range.

34. Select the types of proximity sensors that currently exist.

a.RADAR proximity sensor b.LiDAR proximity sensor correct

c.Thermal proximity sensor d.Laser proximity sensor

35. This proximity sensor can sense metals as well as the levels of liquids.

a.Inductive proximity sensor b.Capacitive proximity sensor correct

c.Ultraçonic proximity sensor d.Magnetic proximity sensor

Capacitive proximity sensors can detect metals as well as non-metals like liquids, pastes, resins and powders.

36. Select the communication protocol(s) that allows multiple Masters instead of just one.

a.SPI b.I2C correct c.CAN correct d.I2C and CAN are multi-Masters protocols.

37. Select the communication protocol(s) that allow the Master and Slaves to communicate with each other simultaneously.

a.CAN correct b.SPI correct c.I2C

CAN and SPI are fully duplex communication protocols. Whereas I2C is half-duplex, meaning the Master and Slave can communicate with each other, just not simultaneously.

38. If you are optimizing for performance, and have no shortage of pins, which communication protocol/hardware would you choose?

a.UART b.SPI correct c.I2C d.CAN

SPI is faster, has less overhead and has less noise. If you have no limitations and are purely optimizing for performance it seems to be the best option.

39. This is the communication protocol used by SD (Secure Digital) cards.

a. I2C b.UART c.SPI correct d.USART

40. A tactile sensor is also known as a _____ sensor.

a.Temperature b.Humidity c.Pressure d.Touch correct

Class Room Assessment

Max Marks:50 Min Marks:25

Q: Describe the approach to arduino & AVR P rogramming



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ORIENTAL COLLEGE OF TECHNOLOGY (OCT), BHOPAL

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Value Added Course: Advanced Arduino

Course Code : EC-40001, Attendance Sheet 20-24/03/2017

S.NO.	ENROLL NO	NAME OF STUDENT	20/03/2017	21/03	22/03	23/03	24/03
1	0126EC131001	Aafreen Khan	Aafreen	Aafreen	Aafreen	Aafreen	Aafreen
2	0126EC131002	Aakanksha Tiwari	Aakanksha Tiwari	Aakanksha Tiwari	Aakanksha Tiwari	Aakanksha Tiwari	Aakanksha Tiwari
3	0126EC131004	Aayushi Chandel	AC	AC	AC	AC	AC
4	0126EC131005	Abhay Kumar	Abhayk	Abhayk	Abhayk	Abhayk	Abhayk
5	0126EC131006	Adiba Khan	Adibakhan	Adibakhan	Adibakhan	Adibakhan	Adibakhan
6	0126EC131007	Adiba Qazi,	Adi	Adi	Adi	Adi	Adi
7	0126EC131008	Aditi Upadhyaya	Aditi	Aditi	Aditi	Aditi	Aditi
8	0126EC131009	Aishwary Namdev	Aish	Aish	Aish	Aish	Aish
9	0126EC131010	Akash Jain,	AJ	AJ	AJ	AJ	AJ
10	0126EC131011	Akash Kampoowale	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
11	0126EC131012	Aman Gangil	Amangangil	Amangangil	Amangangil	Amangangil	Amangangil
12	0126EC131013	Aman Kumar Verma	Akumar	Akumar	Akumar	Akumar	Akumar
13	0126EC131014	Aman Saxena	Amanax	Amanax	Amanax	Amanax	Amanax
14	0126EC131016	ANAMIKA THAKRE	Anamika	Anamika	Anamika	Anamika	Anamika
15	0126EC131017	Anand Patel	Anand	Anand	Anand	Anand	Anand
16	0126EC131019	Ankit Rajput,	Ankit	Ankit	Ankit	Ankit	Ankit
17	0126EC131020	Ankita Singh Baghel	Ankita	Ankita	Ankita	Ankita	Ankita
18	0126EC131021	Anshu Lalwani	Anshu	Anshu	Anshu	Anshu	Anshu
19	0126EC131022	Anshul Raghuvanshi	Anshul	Anshul	Anshul	Anshul	Anshul
20	0126EC131023	Antim Jain,	Antim	Antim	Antim	Antim	Antim
21	0126EC131024	Aradhana Singh	Aradhana	Aradhana	Aradhana	Aradhana	Aradhana
22	0126EC131025	Asra Iqbal	Asra	Asra	Asra	Asra	Asra
23	0126EC131026	Astha Malviya	Astha	Astha	Astha	Astha	Astha
24	0126EC131027	Atul	Atul	Atul	Atul	Atul	Atul
25	0126EC131028	Awanish Kumbhakar	Akumar	Akumar	Akumar	Akumar	Akumar
26	0126EC131029	Ayush Choudhary	Ayush	Ayush	Ayush	Ayush	Ayush
27	0126EC131030	Ayush Singh Chouhan	ASE	ASE	ASE	ASE	ASE



Director
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ORIENTAL COLLEGE OF TECHNOLOGY (OCT), BHOPAL

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Value Added Course: Advanced Arduino

Course Code :EC-40001, Attendance Sheet

S.NO.	ENROLL NO	NAME OF STUDENT	20/3	21/03	22/03	23/03	24/03
28	0126EC131031	Batul Husain	Batul	Batul	Batul	Batul	Batul
29	0126EC131032	Chakresh Verma	Chakresh	Chakresh	Chakresh	Chakresh	Chakresh
30	0126EC131033	Chanchal Gupta	CG	CG	CG	CG	CG
31	0126EC131034	Deeksha Jain,	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
32	0126EC131035	Deepak Kumar Singh	D.K. Singh	D.K. Singh	D.K. Singh	D.K. Singh	D.K. Singh
33	0126EC131036	Deependra Jain	Deependra	Deependra	Deependra	Deependra	Deependra
34	0126EC131037	Garima Bahare	Garima	Garima	Garima	Garima	Garima
35	0126EC131038	Garima Yadav	ABSENT	ABSENT	ABSENT	Garima	Garima
36	0126EC131039	GOURAV DONGRE	Gourav	Gourav	Gourav	Gourav	Gourav
37	0126EC131040	Himanshu Badgaiyan	H	H	H	H	H
38	0126EC131041	Jayant Kishor	Jayant	Jayant	Jayant	Jayant	Jayant
39	0126EC131042	Jyoti Kumari	J. Kumari	J. Kumari	J. Kumari	J. Kumari	J. Kumari
40	0126EC131043	Kanchan Gangil	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan
41	0126EC131044	Kanchan Rajpal	Kanchan	Kanchan	Kanchan	Kanchan	Kanchan
42	0126EC131045	Karn Kartik	Karn	Karn	Karn	Karn	Karn
43	0126EC131046	Keshavi Jha	KJ	KJ	KJ	KJ	KJ
44	0126EC131047	Ketan Gupta	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
45	0126EC131048	Kratika Pandey	K. Pandey	K. Pandey	K. Pandey	K. Pandey	K. Pandey
46	0126EC131049	Lucky Rai	Lucky Rai	Lucky Rai	Lucky Rai	Lucky Rai	Lucky Rai
47	0126EC131052	Maneesha Chansauriya	maneesha	maneesha	maneesha	maneesha	maneesha
48	0126EC131053	Manish Kumar Meena	Manish	Manish	Manish	Manish	Manish
49	0126EC131054	Mayuri Shrivastava	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
50	0126EC131055	Megha Deshmukh	Megha	Megha	Megha	Megha	Megha
51	0126EC131056	Mitul Awadhya, Director	Mitul Awadhya	Mitul Awadhya	Mitul Awadhya	Mitul Awadhya	Mitul Awadhya
52	0126EC131057	Mohammad Saif College of Technology	M Saif	M Saif	M Saif	M Saif	M Saif
53	0126EC131058	Mohd Adil Nakral Nagar, Raipur	M Adil	M Adil	M Adil	M Adil	M Adil
54	0126EC131059	Moshin Khan - Bhopal	Moshin	Moshin	Moshin	Moshin	Moshin

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Value Added Course: Advanced Arduino

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S.NO.	ENROLL NO	NAME OF STUDENT	20/03	21/03	22/03	23/03	24/03
55	0126EC131060	Mridul Dongsare	Mridul	Mridul	Mridul	Mridul	Mridul
56	0126EC131061	Nayan Gupta	Nayan	Nayan	Nayan	Nayan	Nayan
57	0126EC131062	Nidhi Kashyap	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi
58	0126EC131063	Nidhi Suri	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi
59	0126EC131064	Niranjan Kumar	N.K.	N.K.	N.K.	N.K.	N.K.
60	0126EC131065	NISHANT SONI	N.Soni	N.Soni	N.Soni	N.Soni	N.Soni
61	0126EC131066	Nishkarsh Jain	Nishkarsh	Nishkarsh	Nishkarsh	Nishkarsh	Nishkarsh
62	0126EC131067	Payal Bisen	P.B.	P.B.	P.B.	P.B.	P.B.
63	0126EC131068	Phalguni Varyani	Phalguni	Phalguni	Phalguni	Phalguni	Phalguni
64	0126EC131069	Piyush Namdev	Piyush	Piyush	Piyush	Piyush	Piyush
65	0126EC131070	Pooja Sahu	Pooja	Pooja	Pooja	Pooja	Pooja
66	0126EC131071	Prabhat Gupta	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
67	0126EC131072	Pragati Sinha	P.Sinha	P.Sinha	P.Sinha	P.Sinha	P.Sinha
68	0126EC131073	Pratik Jain	Pratik	Pratik	Pratik	Pratik	Pratik
69	0126EC131074	Pratyush Upadhyay	Pratyush	Pratyush	Pratyush	Pratyush	Pratyush
70	0126EC131075	Priya Gupta	Priyagupta	Priyagupta	Priyagupta	Priyagupta	Priyagupta
71	0126EC131076	Priyansh Raghuvanshi	Priyansh	Priyansh	Priyansh	Priyansh	Priyansh
72	0126EC131077	Priyanshi Khandelwal	Priyanshi	Priyanshi	Priyanshi	Priyanshi	Priyanshi
73	0126EC131079	Rajat Chouksey	Rajat	Rajat	Rajat	Rajat	Rajat
74	0126EC131080	Rakesh Jaisinghani	ABSENT	ABSENT	Rakesh	ABSENT	ABSENT
75	0126EC131081	Ravi Agrawal	Ravi Vishnoi	Ravi Vishnoi	Ravi Vishnoi	Ravi Vishnoi	Ravi Vishnoi
76	0126EC131084	Rohan Vishnoi	Rohan	Rohan	Rohan	Rohan	Rohan
77	0126EC131085	Rohit Ochani	Rohit	Rohit	Rohit	Rohit	Rohit
78	0126EC131086	Rohit Rajput	Rohit	Rohit	Rohit	Rohit	Rohit
79	0126EC131087	Samridhi Soni	Samridhi	Samridhi	Samridhi	Samridhi	Samridhi
80	0126EC131088	Sana Shekh	Sana	Sana	Sana	Sana	Sana
81	0126EC131089	Sarvesh Saurav	ABSENT	Sarvesh	ABSENT	ABSENT	ABSENT

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S.NO.	ENROLL NO	NAME OF STUDENT	20/3	21/3	22/3	23/3	24/3
82	0126EC131090	Satyam Chandel	Satyam	Satyam	Satyam	Satyam	Satyam
83	0126EC131091	Saurav Kumar	Saurav	Saurav	Saurav	Saurav	Saurav
84	0126EC131092	Sawan Sharma	Sawan	Sawan	Sawan	Sawan	Sawan
85	0126EC131093	Shail Shivani Khatri	S.S.K	S.S.K	S.S.K	S.S.K	S.S.K
86	0126EC131094	Shailee Tiwari	Shailee	Shailee	Shailee	Shailee	Shailee
87	0126EC131095	Shalini Rathod	Shalini	Shalini	Shalini	Shalini	Shalini
88	0126EC131097	Shivalika Tiwari	Shivalika	Shivalika	Shivalika	Shivalika	Shivalika
89	0126EC131098	Shivam Lakshakar	Shivam	Shivam	Shivam	Shivam	Shivam
90	0126EC131099	Shivam Soni	Shivam	Shivam	Shivam	Shivam	Shivam
91	0126EC131100	Shivani Kaurav	Shivani	Shivani	Shivani	Shivani	Shivani
92	0126EC131101	Shlesha Dubey	Shlesha	Shlesha	Shlesha	Shlesha	Shlesha
93	0126EC131102	Shravan Kumar	Shravan	Shravan	Shravan	Shravan	Shravan
94	0126EC131103	Shrishti Chaubey	Shrishti	Shrishti	Shrishti	Shrishti	Shrishti
95	0126EC131104	Shubham Pandey	Shubham	Shubham	Shubham	Shubham	Shubham
96	0126EC131106	Sneh Rahul	Sneh	Sneh	Sneh	Sneh	Sneh
97	0126EC131107	Sneha Laddha	Sneha	Sneha	Sneha	Sneha	Sneha
98	0126EC131108	Sonal Sharma	Sonal	Sonal	Sonal	Sonal	Sonal
99	0126EC131109	Sonali Guin	Sonali	Sonali	Sonali	Sonali	Sonali
100	0126EC131110	Srishti Sinha	Srishti	Srishti	Srishti	Srishti	Srishti
101	0126EC131111	Suchit Jain	Suchit	Suchit	Suchit	Suchit	Suchit
102	0126EC131112	Sudha Uppaluri	Sudha	Sudha	Sudha	Sudha	Sudha
103	0126EC131113	Suyash Chandra	Suyash	Suyash	Suyash	Suyash	Suyash
104	0126EC131114	Swapnil Wagadre	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
105	0126EC131115	Swarna Pandey	Swarna	Swarna	Swarna	Swarna	Swarna
106	0126EC131116	Swarnim Agrawal	Swarnim	Swarnim	Swarnim	Swarnim	Swarnim
107	0126EC131117	Trisha Singh	Trisha	Trisha	Trisha	Trisha	Trisha
108	0126EC131118	Vijay Raj Singh Rathore	Vijay	Vijay	Vijay	Vijay	Vijay

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S.NO.	ENROLL NO	NAME OF STUDENT	20/3	21/3	22/3	23/3	24/3
109	0126EC131119	Vijay Sanodiya	<i>VS</i>	<i>VS</i>	<i>VS</i>	<i>VS</i>	<i>VS</i>
110	0126EC131120	Vinay Kumar Tiwari	<i>Vinay</i>	<i>Vinay</i>	<i>Vinay</i>	<i>Vinay</i>	<i>Vinay</i>
111	0126EC131121	Vivek Agarwal	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>
112	0126EC131122	Vivek Tiwari	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>	<i>Vivek</i>
113	0126EC131123	Yashi Jain	<i>Yashi</i>	<i>Yashi</i>	<i>Yashi</i>	<i>Yashi</i>	<i>Yashi</i>
114	0126EC131124	Yuvraj Khadka	<i>Yuvraj</i>	<i>Yuvraj</i>	<i>Yuvraj</i>	<i>Yuvraj</i>	<i>Yuvraj</i>

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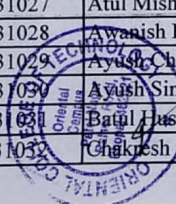
ORIENTAL COLLEGE OF TECHNOLOGY (OCT), BHOPAL

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Value Added Course: Advanced Arduino

Course Code : EC-40001, Assessment sheet, 20-24-Mar-2017

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Obtained Marks/50)	Objective Test Score (Obtained Marks/50)	Total Score	Eligible for Certificate or not
1	0126EC131001	Aafreen Khan	30	40	70	Eligible
2	0126EC131002	Aakanksha Tiwari	40	30	70	Eligible
3	0126EC131004	Aayushi Chandel	35	25	60	Eligible
4	0126EC131005	Abhay Kumar	25	35	60	Eligible
5	0126EC131006	Adiba Khan	30	40	70	Eligible
6	0126EC131007	Adiba Qazi	40	30	70	Eligible
7	0126EC131008	Aditi Upadhyaya	45	25	70	Eligible
8	0126EC131009	Aishwary Namdev	40	30	70	Eligible
9	0126EC131010	Akash Jain	45	25	70	Eligible
10	0126EC131011	Akash Kampoowale	ABS (0)	ABS (0)	0	Not Eligible
11	0126EC131012	Aman Gangil	30	30	60	Eligible
12	0126EC131013	Aman Kumar Verma	45	35	80	Eligible
13	0126EC131014	Aman Saxena	40	30	70	Eligible
14	0126EC131016	ANAMIKA THAKRE	30	40	70	Eligible
15	0126EC131017	Anand Patel	25	35	60	Eligible
16	0126EC131019	Ankit Rajput	30	40	70	Eligible
17	0126EC131020	Ankita Singh Baghel	25	35	60	Eligible
18	0126EC131021	Anshu Lalwani	35	30	65	Eligible
19	0126EC131022	Anshul Raghuvanshi	45	35	80	Eligible
20	0126EC131023	Antim Jain	40	35	75	Eligible
21	0126EC131024	Aradhana Singh	45	40	85	Eligible
22	0126EC131025	Asra Iqbal	30	35	65	Eligible
23	0126EC131026	Astha Malviya	25	25	50	Eligible
24	0126EC131027	Atul Mishra	30	30	60	Eligible
25	0126EC131028	Awanish Kumar Mishra	20	20	40	Not Eligible
26	0126EC131029	Ayush Choudhary	25	25	50	Eligible
27	0126EC131030	Ayush Singh Chouhan	30	30	60	Eligible
28	0126EC131031	Baqul Husain	30	30	60	Eligible
29	0126EC131032	Chakresh Verma	30	35	65	Eligible



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Value Added Course: Advanced Arduino

Course Code :EC-40001, Assessment sheet, 20-24-Mar-2017

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Obtained Marks/50)	Objective Test Score (Obtained Marks/50)	Total Score	Eligible for Certificate or not
30	0126EC131033	Chanchal Gupta	25	40	65	Eligible
31	0126EC131034	Deeksha Jain,	35	35	70	Eligible
32	0126EC131035	Deepak Kumar Singh	40	35	75	Eligible
33	0126EC131036	Deependra Jain	25	40	65	Eligible
34	0126EC131037	Garima Bahare	35	35	70	Eligible
35	0126EC131038	Garima Yadav	10	10	20	Not Eligible
36	0126EC131039	GOURAV DONGRE	30	35	65	Eligible
37	0126EC131040	Himanshu Badgaiyan	35	35	70	Eligible
38	0126EC131041	Jayant Kishor	40	35	75	Eligible
39	0126EC131042	Jyoti Kumari	25	25	50	Eligible
40	0126EC131043	Kanchan Gangil	35	30	65	Eligible
41	0126EC131044	Kanchan Rajpal	40	35	75	Eligible
42	0126EC131045	Karn Kartik	35	40	75	Eligible
43	0126EC131046	Keshavi Jha	40	35	75	Eligible
44	0126EC131047	Ketan Gupta	ABS(0)	ABS(0)	0	Not Eligible
45	0126EC131048	Kratika Pandey	30	40	70	Eligible
46	0126EC131049	Lucky Rai	35	35	70	Eligible
47	0126EC131052	Maneesha Chansauriya	25	40	65	Eligible
48	0126EC131053	Manish Kumar Meena	10	10	20	Not Eligible
49	0126EC131054	Mayuri Shrivastava	35	30	65	Eligible
50	0126EC131055	Megha Deshmukh	40	35	75	Eligible
51	0126EC131056	Mitul Awadhya,	45	25	70	Eligible
52	0126EC131057	Mohammad Saif	40	30	70	Eligible
53	0126EC131058	Mohd Adil	45	35	80	Eligible
54	0126EC131059	Moshin Khan	25	45	70	Eligible
55	0126EC131060	Mridul Dongsare	30	35	65	Eligible
56	0126EC131061	Nayan Gupta	35	25	60	Eligible
57	0126EC131062	Nidhi Kashyap	40	25	65	Eligible
58	0126EC131063	Nidhi Suri	30	30	75	Eligible

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Value Added Course: Advanced Arduino

Course Code :EC-40001, Assessment sheet, 20-24-Mar-2017

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Obtained Marks/50)	Objective Test Score (Obtained Marks/50)	Total Score	Eligible for Certificate or not
59	0126EC131064	Niranjan Kumar	25	45	70	Eligible
60	0126EC131065	NISHANT SONI	30	40	70	Eligible
61	0126EC131066	Nishkarsh Jain	25	40	65	Eligible
62	0126EC131067	Payal Bisen	35	35	70	Eligible
63	0126EC131068	Phalguni Varyani	45	30	75	Eligible
64	0126EC131069	Piyush Namdev	40	40	80	Eligible
65	0126EC131070	Pooja Sahu	45	35	80	Eligible
66	0126EC131071	Prabhat Gupta	ABS(0)	ABS(0)	0	Not Eligible
67	0126EC131072	Pragati Sinha	40	25	65	Eligible
68	0126EC131073	Pratik Jain	35	25	60	Eligible
69	0126EC131074	Pratyush Upadhyay	30	30	60	Eligible
70	0126EC131075	Priya Gupta	25	25	50	Eligible
71	0126EC131076	Priyansh Raghuwanshi	30	30	60	Eligible
72	0126EC131077	Priyanshi Khandelwal	35	35	70	Eligible
73	0126EC131079	Rajat Chouksey	35	30	65	Eligible
74	0126EC131080	Rakesh Jaisinghani	ABS(0)	ABS(0)	00	Not Eligible
75	0126EC131081	Ravi Agrawal	40	35	75	Eligible
76	0126EC131084	Rohan Vishnoi	45	35	80	Eligible
77	0126EC131085	Rohit Ochani	30	40	70	Eligible
78	0126EC131086	Rohit Rajput	35	35	70	Eligible
79	0126EC131087	Samridhi Soni	35	30	65	Eligible
80	0126EC131088	Sana Shekh	25	25	50	Eligible
81	0126EC131089	Sarvesh Saurav	ABS(0)	ABS(0)	05	Not Eligible
82	0126EC131090	Satyam Chandel	30	25	55	Eligible
83	0126EC131091	Saurav Kumar	30	25	55	Eligible
84	0126EC131092	Sawan Sharma	10	40	50	Not Eligible
85	0126EC131093	Shail Shivani Khatri	30	30	60	Eligible
86	0126EC131094	Shailee Tiwari	30	30	60	Eligible
87	0126EC131095	Shalini Rathod	35	25	60	Eligible

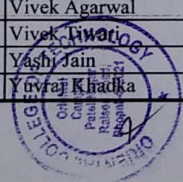
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Value Added Course: Advanced Arduino

Course Code :EC-40001, Assessment sheet, 20-24-Mar-2017

S.NO.	ENROLL NO	NAME OF STUDENT	Class Room Assessment Score (Obtained Marks/50)	Objective Test Score (Obtained Marks/50)	Total Score	Eligible for Certificate or not
88	0126EC131097	Shivalika Tiwari	25	40	65	Eligible
89	0126EC131098	Shivam Lakshakar	30	35	65	Eligible
90	0126EC131099	Shivam Soni	40	40	80	Eligible
91	0126EC131100	Shivani Kaurav	40	35	75	Eligible
92*	0126EC131101	Shlesha Dubey*	25	25	50	Eligible
93	0126EC131102	Shravan Kumar	10	30	40	Not Eligible
94	0126EC131103	Shrishti Chaubey	35	30	65	Eligible
95	0126EC131104	Shubham Pandey	35	35	70	Eligible
96	0126EC131106	Sneh Rahul	30	40	70	Eligible
97	0126EC131107	Sneha Laddha	25	35	60	Eligible
98	0126EC131108	Sonal Sharma	25	35	60	Eligible
99	0126EC131109	Sonali Guin	30	30	60	Eligible
100	0126EC131110	Srishti Sinha	35	25	60	Eligible
101	0126EC131111	Suchit Jain	20	25	45	Not Eligible
102	0126EC131112	Sudha Uppaluri	40	35	75	Eligible
103	0126EC131113	Suyash Shrivastava	45	35	80	Eligible
104	0126EC131114	Swapnil Wagadre	25	20	45	Not Eligible
105	0126EC131115	Swarna Pandey	30	40	70	Eligible
106	0126EC131116	Swarnim Agrawal	35	35	70	Eligible
107	0126EC131117	Trisha Singh	30	35	65	Eligible
108	0126EC131118	Vijay Raj Singh Rathore	25	30	55	Eligible
109	0126EC131119	Vijay Sanodiya	30	20	50	Eligible
110	0126EC131120	Vinay Kumar Tiwari	35	25	60	Eligible
111	0126EC131121	Vivek Agarwal	40	30	70	Eligible
112	0126EC131122	Vivek Tiwari	45	40	85	Eligible
113	0126EC131123	Yash Jain	30	35	65	Eligible
114	0126EC131124	Yuvraj Khadka	25	35	60	Eligible



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Course Evaluation/ Feedback Form

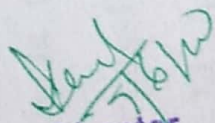
Value Added Course	ADV. ARDUINO
Date:	20-24 March 2017
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Arvind Sahu, Mr. Amish Jha, Mr. Kapil Gupta

● Please respond to the following statements by using the 5-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

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

1. The instructor is well prepared for class session.	5 4 3 2 1
2. The instructor answered all question carefully and completely.	5 4 3 2 1
3. The instructor uses example to make material understand.	5 4 3 2 1
4. The instructor stimulated interest in the course.	5 4 3 2 1
5. The instructor made the course material interesting.	5 4 3 2 1
6. The materials provided were sufficient & appropriate for the program.	5 4 3 2 1




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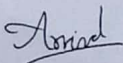


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
[Approved by AICTE, New Delhi & Govt. of M.P. Affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA]

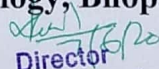
CERTIFICATE EC ORIENTAL

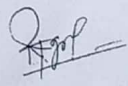
This is to certify that Mr./Ms. Priyanshi Khandelwal of EC-VIII Sem , OCT, Bhopal, has Successfully Completed the “Value Added Course” on “Advanced Arduino” during 20-24 Mar 2017, organized by Department of Electronics & Communication Engineering, Oriental College of Technology, Bhopal.


Coordinator




HOD, EC

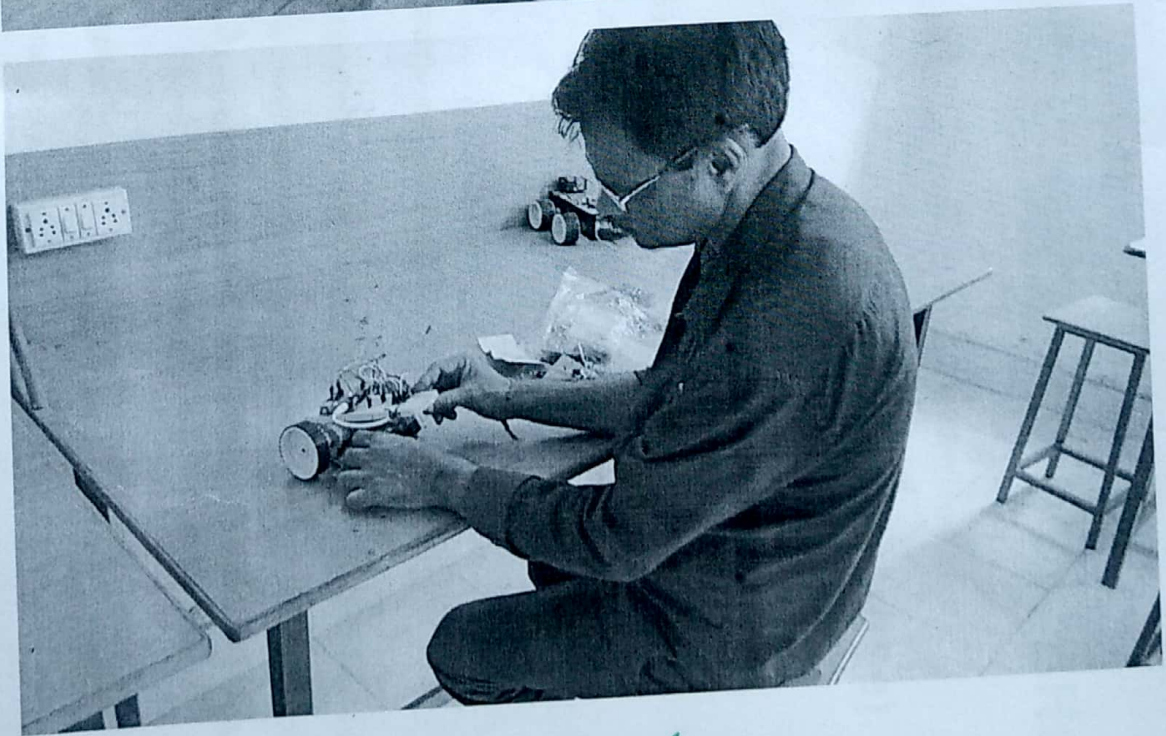
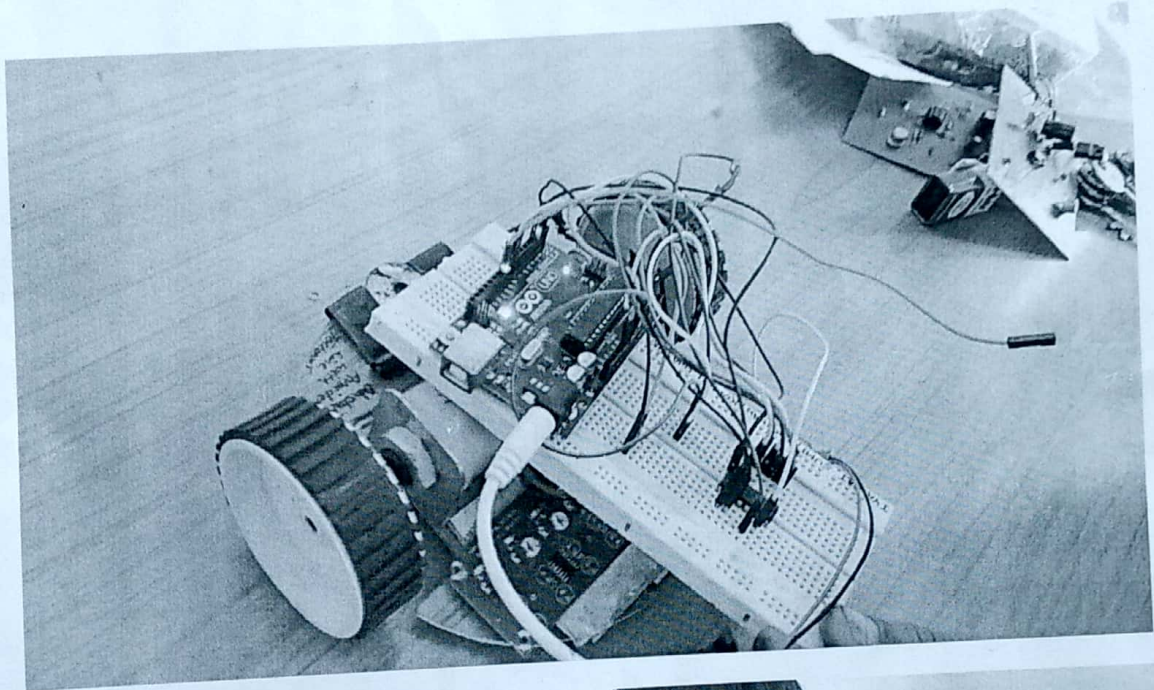

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Director, OCT

Value Added course on

Advanced Arduino

20-24 mar 2017



[Handwritten Signature]

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Bhopal



ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Electronics & Communication Engineering Department

Report on Advanced Arduino (Value Added Course)

Date and Time: 20-24 Mar, 2017, **Venue:** ECE, OCT

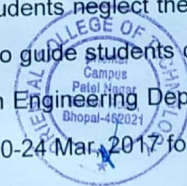
Organized by: ECE, OCT, Bhopal. **Name of the Speakers:** Mr. Arvind Sahu, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT, Mr. Amish Ku. Jha, Assistant Professor, EC, OCT,

Participants Details: 4th year students of ECE

Summary of Course

According to the need of institute-industry collaboration, importance of the value-added course is growing day by day. Oriental college of technology provides a large variety of short duration certificate courses for preparing the students according to industrial demands. These courses are conducted to help students stand apart from the rest in the job market by adding further value to their carriers.

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 had organized "Value Added Course on Advanced Arduino" from 20-24 Mar, 2017 for the students of fourth year.

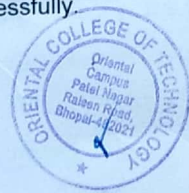


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This Course syllabus was covered by Mr. Arvind Sahu, Assistant Professor, EC, OCT, Mr. Amish Ku. Jha, Assistant Professor, EC, OCT & Mr. Kapil Gupta, Assistant Professor, EC, OCT in 30 Hrs.

Day	Instructor Name	Title of speech
20-03-2017	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Inaugural speech of Dr. N.K Agrawal, Director, Oriental College of Technology
	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Introduction to Advances Arduino & AVR Programming
21-03-2017	Mr. Amish Jha, Assistant Professor, EC, OCT	Programming the Arduino UNO Rev3 from WinAVR Environment
22-03-2017	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Burning Bootloader to Atmega8
23-03-2017	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Burning Bootloader Via USBasp
	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Practice Session
24-03-2017	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Designing of Arduino based system with AVR programming
	Mr. Kapil Gupta, Assistant Professor, EC, OCT	Objective Test
	Mr. Arvind Sahu, Assistant Professor, EC, OCT	Testing of Project

At last, Dr. Rahul Dubey, Head EC, Course Convenor given the vote of thanks to course instructors Mr. Arvind Sahu, Mr. Kapil Gupta and Mr. Amish Jha for addressing the students. At the end, he thanked all the faculties and student volunteers for their support in organizing this program successfully.



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Dr. Rahul Dubey
Course Convenor
Head, EC, OCT



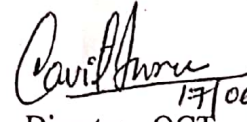
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Oriental Campus, Raisen Road, Bhopal-462021 (MP) INDIA

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

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Copy to:

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




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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. N. K. Agrawal
Director, OCT, Bhopal

CONVENOR

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ochohex@oriental.ac.in
Mobile: +917024119755

COURSE COORDINATOR

Mr. Praveen Choudhary
Mobile: +918770913910

ORGANISING COMMITTEE MEMBERS

Mr. Praveen Choudhary
Mr. Kaushal Sen

CONTACT

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**Oriental College of Technology,
Bhopal**



Value Added Course

On
"Arduino"

[16-20, Jan. 2017,]

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

Arduino is an open source platform used for building electronics projects. Arduino consists of both a physical programmable circuit board or microcontroller and a software, IDE (Integrated Development Environment) that runs on the computer. It is used to write and upload computer code to the physical board.

OBJECTIVES

In this course you will learn how the Arduino platform works in terms of the physical board and libraries and the IDE (Integrated Development Environment). The course will also cover programming.

accessing the pins on the board via the software to control external devices.

ELIGIBILITY

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

REGISTRATION

No Registration fees.

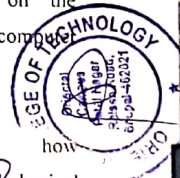
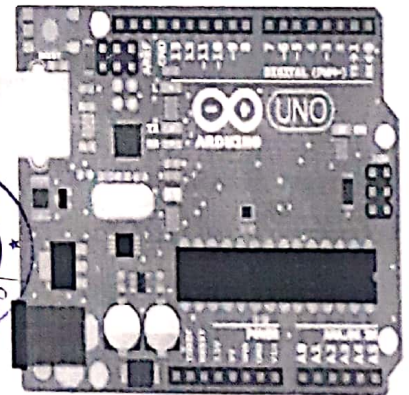
SPEAKERS

Mr. Lalit Jain

HOD, EX Deptt. OCT Bhopal

Mr. Ashish Bohre

Assistant Prof. EX Deptt. OCT Bhopal



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ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Electrical & Electronics Engineering

Value Added Course: Arduino

Course Code: EX 40001

Module I:

Introduction to Arduino- What is ARDUINO? What is Open Source Microcontroller Platform? Arduino GPIO Pins, Basics of Electronics., Sensors and Actuators. **Hands-on with Arduino-** Fundamentals of C programming, About Arduino IDE (Your First Arduino Sketch), Digital Output as LED glow, Digital Input Using Switch, Control Output using Digital Input, Sensors Interfacing- Serial Input & Serial Output, Analog Input & Analog Output, What is Sensor & Actuator?, Sensor Feature. Types of sensors, Interfacing Sensor With Arduino, Reading From Sensors

Module II:

Wifi Module- Introduction to Esp8266, Interfacing of Arduino with ESP8266, Introduction to Attention Commands for internet access, Connect with WiFi network, Access the IP address assigned to ESP8266 and arduino, **Implementaion of IOT-** Create a local server using arduino, What are cloud Servers, Cloud computing and IOT, Popular Cloud Servers, Cloud platform introduction, Creating Channel for live data feed, Program arduino to read and update sensor data over cloud, **Thingspeak apps-** Connect temperature and humidity sensor, Continuously monitor sensor reading through internet, Link your Twitter account with Cloud Server, Generate API and program arduino, How to tweet using Arduino, Get sensor data over twitter

Module III:

Bluetooth Module, MIT app inventor , Connections for Home Automation, Arduino Progaming for Bluetooth(Program Arduino to read command transferred from app using Bluetooth, Home automation using Bluetooth, arduino and relay, Develop the module as voice controlled home automation)


Module IV:

Industrial and Home Automation, Introduction to Raspberry Pi, Hands-on with Raspberry Pi and Python, GPIO Access, Pi using SSH, Linux.

Module V:

Sensors & Actuators, Implementation of IOT



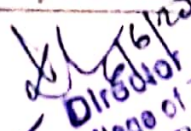

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SCHEDULE

5 Days Value Added Course on Arduino [16 to 20 Jan 2017]

16 th Jan 2017		
Time	Session	Teacher
9:30-10:00 AM	Inaugural Programme	
10:00 AM-12:30PM	Introduction to Arduino	Mr. Lalit Jain
12:30-1:10PM	LUNCH	
01:10-3:10PM	Hands-on with Arduino	Mr. Lalit Jain
3:10 -3:30PM	Break	
03:30-5:30PM	Sensors Interfacing	Mr. Lalit Jain
17 th Jan 2017		
Time	Session	Teacher
9:00-11:00AM	Wifi Module	Mr. Lalit Jain
11:00-11:30AM	Break	
11:30-01:00PM	Implementaion of IOT	Mr. Lalit Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Thingspeak apps	Mr. Lalit Jain
18 th Jan 2017		
Time	Session	Teacher
9:00-11:00AM	Bluetooth Module	Mr. Ashish Bohre
11:00-11:30AM	Break	
11:30-01:00PM	Connections for Home Automation	Mr. Ashish Bohre
01:00-1:40PM	LUNCH	
01:40-4:30PM	Arduino Programing for Bluetooth	Mr. Ashish Bohre
19 th Jan 2017		
Time	Session	Teacher
9:00-11:00AM	Industrial and Home Automation	Mr. Lalit Jain
11:00-11:30AM	Break	
11:30-01:00PM	Class Room Assessment	Mr. Lalit Jain
01:00-1:40PM	LUNCH	
01:40-4:30PM	Introduction to Raspberry Pi	Mr. Lalit Jain
20 th Jan 2017		
Time	Session	Teacher
9:00-11:00AM	Sensors & Actuators	Mr. Ashish Bohre
11:00-11:30AM	Break	
11:30-01:00PM	Objective Test	Mr. Ashish Bohre
01:00-1:40PM	LUNCH	
01:40-2:30PM	Implementation of IOT	Mr. Ashish Bohre
2:30-3:30PM	Feedback from students	Mr. Ashish Bohre
3:30-4:30 PM	Valedictory & Certificate distribution	Mr. Ashish Bohre




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Value Added Course On Aurdino
Objective Test, Date: 20 Jan 2017

Branch:	Electrical & Electronics Engineering		
Semester	8 Sem		Max. marks-50 Minimum marks-25
Subject	Aurdino	Subject Code: EX 40001	Time: 1:30 Hrs
Note	All questions are compulsory. Each Question is of 2.5 Marks.		

1. How many types of arduino do we have?

- a) 5
- b) 6
- c) 8
- d) 6

2. What is the microcontroller used in Arduino UNO?

- a) ATmega328p
- b) ATmega2560
- c) ATmega32114
- d) AT91SAM3x8E

3. What does p refer to in ATmega328p?

- a) Production
- b) Pico-Power
- c) Power-Pico
- d) Programmable on chip

4. Arduino shields are also called as _____

- a) Extra peripherals
- b) Add on modules



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- c) Connectivity modules
- d) Another Arduinos

5. What is the default bootloader of the Arduino UNO?

- a) Optiboot bootloader
- b) AIR-boot
- c) Bare box
- d) GAG

6. Does the level shifter converts the voltage levels between RS-232 and transistor-transistor logic.

- a) True
- b) False

7. Which is the software or a programming language used for controlling of Arduino?

- a) Assembly Language
- b) C Languages
- c) JAVA
- d) Any Language

8. Do Arduino provides IDE Environment?

- a) True
- b) False

9. A program written with the IDE for Arduino is called _____

- a) IDE source
- b) Sketch
- c) Cryptography
- d) Source code

10. Arduino IDE consists of 2 functions. What are they?

- a) Build() and loop()
- b) Setup() and build()
- c) Setup() and loop()
- d) Loop() and build() and setup()

11. How many digital pins are there on the UNO board?

- a) 14
- b) 12
- c) 16
- d) 20

12. _____ board allows sewn into clothing.

- a) UNO
- b) RedBoard



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Head of Department
Electronics & Communication Engineering
Oriental College of Technology

- c) LilyPad
- d) Mega

13. How many analog pins are used in Arduino Mega board?

- a) 16
- b) 14
- c) 12
- d) 8

14. Which board is first to use microcontroller within build USB?

- a) LilyPad
- b) UNO
- c) RedBoard
- d) Leonardo

15. _____ are pre built circuit boards that fit on top of Android.

- a) Sensor
- b) Data types
- c) Breadboard
- d) Shields

16. What does GPIO stand for?

- a) General Purpose Inner Outer Propeller
- b) General Purpose Input Output Pins
- c) General Purpose Interested Old People
- d) General Purpose Input Output Processor

17. _____ are pre built circuit boards that fit on top of Android.

- a) Sensor
- b) Data types
- c) Breadboard
- d) Shields

18. What license is Arduino distributed under?

- A. Proprietary with GNU GPL Ambient user interface
- B. Proprietary
- C. Shareware



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19. What does IDE stand for?

- A. In Deep Environment
- B. Integrated Development Environment
- C. Internal Deep Escape
- D. IDE

20. Which board is first to use microcontroller with in build USB?

- A. LilyPad
- B. UNO
- C. RedBoard
- D. Leonardo




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Electrical Engineering
Oriental College of Technology



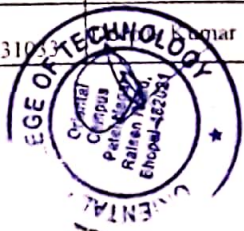
Oriental College of Technology , Bhopal

Department of Electrical & Electronics Engineering

Value Added Course-Arduino

16-20 Jan 2017

r. No.	Enrollment No.	Name of Student	16/1/2017	17/1/2017	18/1/2017	19/1/2017	20/1/2017
1	0126EX131001	Abhishek Sahu	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	0126EX131003	Aditya Vishwakarma	Aditya	Aditya	Aditya	Aditya	Aditya
3	0126EX131004	Ajay Kumar	Ajay	Ajay	Ajay	Ajay	Ajay
4	0126EX131005	Ajeet Kumar Tiwari	Ajeet	Ajeet	Ajeet	Ajeet	Ajeet
5	0126EX131006	Ajeet Bhartiya	Ajeet	Ajeet	Ajeet	Ajeet	Ajeet
6	0126EX131007	Akanksha Dhote	A	A	A	A	A
7	0126EX131008	Akash Anand	A	A	A	A	A
8	0126EX131009	Akshey Giridonia	A	A	A	A	A
9	0126EX131010	Aman Kumar Tiwari	Aman	Aman	Aman	Aman	Aman
10	0126EX131011	Aman Mangal	Aman	Aman	Aman	Aman	Aman
11	0126EX131012	Amit Tiwari	A.Tiwari	A.Tiwari	A.Tiwari	A.Tiwari	A.Tiwari
12	0126EX131014	Ankit Chouhan	Ankit	Ankit	Ankit	Ankit	Ankit
13	0126EX131015	Ankit Dixit	A	A	A	A	A
14	0126EX131016	Ankit Kumar Kothari	Ankit	Ankit	Ankit	Ankit	Ankit
15	0126EX131017	Ankit Kumar Vishwakarma	Ankit	Ankit	Ankit	Ankit	Ankit
16	0126EX131018	Ankit Kumar Mishra	Ankit	Ankit	Ankit	Ankit	Ankit
17	0126EX131020	Ankit Tiwari	A	A	A	A	A
18	0126EX131021	Ankita Soni	Boni	Boni	Boni	Boni	Boni
19	0126EX131022	Ankur Agnihotri	Ankur	Ankur	Ankur	Ankur	Ankur
20	0126EX131023	Arjun Neekhra	A	A	A	A	A
21	0126EX131024	Arpita Goyal	A	A	A	A	A
22	0126EX131025	Ashutosh Raj	A	A	A	A	A
23	0126EX131026	Avinash Jaiswal	AV	AV	AV	AV	AV
24	0126EX131027	Ayush Kumar Ojha	Ayush	Ayush	Ayush	Ayush	Ayush
25	0126EX131029	Brajendra Singh Dangi	B	B	B	B	B
26	0126EX131030	Brijesh Kumar Sahu	Brijesh	Brijesh	Brijesh	Brijesh	Brijesh
27	0126EX131031	Bhagat Singh	A	A	A	A	A



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Bhopal

Department
Electrical & Electronics Engineering

28	0126EX131034	Devashish Gargava	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>
29	0126EX131035	Dhiraj Kumar Amit	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>
30	0126EX131036	Diksha Handewar	<u>Dhandewar</u>	<u>Dhandewar</u>	<u>Dhandewar</u>	<u>Dhandewar</u>	<u>Dhandewar</u>
31	0126EX131037	Gaurav Katre	<u>Gatkar</u>	<u>Gatkar</u>	<u>Gatkar</u>	<u>Gatkar</u>	<u>Gatkar</u>
32	0126EX131039	Harsha Thakre	<u>harkh</u>	<u>harkh</u>	<u>harkh</u>	<u>harkh</u>	<u>harkh</u>
33	0126EX131041	Himanshu Kumar Singh	<u>H</u>	<u>H</u>	<u>H</u>	<u>H</u>	<u>H</u>
34	0126EX131043	Jyotirmay Pal	<u>J</u>	<u>J</u>	<u>J</u>	<u>J</u>	<u>J</u>
35	0126EX131044	Kanak Dubey	<u>K</u>	<u>K</u>	<u>K</u>	<u>K</u>	<u>K</u>
36	0126EX131045	Karun Sharma	<u>Karun</u>	<u>Karun</u>	<u>Karun</u>	<u>Karun</u>	<u>Karun</u>
37	0126EX131046	Kinshuk Trivedi	<u>Kushik</u>	<u>Kushik</u>	<u>Kushik</u>	<u>Kushik</u>	<u>Kushik</u>
38	0126EX131047	Kishan Kumar Jha	<u>Kishan</u>	<u>Kishan</u>	<u>Kishan</u>	<u>Kishan</u>	<u>Kishan</u>
39	0126EX131048	Lovmit Singh	<u>L</u>	<u>L</u>	<u>L</u>	<u>L</u>	<u>L</u>
40	0126EX131050	Mahika Saxena	<u>Mahika</u>	<u>Mahika</u>	<u>Mahika</u>	<u>Mahika</u>	<u>Mahika</u>
41	0126EX131051	Manish Kumar Gupta	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>
42	0126EX131052	Manjeet Raj	<u>Manjeet</u>	<u>Manjeet</u>	<u>Manjeet</u>	<u>Manjeet</u>	<u>Manjeet</u>
43	0126EX131053	Mayank Gour	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>
44	0126EX131054	Megha Sharma	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>
45	0126EX131055	Mohit Kumar	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>
46	0126EX131056	Mohit Kumar Tanwar	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>	<u>Mohit</u>
47	0126EX131057	Mradul Yadav	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>
48	0126EX131058	Naman Baghel	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>
49	0126EX131060	Neha Prabha	<u>Neha</u>	<u>Neha</u>	<u>Neha</u>	<u>Neha</u>	<u>Neha</u>
50	0126EX131061	Nihal Kumar	<u>Nihal</u>	<u>Nihal</u>	<u>Nihal</u>	<u>Nihal</u>	<u>Nihal</u>
51	0126EX131062	Niharika Shrivastava	<u>Niharika</u>	<u>Niharika</u>	<u>Niharika</u>	<u>Niharika</u>	<u>Niharika</u>
52	0126EX131063	Nirupam Bisen	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>
53	0126EX131064	Pawan Jat	<u>Pawan</u>	<u>Pawan</u>	<u>Pawan</u>	<u>Pawan</u>	<u>Pawan</u>
54	0126EX131066	Prashant Deshpandey	<u>Prashant</u>	<u>Prashant</u>	<u>Prashant</u>	<u>Prashant</u>	<u>Prashant</u>
55	0126EX131067	Priya Nama	<u>P</u>	<u>P</u>	<u>P</u>	<u>P</u>	<u>P</u>
56	0126EX131068	Priya Singh	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>	<u>Priya</u>
57	0126EX131069	Priyanka Singh	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>
58	0126EX131070	Priyanka Tripathi	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>
59	0126EX131071	Rahul	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>



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Oriental College of Technology
Tinkal Road, Raigarh Road
Bilaspur

60	0126EX131072	Rahul Kumar	Rahul	Rahul	Rahul	Rahul	Rahul
61	0126EX131074	Rajat Rusiya	A	A	A	A	A
62	0126EX131076	Rajesh Kumar	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
63	0126EX131077	Rakesh Kumar Daharwal	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
64	0126EX131078	Ratensh Kumar Diwidi	Ratensh	Ratensh	Ratensh	Ratensh	Ratensh
65	0126EX131079	Ritesh Kumar	Rit	Rit	Rit	Rit	Rit
66	0126EX131081	Rohit Bansal	Rohit	Rohit	Rohit	Rohit	Rohit
67	0126EX131082	Rohit Jat	Rohit	Rohit	Rohit	Rohit	Rohit
68	0126EX131083	Rohit Kumar	R	R	R	R	R
69	0126EX131084	Roopam Choudhary	A	A	A	A	A
70	0126EX131085	Sagar Abhichandani	Sagar	Sagar	Sagar	Sagar	Sagar
71	0126EX131086	Sandeep Kumar	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
72	0126EX131087	Saranya Tomar	Saranya	Saranya	Saranya	Saranya	Saranya
73	0126EX131088	Sarika Bhatt	Sarika	Sarika	Sarika	Sarika	Sarika
74	0126EX131089	Saurabh Singh Rajpoot	SS	SS	SS	SS	SS
75	0126EX131090	Shalini Sahu	Shalini	Shalini	Shalini	Shalini	Shalini
76	0126EX131091	Sharukh Ansari	Sharukh	Sharukh	Sharukh	Sharukh	Sharukh
77	0126EX131092	Shashank Shekar Pandey	Sh	Sh	Sh	Sh	Sh
78	0126EX131094	Shatakshi Dubey	A	A	A	A	A
79	0126EX131095	Shilpi Tiwari	Shilpi	Shilpi	Shilpi	Shilpi	Shilpi
80	0126EX131096	Shiv Ram Singh	Shiv	Shiv	Shiv	Shiv	Shiv
81	0126EX131097	Shraddha Mishra	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha
82	0126EX131098	Shreya Khare	Sh	Sh	Sh	Sh	Sh
83	0126EX131099	Shreya Mahalwar	Shreya	Shreya	Shreya	Shreya	Shreya
84	0126EX131100	Shubham Kr. Yashu	Shubham	Shubham	Shubham	Shubham	Shubham
85	0126EX131101	Shubham Raghuwanshi	Shubham	Shubham	Shubham	Shubham	Shubham
86	0126EX131103	Siddhath Singh	S.Singh	S.Singh	S.Singh	S.Singh	S.Singh
87	0126EX131105	Sonu Kr. Singh	Sonukr	Sonukr	Sonukr	Sonukr	Sonukr
88	0126EX131106	Subhash Sharma	Subhash	Subhash	Subhash	Subhash	Subhash
89	0126EX131107	Subhuti Subhuti Soni	Subhuti	Subhuti	Subhuti	Subhuti	Subhuti
90	0126EX131108	Subrat Mohan	S.Mohan	S.Mohan	S.Mohan	S.Mohan	S.Mohan
91	0126EX131109	Sandeep Raj Shrichandani	A	A	A	A	A



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Bhopal

	0126EX131110	Surendra Parmar					
93	0126EX131112	Umesh Kr. Gupta	Umesh	Umesh	Umesh	Umesh	Umesh
94	0126EX131113	Utkarsh Bajpai	Utkarsh	Utkarsh	Utkarsh	Utkarsh	Utkarsh
95	0126EX131114	Varsha Khadelwal	Varsha	Varsha	Varsha	Varsha	Varsha
96	0126EX131115	Vishal Bisen	Vishal.	Vishal.	Vishal.	Vishal.	Vishal.
97	0126EX131116	Vishal Darokar	A	A	A	A	A
98	0126EX131117	Vishal Gedam	Vishal	Vishal	Vishal	Vishal	Vishal
99	0126EX131118	Vishnu Kr. Patel	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu
100	0126EX131119	Vivek Kumar	Vivek Kr.	Vivek. kr	Vivek kr.	Vivek kr.	Vivek kr.
101	0126EX131121	Vivek Sahani	Vivek	VIVEK	VIVEK	VIVEK	VIVEK
102	0126EX131120	Vivek Kumar Thakur					
103	0126EX131123	Yadvendra Singh					



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Oriental College Of Technology, Bhopal

Electrical & Electronics Engineering Department

Value Added Course: Aurdino, 16-20 Jan 2017

Course Code: EX 40001

ASSESSMENT SHEET

Sno	Enrolment No.	Name of students	Class room assessment score(marks/50)	Objective test score(marks/50)	Total score	Eligible to receive certificate or not
1	0126EX131001	Abhishek Sahu	40	40	80	Eligible
2	0126EX131003	Aditya Vishwakarma	37	40	77	Eligible
3	0126EX131004	Ajay Kumar	45	47.5	92.5	Eligible
4	0126EX131005	Ajeet Kumar Tiwari	35	45	80	Eligible
5	0126EX131006	Ajeet Bhartiya	28	39	67	Eligible
6	0126EX131007	Akanksha Dhote	A	A	0	Not Eligible
7	0126EX131008	Akash Anand	45	42	87	Eligible
8	0126EX131009	Akshey Girtonia	A	A	0	Not Eligible
9	0126EX131010	Aman Kumar Tiwari	42	45.5	87.5	Eligible
10	0126EX131011	Aman Mangal	38	40	78	Eligible
11	0126EX131012	Amit Tiwari	36	41	77	Eligible
12	0126EX131014	Ankit Chouhan	A	A	0	Eligible
13	0126EX131015	Ankit Dixit	30	45	75	Eligible
14	0126EX131016	Ankit Kumar Kothari	30	30	60	Eligible
15	0126EX131017	Ankit Kumar Vishwakarma	35	45	80	Eligible




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16	0126EX131018	Ankit Kumar Mishra	45.5	30	75.5	Eligible
17	0126EX131020	Ankit Tiwari	45	43	88	Eligible
18	0126EX131021	Ankita Soni	29	35	64	Eligible
19	0126EX131022	Ankur Agnihotri	30	30	30	Eligible
20	0126EX131023	Arjun Neekhra	A	A	0	Not Eligible
21	0126EX131024	Arpita Goyal	32	35	67	Eligible
22	0126EX131025	Ashutosh Raj	A	A	0	Not Eligible
23	0126EX131026	Avinash Jaiswal	38	40	78	Eligible
24	0126EX131027	Ayush Kumar Ojha	29	40	69	Eligible
25	0126EX131029	Brajendra Singh Dangi	30	42	72	Eligible
26	0126EX131030	Brijesh Kumar Sahu	28	35	63	Eligible
27	0126EX131033	Deepak Kumar	A	A	0	Not Eligible
28	0126EX131034	Devashish Gargava	38	40	78	Eligible
29	0126EX131035	Dhiraj Kumar Amit	29	40	69	Eligible
30	0126EX131036	Diksha Bandewar	30	42	72	Eligible
31	0126EX131037	Gaurav Katre	28	35	63	Eligible
32	0126EX131039	Harsha Thakre	40	47.5	87.5	Eligible
33	0126EX131041	Himanshu Kumar Singh	36	27	63	Eligible
34	0126EX131043	Jyotirmay Pal	A	A	0	Not Eligible
35	0126EX131044	Kanak Dubey	36	45	81	Eligible



[Signature]
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 Oriental College of Technology
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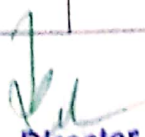
36	0126EX131045	Karun Sharma	29	30	59	Eligible
37	0126EX131046	Kinshuk Trivedi	45	45	90	Eligible
38	0126EX131047	Kishan Kumar Jha	28	30	58	Eligible
39	0126EX131048	Lovmit Singh	A	A	0	Not Eligible
40	0126EX131050	Mahika Saxena	42	45	87	Eligible
41	0126EX131051	Manish Kumar Gupta	43	43	86	Eligible
42	0126EX131052	Manjeet Raj	45	40	85	Eligible
43	0126EX131053	Mayank Gour	A	A	0	Not Eligible
44	0126EX131054	Megha Sharma	28	39	67	Eligible
45	0126EX131055	Mohit Kumar	A	A	0	Eligible
46	0126EX131056	Mohit Kumar Tanwar	45	42	87	Eligible
47	0126EX131057	Mradul Yadav	A	A	0	Eligible
48	0126EX131058	Naman Baghel	42	45.5	87.5	Eligible
49	0126EX131060	Neha Prabha	38	40	78	Eligible
50	0126EX131061	Nihal Kumar	36	41	77	Eligible
51	0126EX131062	Niharika Shrivastava	A	A	0	Eligible
52	0126EX131063	Nirupam Bisen	30	45	75	Eligible
53	0126EX131064	Pawan Jat	30	30	60	Eligible
54	0126EX131066	Prashant Deshpandey	35	45	80	Eligible
55	0126EX131067	Priya Nama	28	39	67	Eligible
56	0126EX131068	Priya Singh				Eligible




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57	0126EX131069	Priyanka Singh	35	32	67	Eligible
58	0126EX131070	Priyanka Tripathi	28	35	63	Eligible
59	0126EX131071	Rahul Kumar	39	40	79	Eligible
60	0126EX131072	Rahul Kumar	26	35	61	Eligible
61	0126EX131074	Rajat Rusiya	A	A	0	Not Eligible
62	0126EX131076	Rajesh Kumar	45.5	30	75.5	Eligible
63	0126EX131077	Rakesh Kumar Daharwal	32	42	74	Eligible
64	0126EX131078	Ratensh Kumar Diwidi	42	40	82	Eligible
65	0126EX131079	Ritesh Kumar	30	42	72	Eligible
66	0126EX131081	Rohit Bansal	28	35	63	Eligible
67	0126EX131082	Rohit Jat	45.5	30	75.5	Eligible
68	0126EX131083	Rohit Kumar	32	42	74	Eligible
69	0126EX131084	Roopam Choudhary	A	A	0	Not Eligible
70	0126EX131085	Sagar Abhichandani	28	30	58	Eligible
71	0126EX131086	Sandeep Kumar	A	A	0	Not Eligible
72	0126EX131087	Saranya Tomar	30	45	75	Eligible
73	0126EX131088	Sarika Bhatt	30	30	60	Eligible
74	0126EX131089	Saurabh Singh Rajpoot	35	45	80	Eligible
75	0126EX131090	Shalini Sahu	45.5	30	75.5	Eligible
76	0126EX131091	Sharukh Ansari	32	42	74	Eligible
77	0126EX131092	Shashank	42	40	82	Eligible




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		Shekar Pandey				
78	0126EX131094	Shatakshi Dubey	A	A	0	Not Eligible
79	0126EX131095	Shilpi Tiwari	29	40	69	Eligible
80	0126EX131096	Shiv Ram Singh	30	42	72	Eligible
81	0126EX131097	Shraddha Mishra	28	35	63	Eligible
82	0126EX131098	Shreya Khare	40	47.5	87.5	Eligible
83	0126EX131099	Shreya Mahalwar	36	27	63	Eligible
84	0126EX131100	Shubham Kr. Yashu	48	35	83	Eligible
85	0126EX131101	Shubham Raghuwanshi	30	45	75	Eligible
86	0126EX131103	Siddhath Singh	30	30	60	Eligible
87	0126EX131105	Sonu Kr. Singh	35	45	80	Eligible
88	0126EX131106	Subhash Sharma	45.5	30	75.5	Eligible
89	0126EX131107	Subhuti Subhuti Soni	32	42	74	Eligible
90	0126EX131108	Subrat Mohan	42	40	82	Eligible
91	0126EX131109	Sudeep Rai Shrichandani	45.5	30	75.5	Eligible
92	0126EX131110	Surendra Parmar	27	45	72	Eligible
93	0126EX131112	Umesh Kr. Gupta	40	40	80	Eligible
94	0126EX131113	Utkarsh Bajpai	29	40	69	Eligible
95	0126EX131114	Varsha Khadelwal	30	42	72	Eligible



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96	0126EX131115	Vishal Bisen	26	30	56	Eligible
97	0126EX131116	Vishal Darokar	A	A	0	Not Eligible
98	0126EX131117	Vishal Gedam	42	42	84	Eligible
99	0126EX131118	Vishnu Kr. Patel	35	35	75	Eligible
100	0126EX131119	Vivek Kumar	45	45	90	Eligible
101	0126EX131121	Vivek Sahani	44	30	74	Eligible
102	0126EX131120	Vivek Kumar Thakur	30	30	60	Eligible
103	0126EX131123	Yadvendra Singh	35	30	65	Eligible



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Director
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 Bhopal

[Handwritten Signature]
 Head of Department
 Elec. & Electronics Engineering
 Oriental College of Technology

Course Evaluation/ Feedback Form

Value Added Course	Aurdino
Date:	16-20 th Jan 2017
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Ashish Bohre

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

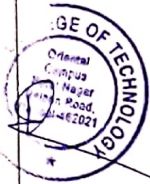
1. The course contents met with your expectations.	(4) 3 2 1
2. Were objective of the course clear to you.	(4) 3 2 1
3. The information and/or skills presented were relevant and useful	(4) 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	(4) 3 2 1
5. The course exposed to you to new knowledge and practices.	(4) 3 2 1
6. The materials provided were sufficient & appropriate for the program.	(4) 3 2 1
The physical arrangements were adequate.	(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: 2016-17

Department of Electrical & Electronics Engineering

CERTIFICATE

This is to certify that Mr. /Ms Abhishek Sahu of EX-VIII Sem , OCT, Bhopal, has Completed the "Value Added Courses" on "Arduino" during 16-20, Jan. 2017, organized by Department of Electrical & Electronics Engineering, Oriental College of Technology, Bhopal.

[Signature]
Director
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 Arduino

Date and Time: 16 January to 20 January 2017. **Venue:** EX,OCT Campus. **Organized**

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

OCT Bhopal, Mr. Ashish Bohre, Assistant Prof. EX Deptt. OCT Bhopal,

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

Summary of the Event

In this **course** students will learn how the **Arduino** platform works in terms of the physical board and libraries and the IDE (integrated development environment). The **course** will also cover programming the **Arduino** using C code and accessing the pins on the board via the software to control external devices.

'Value Added Course on Arduino' 16 January to 20 January 2017 for the students of IV year .

On January 15, the course started with the inaugural and presidential speech of Dr. N.K. Agrawal , 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, Praveen Choudhary, guided all students on the topic **'Arduino** In his speech, he had explained the need for every student to have skills to get a job.

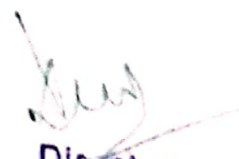
At last, Prof. Preeti Gupta, Head EX, Convenor of Course gave away the vote of thank. He thanked Mr. Lalit jain and Ashish Bohre and all the faculties, office staff and student volunteers for their unconditional support in organizing this Course.

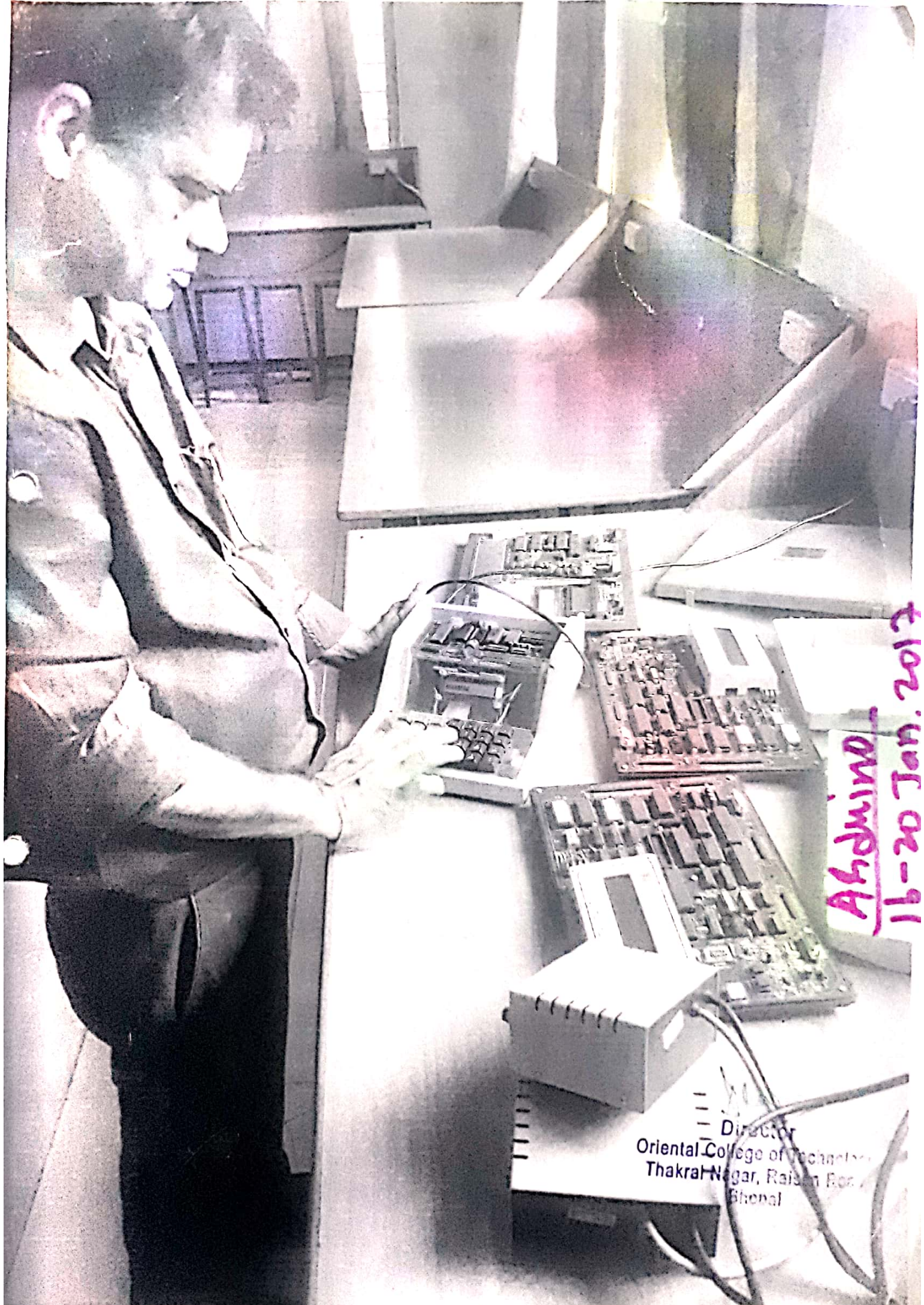
Prof. Preeti Gupta

Course Convenor

EX, OCT




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Oriental College of Technology
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Bhopal



Abhimano
16-20 Jan. 2017

Director
Oriental College of Technology
Thakral Nagar, Raisin Road
Bhenal



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.



Copy to:

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

Director . OCT

Director

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**ORIENTAL COLLEGE OF
TECHNOLOGY, BHOPAL**



Value Added Course

On

"3D PRINTING & 3D SCANNING"

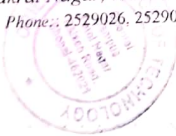
[14-19 November 2016]

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



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

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

ADVISORY COMMITTEE

Dr. N. K. Agarwal
Director, OCT, Bhopal

CONVENOR

Mr. Girish Kumar Khare
octhodme@oriental.ac.in

COURSE COORDINATOR

Mr. Shah Nawaz Ansari
Mobile: +918253033270
Shahnawaz91@gmail.com

ORGANISING COMMITTEE MEMBERS

Mr. Adarsh Sachdeva
Mr. Praveen Mishra
Mr. Saumitra Kumar Sharma

CONTACT

Mr. Shah Nawaz 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

Director

Oriental College of Technology
Thakral Nagar, Raisen Road
Bhopal

Signature with Seal

Head of the Department

Department of Mechanical Engineering

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 [14-19,Nov-2016]

14,Nov-2016

Time	Session	Teacher
10:00-10:30 AM	Inaugural Programme	
10:30 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. Adarsh Sachdeva
3:10 -3:30PM	Break	
03:30-6:00PM	Post processing, RP data formats, Classification of AMT process, Applications to various fields	Mr. Abdul Hameed Khan

15,Nov-2016

Time	Session	Teacher
9:00-11:00AM	Stereo lithography apparatus (SLA): Models and specifications,	Mr. Adarsh Sachdeva
11:00-11:30AM	Break	
11:30-01:00PM	photopolymers, polymerization, layering technology, laser and laser scanning,	Mr. Abdul Hameed Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Models and specifications,	Mr. Shahnawaz Ansari

16,Nov-2016

Time	Session	Teacher
9:00-11:00AM	Laminated object manufacturing	Mr. Abdul Hameed Khan
11:00-11:30AM	Break	
11:30-01:00PM	Fused Deposition Modeling (FDM)	Mr. Adarsh Sachdeva
01:00-1:40PM	LUNCH	
01:40-4:30PM	Case studies, practical demonstration	Mr. Shahnawaz Ansari

17,Nov-2016

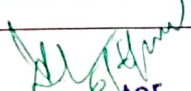
Time	Session	Teacher
9:00-11:00AM	Selective laser sintering (SLS), case studies	Mr. Adarsh Sachdeva
11:00-11:30AM	Break	
11:30-01:00PM	. Three dimensional printing (3DP)	Mr. Abdul Hameed Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Models and specification, process	Mr. Shahnawaz Ansari

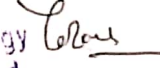
18,Nov-2016

Time	Session	Teacher
9:00-11:00AM	Practice Session I	Mr. Adarsh Sachdeva
11:00-11:30AM	Break	
11:30-01:00PM	. Practice Session II	Mr. Abdul Hameed Khan
01:00-1:40PM	LUNCH	
01:40-4:30PM	Practice Session III	Mr. Shahnawaz Ansari

19,Nov-2016

Time	Session	Teacher
10:00-12:00AM	working principle, applications, Case study	Mr. Abdul Hameed Khan
12:00-12:30AM	Break	
12:30-02:00PM	Objective Test	Mr. Shahnawaz Ansari
02:00-2:40PM	LUNCH	
02:40-3:30PM	Assignment submission	Mr. Abdul Hameed Khan / Mr. Adarsh Sachdeva
3:30-4:30PM	Feedback from students	Mr. Shahnawaz Ansari
4:30-5:30 PM	Valedictory & Certificate distribution	Mr. Abdul Hameed Khan / Mr. Adarsh Sachdeva


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 Bhopal


 Head of Department
 Mechanical Engineering
 Oriental College of Technology, Bhopal

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Value Added Course on 3D PRINTING & 3D SCANNING Objective Test, Date: 19,Nov-2016

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 is the most important thing you should consider when making something in 3d?
 - a) Size
 - b) Gravity
 - c) Functionality
 - d) Quality
2. . What is the first thing you should consider when making something in 3d?
 - a) quality
 - b) functionality
 - c) quality
 - d) size
3. What is the file format we export to print?
 - a) obj
 - b) stj
 - c) stl
 - d) slt
- 4 .what does 3d mean?
 - a) movies
 - b) 3 dimensions
 - c) stereoscopic
 - d) computer graphics
5. . What can be 3d?
 - a) computer graphics
 - b) movies
 - c) sculptures
 - d) all of the above
6. Who creates 123D Design?
 - a) Alias
 - b) Makerware
 - c) Autodesk
 - d) Shapeways
7. Do you have to use 123D Design to 3d print?
 - a) Yes
 - b) no


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8. What menu do I go to merge objects together?
- Group
 - Combine
 - Translate
 - Scale
9. What button on the keyboard do we hold to move the camera?
- shift
 - command
 - control
 - alt/option
10. What program did we draw in and import into 123D Design?
- Google Draw
 - Google
 - Google Drive
 - Sketchup
11. The inner flat planes of a model are called:
- faces
 - planes
 - shapes
 - banana
12. The lines of a model are called:
- lines
 - points
 - edges
 - spaces
13. What is one tool we use to fix sharp edges?
- chamfer
 - smooth
 - part
 - fix
14. If I have a model with hands that stand out for the sides what do I have to turn on to print it?
- Raft
 - Structure
 - Supports
 - Fixtures
15. What tool do we use to cut a hole into a shape?
- Combine
 - Scale
 - Extrude
 - Translate
16. What is the shortcut to re-size a model?
- command r
 - command s
 - r
 - s



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17. 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

18. What is the file format we would save from Google Drawing?

- a) stl
- b) svg
- c) jpg
- d) gif

19. 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

20. Who is the best 3d print teacher? :P

- a) Ms. Mandy
- b) Ms. Mandy
- c) Ms. Mandy
- d) Ms. Mandy


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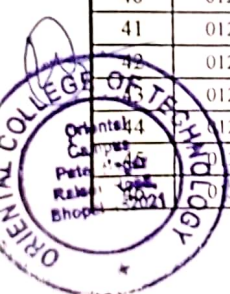
Oriental College of Technology Bhopal

Department of Mechanical Engineering

90

Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
1	0126IT131087	SHIWETA MAHAJAN	P	P	P	P	P	P
2	0126ME131001	ABDUL RAHMAN	P	P	P	P	P	P
3	0126ME131002	ABHILASH KUMAR MISHRA	P	P	P	P	P	P
4	0126ME131003	ABHISHEK GAUND	P	P	P	P	P	P
5	0126ME131004	ABHISHEK MISHRA	P	P	P	P	P	P
6	0126ME131005	ABHISHEK PRATAP SINGH	P	P	P	P	P	P
7	0126ME131008	ADITYA JAISWAL	P	P	P	P	P	P
8	0126ME131009	ADITYA RAWAT	P	P	P	P	P	P
9	0126ME131010	AKASH CHOUBEY	P	P	P	P	P	P
10	0126ME131013	AMAN JAIN	P	P	P	P	P	P
11	0126ME131014	AMAN KUMAR VAISHY	P	P	P	P	P	P
12	0126ME131015	AMIT GOUR	P	P	P	P	P	P
13	0126ME131016	AMIT KUMAR	P	P	P	P	P	P
14	0126ME131017	AMIT RAO	P	P	P	P	P	P
15	0126ME131018	AMIT SHRIVASTAVA	P	P	P	P	P	P
16	0126ME131021	ANIL KUMAR	P	P	P	P	P	P
17	0126ME131023	ANIRUDDH SINGH RATHOD	P	P	P	P	P	P
18	0126ME131025	ANKUSH KUMAR	P	P	P	P	P	P
19	0126ME131027	ARPIT PUROHIT	P	P	P	P	P	P
20	0126ME131028	ARPIT SHRIVASTAVA	P	P	P	P	P	P
21	0126ME131029	ARUN KUMAR	P	P	P	P	P	P
22	0126ME131030	ARUNENDRA SINGH	P	P	P	P	P	P
23	0126ME131031	ASHISH KUMAR LAKHERA	P	P	P	P	P	P
24	0126ME131033	ASHUTOSH KUMBHALWAR	P	P	P	P	P	P
25	0126ME131035	AYUSH SINGH THAKUR	P	P	P	P	P	P
26	0126ME131036	BHUPENDRA SONI	P	P	P	P	P	P
27	0126ME131037	BONEY AUGUSTINE	P	P	P	P	P	P
28	0126ME131038	DEEPAK KUMAR	P	P	P	P	P	P
29	0126ME131039	DEEPAK KUSHIWAHA	P	P	P	P	P	P
30	0126ME131040	DEEPAK SINGH BHADOURIYA	P	P	P	P	P	P
31	0126ME131042	DEWENDRA KUMAR	P	P	P	P	P	P
32	0126ME131043	DHARMENDRA BHARTI	P	P	P	P	P	P
33	0126ME131044	GAURAV DIXIT	P	P	P	P	P	P
34	0126ME131045	GAUTAM RANJAN	P	P	P	P	P	P
35	0126ME131046	GIRIRAJ KISHORE	P	P	P	P	P	P
36	0126ME131047	GULSHAN SINGH	P	P	P	P	P	P
37	0126ME131049	HARSH BOPCHIE	P	P	P	P	P	P
38	0126ME131050	HARSH KHANDELWAL	P	P	P	P	P	P
39	0126ME131051	HARSH KHATRA	P	P	P	P	P	P
40	0126ME131052	HARSH KUMAR	P	P	P	P	P	P
41	0126ME131053	HARSH PATEL	P	P	P	P	P	P
42	0126ME131054	HARSH RAI	P	P	P	P	P	P
43	0126ME131055	HARSH SAHU	P	P	P	P	P	P
44	0126ME131056	HARSH SAHU	P	P	P	P	P	P
45	0126ME131057	HARSHANDRA MEHTA	P	P	P	P	P	P
46	0126ME131058	HEMANT KUMAR SAHU	P	P	P	P	P	P



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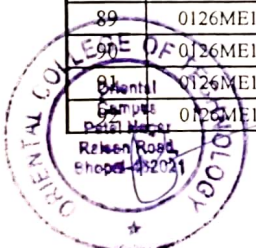


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Department of Mechanical Engineering

Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
47	0126ME131059	HIMANSHU KHAIRNAR	P	P	P	P	P	P
48	0126ME131060	JAY SHANKAR	P	P	P	P	P	P
49	0126ME131061	KAMAL SALITRA	P	P	P	P	P	P
50	0126ME131062	KAPIL PATIDAR	P	P	P	P	P	P
51	0126ME131064	LOVE DUBEY	P	P	P	P	P	P
52	0126ME131065	MANISH KUMAR	P	P	P	P	P	P
53	0126ME131066	MAYANK PRAJAPATI	P	P	P	P	P	P
54	0126ME131067	MAYANK SONI	P	P	P	P	P	P
55	0126ME131068	MAYUR LAAD	P	P	P	P	P	P
56	0126ME131069	MAYUR LIKHITKAR	P	P	P	P	P	P
57	0126ME131070	MOHAMMAD ARIF RIZVI	P	P	P	P	P	P
58	0126ME131071	MOHAMMAD GULZAR KHAN	P	P	P	P	P	P
59	0126ME131072	MOHAMMAD YOUSUF KHAN	P	P	P	P	P	P
60	0126ME131073	NAIVEDHYA TIWARI	P	P	P	P	P	P
61	0126ME131074	NAUSHAD AKHTAR	P	P	P	P	P	P
62	0126ME131076	NITIN SAHU	P	P	P	P	P	P
63	0126ME131077	PANKAJ DIXIT	P	P	P	P	P	P
64	0126ME131080	PRANAV CHATURVEDI	P	P	P	P	P	P
65	0126ME131081	PRANJAL SHRIVASTAVA	P	P	P	P	P	P
66	0126ME131082	PRASHANT TAGDE	P	P	P	P	P	P
67	0126ME131083	PRATEEK SINGH	P	P	P	P	P	P
68	0126ME131084	PRIYANKA KUMARI	P	P	P	P	P	P
69	0126ME131085	PUSHPENDRA KUMAR GAUTAM	P	P	P	P	P	P
70	0126ME131086	RAHUL SHARMA	P	P	P	P	P	P
71	0126ME131087	RAJAT UNNITHAN	P	P	P	P	P	P
72	0126ME131091	RANJEET SINGH	P	P	P	P	P	P
73	0126ME131093	ROHIT KOICHE	P	P	P	P	P	P
74	0126ME131094	ROHIT YADAV	P	P	P	P	P	P
75	0126ME131095	RUPESH PATIL	P	P	P	P	P	P
76	0126ME131096	SAJAL JOSHI	P	P	P	P	P	P
77	0126ME131097	SANDEEP KUMAR	P	P	P	P	P	P
78	0126ME131098	SANJAY CHOUHAN	P	P	P	P	P	P
79	0126ME131099	SANJEEV PRAKASH	P	P	P	P	P	P
80	0126ME131100	SANYAM JAIN	P	P	P	P	P	P
81	0126ME131101	SARSIJ SONI	P	P	P	P	P	P
82	0126ME131102	SATYAM SONI	P	P	P	P	P	P
83	0126ME131104	SHIVENDRA KUMAR PANDEY	P	P	P	P	P	P
84	0126ME131105	SHUBHAM BARDIYA	P	P	P	P	P	P
85	0126ME131106	SHUBHAM PANDEY	P	P	P	P	P	P
86	0126ME131107	SHUBHAM PATEL	P	P	P	P	P	P
87	0126ME131108	SOURABH SINGH PATEL	P	P	P	P	P	P
88	0126ME131109	SRAJAN JAIN	P	P	P	P	P	P
89	0126ME131110	SUBODH KUMAR	P	P	P	P	P	P
90	0126ME131111	SUMIT VYAS	P	P	P	P	P	P
91	0126ME131113	SURAJ KUMAR	P	P	P	P	P	P
92	0126ME131114	SURAJ KUSHIWAH	P	P	P	P	P	P



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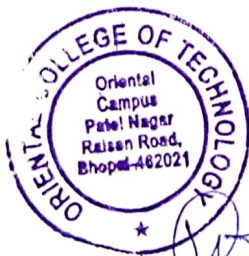


Oriental College of Technology Bhopal

Department of Mechanical Engineering

Attendance sheet for value added course on 3D printing and 3D scanning

S. No.	ENROLLMENT NO	NAME	14-11-2016	15-11-2016	16-11-2016	17-11-2016	18-11-2016	19-11-2016
93	0126ME131115	SURAJ PANDEY	P	P	P	P	P	P
94	0126ME131116	SURAJ VERMA	P	P	P	P	P	P
95	0126ME131117	SWADESH SINGH SIKARWAR	P	P	P	P	P	P
96	0126ME131118	SWATI PACHORY	P	P	P	P	P	P
97	0126ME131119	TAUSHIF AHMAD	P	P	P	P	P	P
98	0126ME131120	VIKAS UIKEY	P	P	P	P	P	P
99	0126ME131121	VIKASH KUMAR	P	P	P	P	P	P
100	0126ME131122	VINAY KUMAR PATEL	P	P	P	P	P	P
101	0126ME131123	VISHAL PATEL	P	P	P	P	P	P




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Mechanical Engineering Department

Value Added Course: 3D PRINTING & 3D SCANNING [14-19, Nov-2016]

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	0126IT131087	SHWETA MAHAJAN	32	45	77	Eligible
2	0126ME131001	ABDUL RAHMAN	31	47.5	78.5	Eligible
3	0126ME131002	ABHILASH KUMAR MISHRA	A	A	A	Not Eligible
4	0126ME131003	ABHISHEK GAUND	32	45	77	Eligible
5	0126ME131004	ABHISHEK MISHRA	31	47.5	78.5	Eligible
6	0126ME131005	ABHISHEK PRATAP SINGH	42	40	82	Eligible
7	0126ME131008	ADITYA JAISWAL	45	47.5	92.5	Eligible
8	0126ME131009	ADITYA RAWAT	45	40	85	Eligible
9	0126ME131010	AKASH CHOUBEY	A	A	A	Not Eligible
10	0126ME131013	AMAN JAIN	37	40	77	Eligible
11	0126ME131014	AMAN KUMAR VAISHY	32	45	77	Eligible
12	0126ME131015	AMIT GOUR	31	47.5	78.5	Eligible
13	0126ME131016	AMIT KUMAR	42	40	82	Eligible
14	0126ME131017	AMIT RAO	35	40	75	Eligible
15	0126ME131018	AMIT SHRIVASTAVA	38	40	78	Eligible
16	0126ME131021	ANIL KUMAR	32	45	77	Eligible
17	0126ME131023	ANIRUDDH SINGH RATHOD	31	47.5	78.5	Eligible
18	0126ME131025	ANKUSH KUMAR	42	40	82	Eligible
19	0126ME131027	ARPIT PUROHIT	32	45	77	Eligible
20	0126ME131028	ARPIT SHRIVASTAVA	26	40	66	Eligible
21	0126ME131029	ARUN KUMAR	28	40	68	Eligible
22	0126ME131030	ARUNENDRA SINGH	35	42.5	77.5	Eligible
23	0126ME131031	ASHISH KUMAR LAKHERA	A	A	A	Not Eligible
24	0126ME131033	ASHUTOSH KUMBHALWAR	32	45	77	Eligible
25	0126ME131035	AYUSH SINGH THAKUR	31	47.5	78.5	Eligible
26	0126ME131036	BHUPENDRA SONI	42	40	82	Eligible
27	0126ME131037	BONEY AUGUSTINE	30	30	60	Eligible
28	0126ME131038	DEEPAK KUMAR	35	35	70	Eligible
29	0126ME131039	DEEPAK KUSHWAHA	32	45	77	Eligible
30	0126ME131040	DEEPAK SINGH BHADOURIYA	38	40	78	Eligible



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31	0126ME131042	DEWENDRA KUMAR	37	40	77	Eligible
32	0126ME131043	DHARMENDRA BHARTI	A	A	A	Not Eligible
33	0126ME131044	GAURAV DIXIT	32	45	77	Eligible
34	0126ME131045	GAUTAM RANJAN	31	47.5	78.5	Eligible
35	0126ME131046	GIRIRAJ KISHORE	42	40	82	Eligible
36	0126ME131047	GULSHAN SINGH	A	A	A	Not Eligible
37	0126ME131049	HARSH BOPCHE	35	35	70	Eligible
38	0126ME131050	HARSH KHANDELWAL	32	45	77	Eligible
39	0126ME131051	HARSH KHATRA	38	40	78	Eligible
40	0126ME131052	HARSH KUMAR	35	35	70	Eligible
41	0126ME131053	HARSH PATEL	32	45	77	Eligible
42	0126ME131054	HARSH RAI	31	47.5	78.5	Eligible
43	0126ME131055	HARSH SAHU	42	40	82	Eligible
44	0126ME131056	HARSH SAHU	35	35	70	Eligible
45	0126ME131057	HARSHANDRA MEHTA	32	45	77	Eligible
46	0126ME131058	HEMANT KUMAR SAHU	38	40	78	Eligible
47	0126ME131059	HIMANSHU KHAIRNAR	31	47.5	78.5	Eligible
48	0126ME131060	JAY SHANKAR	40	42.5	82.5	Eligible
49	0126ME131061	KAMAL SALITRA	35	42.5	77.5	Eligible
50	0126ME131062	KAPIL PATIDAR	A	A	A	Not Eligible
51	0126ME131064	LOVE DUBEY	32	45	77	Eligible
52	0126ME131065	MANISH KUMAR	31	47.5	78.5	Eligible
53	0126ME131066	MAYANK PRAJAPATI	35	35	70	Eligible
54	0126ME131067	MAYANK SONI	32	45	77	Eligible
55	0126ME131068	MAYUR LAAD	38	40	78	Eligible
56	0126ME131069	MAYUR LIKHITKAR	37	40	77	Eligible
57	0126ME131070	MOHAMMAD ARIF RIZVI	38	40	78	Eligible
58	0126ME131071	MOHAMMAD GULZAR KHAN	35	35	70	Eligible
59	0126ME131072	MOHAMMAD YOUSUF KHAN	32	45	77	Eligible
60	0126ME131073	NAIVEDHYA TIWARI	38	40	78	Eligible
61	0126ME131074	NAUSHAD AKHTAR	26	40	66	Eligible
62	0126ME131076	NITIN SAHU	37	40	77	Eligible
63	0126ME131077	PANKAJ DIXIT	A	A	A	Not Eligible
64	0126ME131080	PRANAV CHATURVEDI	32	45	77	Eligible
65	0126ME131081	PRANJAL SHRIVASTAVA	31	47.5	78.5	Eligible
66	0126ME131082	PRASHANT TAGDE	35	35	70	Eligible

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67	0126ME131083	PRATEEK SINGH	42	40	82	Eligible
68	0126ME131084	PRIYANKA KUMARI	38	40	78	Eligible
69	0126ME131085	PUSHPENDRA KUMAR GAUTAM	35	35	70	Eligible
70	0126ME131086	RAHUL SHARMA	32	45	77	Eligible
71	0126ME131087	RAJAT UNNITHAN	38	40	78	Eligible
72	0126ME131091	RANJEET SINGH	40	42.5	82.5	Eligible
73	0126ME131093	ROHIT KOICHE	35	42.5	77.5	Eligible
74	0126ME131094	ROHIT YADAV	26	40	66	Eligible
75	0126ME131095	RUPESH PATIL	A	A	A	Not Eligible
76	0126ME131096	SAJAL JOSHI	35	42.5	77.5	Eligible
77	0126ME131097	SANDEEP KUMAR	32	45	77	Eligible
78	0126ME131098	SANJAY CHOUHAN	31	47.5	78.5	Eligible
79	0126ME131099	SANJEEV PRAKASH	37	40	77	Eligible
80	0126ME131100	SANYAM JAIN	38	40	78	Eligible
81	0126ME131101	SARSIJ SONI	32	45	77	Eligible
82	0126ME131102	SATYAM SONI	40	42.5	82.5	Eligible
83	0126ME131104	SHIVENDRA KUMAR PANDEY	35	35	70	Eligible
84	0126ME131105	SHUBHAM BARDIYA	32	45	77	Eligible
85	0126ME131106	SHUBHAM PANDEY	38	40	78	Eligible
86	0126ME131107	SHUBHAM PATEL	31	47.5	78.5	Eligible
87	0126ME131108	SOURABH SINGH PATEL	40	42.5	82.5	Eligible
88	0126ME131109	SRAJAN JAIN	35	35	70	Eligible
89	0126ME131110	SUBODH KUMAR	42	40	82	Eligible
90	0126ME131111	SUMIT VYAS	A	A	A	Not Eligible
91	0126ME131113	SURAJ KUMAR	35	42.5	77.5	Eligible
92	0126ME131114	SURAJ KUSHWAH	26	40	66	Eligible
93	0126ME131115	SURAJ PANDEY	32	45	77	Eligible
94	0126ME131116	SURAJ VERMA	31	47.5	78.5	Eligible
95	0126ME131117	SWADESH SINGH SIKARWAR	A	A	A	Not Eligible
96	0126ME131118	SWATI PACHORY	26	40	66	Eligible
97	0126ME131119	TAUSHIF AHMAD	35	35	70	Eligible
98	0126ME131120	VIKAS UIKEY	32	45	77	Eligible
99	0126ME131121	VIKASH KUMAR	38	40	78	Eligible
100	0126ME131122	VINAY KUMAR PATEL	A	A	A	Not Eligible
101	0126ME131123	VISHAL PATEL	40	42.5	82.5	Eligible



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COURSE EVALUATION/ FEEDBACK FORM

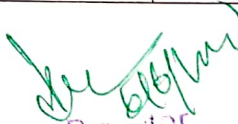
Value Added Course	3D PRINTING & 3D SCANNING
Date:	14-19,Nov-2016
Program Location:	Oriental College of Technology, Bhopal
Presenter(s):	Mr. Shahnawaz Ansari

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

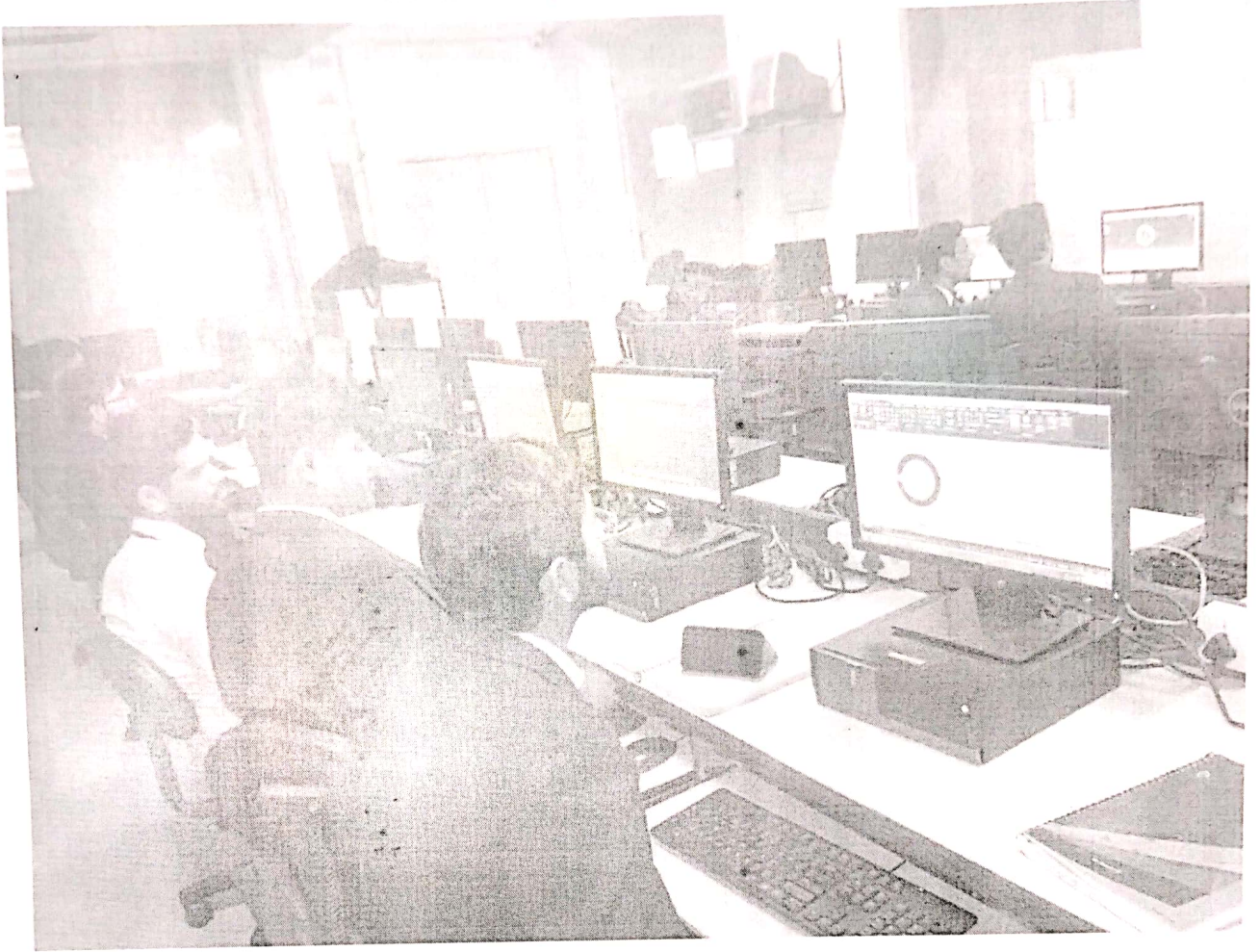
1. The Course objectives were stated clearly and met.	4 3 2 1
2. The Course was well organized.	4 3 2 1
3. The information and/or skills presented were relevant and useful	4 3 2 1
4. The presenter(s) provided adequate time for questions and answered them effectively.	4 3 2 1
5. The presenter(s) allowed 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




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3D Printing & 3D Scanning

November 14, to November 19, 2016.



[Handwritten Signature]
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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]

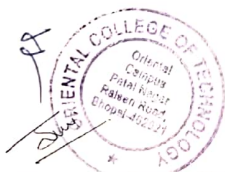


Session: 2016-17

Department of Mechanical Engineering

CERTIFICATE

This is to certify that Mr./Ms. SANJAY CHOUHAN student Of 4th YEAR, OCT, Bhopal, has Completed the “Value Added Course” on “3D printing & 3D scanning” during 14-19,Nov-2016, organized by Department of Mechanical Engineering, Oriental College of Technology, Bhopal.



Coordinator, ME, OCT

Y. Sen

HOD, ME, OCT

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

[Signature]
Director, OCT

ORIENTAL COLLEGE OF TECHNOLOGY, BHOPAL

Department of Mechanical Engineering



Report on Value Added Course on “3D Printing & 3D Scanning”

Date and Time: November 14, to November 19, 2016.

Venue: ME,OCT Campus.

Organized by: ME,OCT,Bhopal.

Name of the Speakers

- Mr. Shahnawaz Ansari , Assistant Professor, ME, OCT
- Mr. Abdul Hamid Khan, Assistant Professor, ME, OCT
- Mr. Adarsh Sachdeva, 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. Abdul Hamid Khan, Assistant Professor, ME, OCT & Mr. Adarsh Sachdeva, Assistant Professor, ME, OCT in 30 Hrs. of 6-Day program.




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On **November 14**, the course started with the inaugural and presidential speech of Dr. N K Agarwal, Director, Oriental College of Technology. In his presidential speech he emphasized on the need to collaborate the academic and the non academic education.

On **November 14**, Mr. Shahnawaz Ansari, Course coordinator has given Introduction to 3D Printing & 3D Scanning with Simple Programming Task. Mr. Adarsh Sachdeva, 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. Abdul Hamid Khan. He had explained the need for every student to have skills to get a job.

On **November 15**, Mr. Adarsh Sachdeva, explained, Stereo lithography apparatus (SLA): Models and specifications post photopolymers, polymerization, layering technology, laser and laser scanning explained by Mr. Abdul Hamid Khan. Later Models and specifications explained by Mr. Shahnawaz Ansari.

On **November 16**, Mr. Abdul Hamid Khan taught Laminated object manufacturing. Fused Deposition Modeling (FDM) explained by Mr. Adarsh Sachdeva and Case studies, practical demonstration explained by Mr. Shahnawaz Ansari.

On **November 17**, Mr. Adarsh Sachdeva explained, selective laser sintering (SLS) and case studies. Mr. Abdul Hamid Khan guided, students for Three dimensional printing (3DP). Models and specification, explained by Mr. Shahnawaz Ansari.


On **November 18**, practice sessions taken by the all speakers also given assignment to students on the same,

On **November 19**, 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. Adarsh Sachdeva and Mr. Abdul Hamid Khan.

At last, Prof. Girish kumar Khare, 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. Adarsh Sachdeva & Mr. Abdul Hamid Khan 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. Girish Kumar Khare
Course Convenor
ME, OCT




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