

**Add-on Course offered
2022-23**

A REPORT
on
An Add-on Course
on
“Intellectual Property Rights and Patent”
(AOC-DEP-ME-IPRP)
From
21th - 26th February 2023



Organized By:
Department of Mechanical
Ideal Institute of Technology, Wada



A handwritten signature in blue ink, appearing to read "Vikram N. ...".

Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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1. ADD-ON COURSE BROCHURE

IDEAL INSTITUTE OF TECHNOLOGY, WADA

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B. Tech courses. Candidate can pursue B. Tech, with the stream of Engineering. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE.

About the course

The Value-Added Course on Intellectual Property Rights (IPR) is designed to provide students with a comprehensive understanding of intellectual property laws, regulations, and best practices. Through interactive lectures, case studies, and practical exercises, students explore various aspects of IPR, including patents, trademarks, copyrights, and trade secrets. The course covers topics such as the importance of protecting intellectual property, the process of obtaining patents and trademarks, strategies for managing and enforcing intellectual property rights, and the implications of intellectual property infringement. Students also learn about the role of intellectual property in fostering innovation, entrepreneurship, and economic development.



Guest lectures by industry experts and legal professionals provide real-world insights into the practical application of IPR principles in different sectors. By the end of the course, students develop a deeper appreciation for the value of intellectual property and its significance in the modern global economy.

Schedule

25th-30th September 2023

Last date for registration 23rd September, 2023

Eligibility

Applicants should be of EXTC and EE.

Course Fee

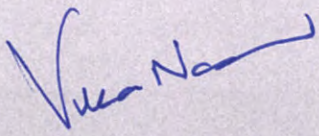
This course is totally free for institute students

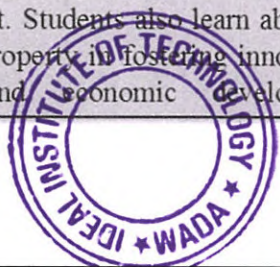
Contact Us

http://idealwada.com/about_mech.php

For course Registration and query:

For any query contact to HOD


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Ideal Institute of Technology, Wada

Department of Mechanical Engineering

Notice

Date: 08-02-2023

It is notified for all the students of EXTC and EE that the Department is going to organize Add-on Course on (AOC-DEP-ME-IPR) “Intellectual Property rights”, for final for their benefits in the near future. The duration of the course will be of 30 contact hours which will be covered from **21th - 26th February 2023**.

Interested bonafide students are advised to register themselves. **The last date of registration is 15-02-2023**. If any Query regarding add on course contact to head of department.

Note:

The course is free of cost.

Minimum 70% attendance is mandatory.

The successful candidates will be issued certificates by the college.



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2. ABOUT THE COURSE

Course Name: Intellectual Property Rights (AOC-DEP-MECH-IPRP)

Course Summary: Intellectual property is the currency of the tech world. The engineering patent for Lipitor generated over \$100 billion in revenue, the copyright for the Harry Potter franchise has generated over \$25 billion to date, and the trademarked brands of the world's largest tech companies now eclipse \$100 billion in value. But what makes these intangible assets so valuable. Through the courses in this specialization, you will learn the differences between the various forms of U.S. intellectual property rights, including patents, copyrights, and trademarks, and their various applications to human innovations. Drawing from that knowledge, you will then work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. After completing these hands-on projects, you will have the necessary framework to craft integrated intellectual property strategies tailored to an organization's core business goals.

Enrollment Criteria:

1. Participants must be interested and engineering student
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Identify different types of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways to create and to extract value from IP.
- b. Recognize the crucial role of IP in organizations of different industrial sectors for the purposes of product and technology development.
- c. Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the precautions steps to be taken to prevent infringement of proprietary rights in products and technology development.
- d. Be familiar with the processes of Intellectual Property Management (IPM) and various approaches for IPM and conducting IP and IPM auditing and explain how IP can be managed as a strategic resource and suggest IPM strategy.
- e. Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.
- f. Be able to demonstrate a capacity to identify, apply and assess ownership rights and marketing protection under intellectual property law as applicable to information, ideas, new products and product marketing;




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Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of intellectual properties (IPs) and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Intellectual Property (IP).
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from IP and leverage its value in new product and service development
- Exposing to the Legal management of IP and understanding of real life practice of IPM.

Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	7
2	Copyrights	7
3	Patents	7
4	Trademarks	7
5	Design Method and Other form of IP	7



BOOK REFERENCES

1. Intellectual Property Law" by Lionel Bently and Brad Sherman


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2. Understanding Intellectual Property Law" by Donald S. Chisum and Tyler T. Ochoa
3. Principles of Intellectual Property" by Rochelle C. Dreyfuss and Jane C. Ginsburg
4. Intellectual Property: A Very Short Introduction" by Siva Vaidhyanathan
5. Patent Law and Policy: Cases and Materials" by Robert Patrick Merges, John Fitzgerald Duffy, and Mark D. Janis.
6. Copyright Law: A Practitioner's Guide" by Lloyd J. Jassin and Steven C. Schechter
7. Trademark Law: A Practitioner's Guide" by Siegrun D. Kane



A handwritten signature in blue ink, appearing to read "Vikas N." with a stylized flourish at the end.

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S. No	Activity	Duration	Date	Time
1.	Basic concept of Intellectual Property Nature of Intellectual Property right	3 Hour	Feb21, 2023	10:00 AM to 01:00 PM
2.	Justifications for protection of Subject matter. Original literary	3 Hour	Feb21, 2023	02:00AM to 05:00 PM
3	Dramatic, musical, artistic work films, Sound, recordings	3 Hour	Feb22, 2023	10:00 AM to 01:00 PM
4	Term of copyright, Rights of owner Patent Act 1970-amendments of 1999,2000,2002 and 2005	3 Hour	Feb22, 2023	02:00AM to 05:00 PM
5	Patentable subject matter Process and patent protection	3 Hour	Feb23, 2023	10:00 AM to 01:00 PM
6	Patenting	3 Hour	Feb23, 2023	02:00PM to 05:00 PM
7	Introduction to Trademark Need for, Protection	3 Hour	Feb24, 2023	10:00 AM to 01:00 PM
8	Registration of trademark	3 Hour	Feb24, 2023	02:00PM to 05:00 PM
9	Meaning design protection	3 Hour	Feb25, 2023	10:00 AM to 01:00 PM
10	Concept of original design Trade-secret: Meaning. Criteria or Protection	3 Hour	Feb25, 2023	10:00AM to 01:00 PM



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S. N.	Student Name	PRN	Branch	Year
1	Ghodvinde Divesh Subhash	2022016402548872	EE	I
2	Sonawane Yugant Dilip	2022016402548887	EE	I
3	Aveduta Jatin Baurao	2022016402555117	EXTC	I
4	Kadam Vaibhav Rajaram	2022016402555214	EXTC	I
5	Gaikwad Amit Devrao	2022016402555125	EXTC	I
6	Wagh Sammit Shekhar	2022016402555195	EXTC	I
7	Gaikwad Mayur Santosh	2021016402226953	EE	II
8	Patil Bhavesh Ramchandra	2021016402227515	EE	II
9	Bhise Manoj Manik	2022016402554981	EE	II
10	Dalavi Mahesh Ashok	2022016402554795	EE	II
11	Gurav Chirag Brhmanand	2022016402555075	EE	II
12	Kakalia Percy Rustom	2022016402554965	EE	II
13	Megha Omkar Ankush	2022016402554876	EE	II
14	Patil Dhanay Santosh	2016016401303616	EE	II
15	Rikame Nishikant Pundlink	2022016402554926	EE	II
16	Sayyed Mohammed Talib	2022016402555013	EE	II
17	Lahange Harshad Shivram	2022016402555334	EXTC	II
18	Gholap Karan Jivan	2018016402536815	EE	III
19	Kokate Rohan Dnyaneshwar	2021016402243777	EE	III
20	Mate Jignesh Damoder	2019016400729687	EE	III
21	More Jatin Hemant	2021016402226937	EE	III
22	Patil Laukik Gajanan	2021016402240381	EE	III



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S. No.	Name of Student	PRN	1	2	3	4	5	6	7	8	9	10
1	Ghodvinde Divesh	2022016402548872	P	P	A	P	P	P	P	P	P	P
2	Sonawane Yugant Dilip	2022016402548887	P	P	P	A	P	P	P	P	P	P
3	Aveduta Jatin Baurao	2022016402555117	P	P	P	P	P	A	P	P	P	P
4	Kadam Vaibhav	2022016402555214	P	P	P	P	P	A	P	P	P	P
5	Gaikwad Amit Devrao	2022016402555125	P	P	P	P	P	P	P	P	P	P
6	Wagh Sammit Shekhar	2022016402555195	P	A	P	P	P	P	P	P	P	P
7	Gaikwad Mayur Santosh	2021016402226953	A	A	A	A	A	A	A	A	A	A
8	Patil Bhavesh	2021016402227515	P	P	P	P	P	A	P	P	P	P
9	Bhise Manoj Manik	2022016402554981	P	P	P	P	A	A	A	A	A	P
10	Dalavi Mahesh Ashok	2022016402554795	P	A	P	P	P	P	P	P	P	P
11	Gurav Chirag	2022016402555075	P	P	P	P	P	P	P	P	P	P
12	Kakalia Percy Rustom	2022016402554965	P	P	P	P	A	A	P	P	P	P
13	Megha Omkar Ankush	2022016402554876	P	P	P	P	P	P	P	P	P	P
14	Patil Dhanay Santosh	2016016401303616	P	P	P	P	P	P	P	P	A	P
15	Rikame Nishikant	2022016402554926	P	P	P	P	P	A	P	P	P	P
16	Sayyed Mohammed	2022016402555013	P	P	P	P	P	P	P	P	P	P
17	Lahange Harshad	2022016402555334	A	A	A	A	A	A	P	P	P	P
18	Gholap Karan Jivan	2018016402536815	P	P	P	P	P	P	P	P	P	P
19	Kokate Rohan	2021016402243777	P	P	P	P	P	P	P	P	P	P
20	Mate Jignesh Damoder	2019016400729687	P	P	P	P	P	A	P	P	P	P
21	More Jatin Hemant	2021016402226937	A	A	A	A	A	A	A	A	A	A
22	Patil Laukik Gajanan	2021016402240381	P	P	P	P	P	P	P	P	P	P



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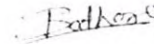
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

It is certify that Mr. Ghodvinde Divesh Subhash
ID: 2022016402548872 Year Ist Branch Electrical
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 25th
September -30th September, 2023.



HOD



Coordinator

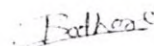
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

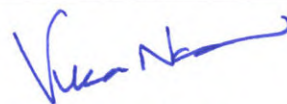
It is certify that Mr. Sonawane Yugant Dilip ID:
2022016402548887 Year Ist Branch Electrical
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 25th
September -30th September, 2023.



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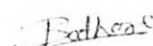
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

**It is certify that Mr. Aveduta Jatin Baurao ID:
2022016402555117 Year Ist Branch Electronics and
Telecommunication Engineering successfully completed
an Add-on Course on Intellectual Property Rights and
Patents Organised by Mechanical Engineering
Department from 25th September -30th September, 2023.**



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Coordinator

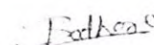
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

**It is certify that Mr. Kadam Vaibhav Rajaram
ID: 2022016402555214 Year Ist Branch Electronics and
Telecommunication Engineering successfully completed
an Add-on Course on Intellectual Property Rights and
Patents Organised by Mechanical Engineering
Department from 25th September -30th September, 2023.**

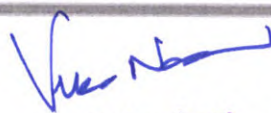


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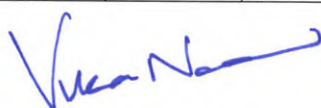



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7. FEED BACK ANALYSIS

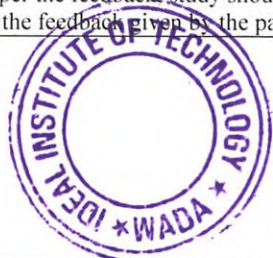
Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	30	4	3	2	1
The course content was:	30	5	3	2	0
The instructor's contribution to the course was:	33	3	2	2	0
The instructor's effectiveness in teaching the subject matter was:	34	3	2	1	0
Course Organization was:	33	5	2	0	0
Explanations by instructor were:	31	3	3	2	1
Instructor's use of examples and illustrations was:	31	4	3	2	0
Student's confidence in instructor's knowledge was:	30	5	3	2	0
Answers to student questions were:	30	4	3	2	1
Availability of extra help when needed was:	34	4	2	0	0
Instructor's interest in student's progress was:	32	4	2	2	0
Relevance of course content was:	34	3	2	1	0
Please give overall rating of the course	32	5	2	1	0




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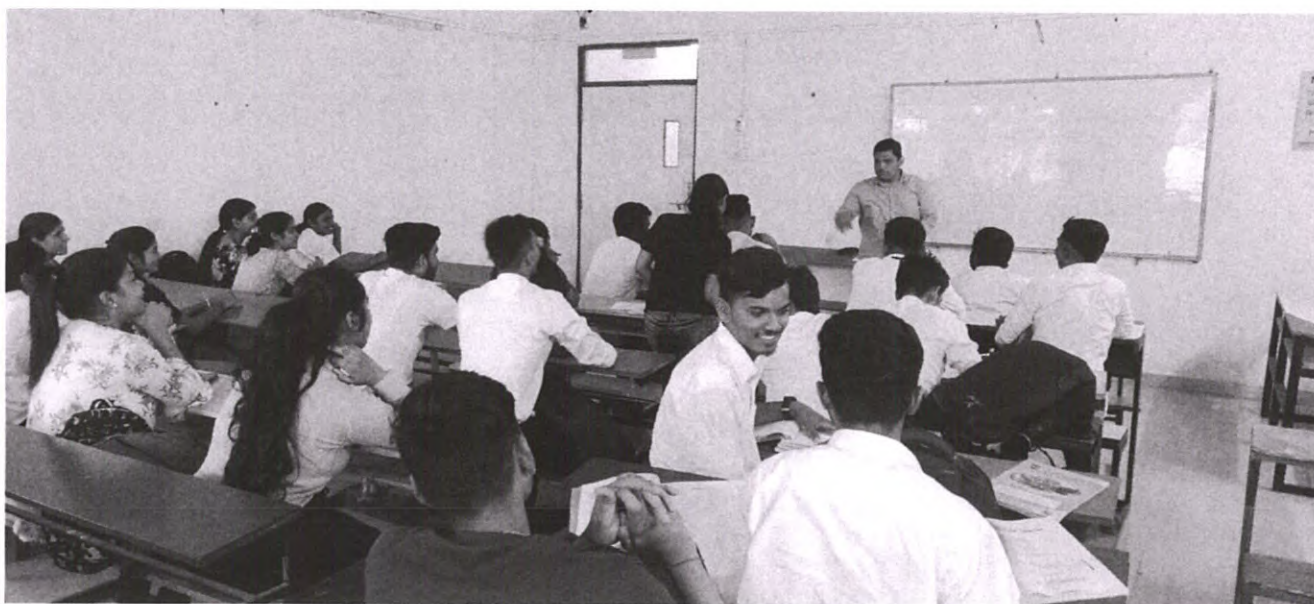
Sr.no.	Attributes		Total Feed Back				
			>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement				
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		75.0%	10.0%	7.5%	5.0%	2.5%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	5	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		75.0%	12.5%	7.5%	5.0%	0.0%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	3	2	2	0	Objective Achieved - Excellent & Very Good (90.0%)
		82.5%	7.5%	5.0%	5.0%	0.0%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	5	2	0	0	Objective Achieved - Excellent & Very Good (95.0%)
		82.5%	12.5%	5.0%	0.0%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	3	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		77.5%	7.5%	7.5%	5.0%	2.5%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	4	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		77.5%	10.0%	7.5%	5.0%	0.0%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	5	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		75.0%	12.5%	7.5%	5.0%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		75.0%	10.0%	7.5%	5.0%	2.5%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	2	0	0	Objective Achieved - Excellent & Very Good (95.0%)
		85.0%	10.0%	5.0%	0.0%	0.0%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	4	2	2	0	Objective Achieved - Excellent & Very Good (90.0%)
		80.0%	10.0%	5.0%	5.0%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	5.0%	2.5%	0.0%	

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.



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8. PHOTO



Vivek Nam

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2022-23

A Report of

Add on Course

On

"Air and Water Pollution"
(AOC-DEP-CE-AWP)

February 21, 2023 to February 26, 2023

Coordinated by

Ms. Yogini Patil

Organized by



Department of Civil Engineering

Ideal Institute of Technology,

Posheri, Wada- 421303




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1. Add on Course Brochure

About the College:

Ideal Institute of Technology, Wada is an AICTE approved engineering college, established in 2013 under the umbrella of Ideal Foundation. The institute is approved by All India Council of Technical Education(AICTE), New Delhi, recognized by Government of Maharashtra and is affiliated to University of Mumbai. Ideal Institute of Technology has laid its foundation in the serene and picturesque setting of Posheri Village of Wada taluka. With the untiring efforts of the management, this college has been successful in creating educational and economic possibilities in the adjacent rural communities and in providing a refined education system.

Course Offered:

At Ideal Institute of Technology, we offer a 4-year B.E. degree program, approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to University of Mumbai, in the following discipline-

- Mechanical Engineering
- Computer Engineering
- Civil Engineering
- Electrical engineering
- Electronic & Telecommunication Engineering

About The Course:

Air and Water pollution both are very harmful to human existence on this planet. Air and water are the most precious natural resources which are present in abundance but we misuse and abuse them. The pollution in any of these has a serious effect on the lives of humans and animals alike. Air and water pollution if abused to the maximum level can't be turned back on immediately, several diseases and disorders previously unknown to humans have been identified as a consequence of air and water getting polluted with poisonous substances which are released from chemical and other such environment degrading industries. Like humans, the health of the planet is also getting affected when we choke the air it breezes and pollute the water that flows on it.




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IDEAL INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and DTE Maharashtra. Affiliated to University of Mumbai.

www.idealwada.com

Scope of Engineering as a Profession

Today, engineering is considered to be one of the most sought-after career choices for students studying in the Science stream. This is because this course allows individuals to develop skills and expertise which are required to lead a thriving career. By pursuing an engineering degree students can open doors to a plethora of career prospects. From Mechanical and Civil to Computer engineering and Electronics, every branch of engineering has something new in store for its aspirants

CIVIL ENGINEERING

Civil Engineering is another professional branch that deals with the design, construction, and maintenance of the physically built environment including parks, dams, bridges, roads, etc. Almost everything that you see on the city plan is the work of a civil engineer.

After completion of this degree, students get to work as:

- * Building Control Surveyor
- * CAD Technician
- * Consulting Civil Engineer
- * Contracting Civil Engineer
- * Design Engineer
- * Site Engineer
- * Structural Engineer
- * Water Engineer
- * Rural and Urban Transport Engineer.
- * Construction and Building Engineering




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Ideal Institute of Technology
Department of Civil Engineering

Notice

Date: 01/02/2023

It is notified for all the students of the Engineering Department is going to organize Add-on Course on (AOC-DEP-CE-AWP) "**Air and Water Pollution**", for their benefits in the near future. The duration of the course will be off 30 contact hours which will be covered in 1 week.

Interested bonafide students are advised to register themselves. **The last date of registration is 14-02-2023.** If any Query regarding add on course contact to Ms. Yogini Patil.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Ms. Yogini Patil
Co-ordinator




Mr. Vishal Kumar
HOD (Civil)


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District-Palghar, Maharashtra 421303

2. About the Course

Course Name: Air and Water Pollution (AOC-DEP-CE-AWP)

Course Summary: This course is designed to expose students to various aspects of environmental management and the concept of sustainability. The topics discussed include the principles of sustainable development, understanding the environmentally sensitive area particularly the natural water bodies, catchment management, development of coastal and inland areas. At the end of the course, the students should be able to understand the concept of Air and Water Pollution and present it through effective communication. The course enables the students to understand, plan and incorporate the concept of sustainability in environmental management.

Enrollment Criteria:

1. Participants must be interested and engineering student.
2. Must provide the NOC if from other department.

Course Outcomes:

- Understand the concept of Air and Water Pollution.
- Understand ecosystem and interdependence, food chain etc.
- Understand and interpret environment related legislations

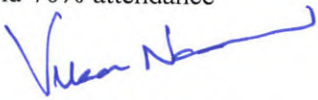
Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	-	-	3	3	-	-	-	-	2
CO2	3	3	3	3	3	-	-	-	3	3	-	3
CO3	3	3	3	3	3	-	-	-	2	2	-	3
CO4	3	3	3	3	3	2	2	2	3	3	-	3
CO5	3	3	2	2	-	3	-	-	-	-	-	2
CO6	3	3	2	-	-	-	-	-	-	-	-	-

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Duration: 30 Hours




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Module	Contents	Hours
1	Introduction the Air and Water Pollution Era	4
2	Air and Water Pollution Readiness Enabling Conditions	5
3	Air and Water Pollution Value Creation and Capture	5
4	Air and Water Pollution Cost Considerations	5
5	Business case consideration – Hypothetical model 220	5
6	Key message and position for the industry	6

REFERENCES:

1. A Handbook of Air and Water Pollution Edited by Jon C. Lovett and David G. Ockwell, Edward Elgar Publishing.
2. Environmental Management: Principles and Practice, C J Barrow, Routledge Publishers London, 1999.
3. Environmental Management: An Indian Perspective, S N Chary and Vinod Vyasulu, Macmillan India, 2000.
4. The Politics of Environmental Discourse: Ecological Modernisation and the Policy Process. Oxford, Oxford University Press.




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Report of Add on Course from
February 21, 2023 to February 26, 2023

Air and Water Pollution
(AOC-DEP-CE -AWP)

3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introduction the Air and Water Pollution Era	4 Hour	21-02-2023	10:00AM to 12:00 PM 1.00PM to 3.00PM
2.	Air and Water Pollution Readiness Enabling Conditions	5 Hour	22-02-2023	10:00AM to 1:00 PM 2:00PM to 4:00 PM
3	Air and Water Pollution Value Creation and Capture	5 Hour	23-02-2023	10:00AM to 1:00 PM 2:00PM to 4:00 PM
4	Air and Water Pollution Cost Considerations	5 Hour	24-02-2023	10:00AM to 1:00 PM 2:00PM to 4:00 PM
5	Business case consideration – Hypothetical model 220	5 Hour	25-02-2023	10:00AM to 1:00 PM 2:00PM to 4:00 PM
6	Key message and position for the industry	6 Hour	26-02-2023	9:30AM to 1:00 PM 2:00PM to 4:30 PM




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4. Enrolled Students List

S.N.	Enrollment No /PRN	Name
1	2020016402245357	BHOIR SEJAL SANJEEV
2	2020016402245342	CHAUDHARI SWAPNALI EKNATH
3	2020016402245326	DANDEKAR JANMESH KISHOR
4	2020016402245334	DHANGAR ROSHAN JAGDISH
5	2020016402129895	PATIL SHUBHAM BHAI
6	2021016402240357	PAWAR SUMIT ARVIND
7	2021016402241496	RAUT HARSHAL RAJARAM
8	2020016402127293	RAUT VAIBHAV SURESH
9	2021016402240326	SAMBARE VISHAL SUDAM
10	2021016402240373	SATAVE SAURABH AVINASH
11	2021016402227875	TAMORE RAJ VIKAS
12	2021016402225087	TUMBADA ROHIT BHASKAR
13	2015016402236372	ARAJ HARSHAL CHANDRAKANT
14	2015016401551274	DADMAL RANJIT SAMBHAJI
15	2020016402245164	DAWANE CHADAN SANJAY
16	2019016402352063	DHODIYA JAYDEEP PURUSHOTTAM
17	2020016402247437	GAHALA AJAY SADU
18	2020016402245253	GAIKWAD VAIBHAV VITTHAL
19	2020016402247186	GAWAI GAURAV ARUN
20	2020016402245156	GIMBHAL CHIRAG JAGAN
21	2020016402245125	JHA SHIV DAYANAND
22	2020016402247221	KAMADI BHUSHAN NARAYAN



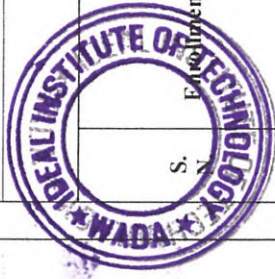
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Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421803

5. Attendance sheets of Enrolled students

Ideal Institute of Technology									
Department of Civil Engineering									
V Sem. Add on Course on: Air and Water Pollution									
S. No.	Enrollment No./PRN	Name	Attendance						
			Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	
1	2020016402245357	BHOIR SEJAL SANJEEV	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
2	2020016402245342	CHAUDHARI SWAPNALI EKNATH	Swarnali	Swarnali	Swarnali	Swarnali	Swarnali	Swarnali	Swarnali
3	2020016402245326	DANDEKAR JANMESH KISHOR	Janmesh	—	Janmesh	—	Janmesh	Janmesh	Janmesh
4	2020016402245334	DHANGAR ROSHAN JAGDISH	Roshan	Roshan	—	Roshan	Roshan	Roshan	Roshan
5	2020016402129895	PATIL SHUBHAM BHAI	Spitil	Spitil	Spitil	Spitil	Spitil	Spitil	Spitil
6	2021016402240357	PAWAR SUMIT ARVIND	Spawar	Spawar	Spawar	—	—	Spawar	Spawar
7	2021016402241496	RAUT HARSHAL RAJARAM	Raut	Raut	Raut	Raut	—	Raut	Raut
8	2020016402127293	RAUT VAIBHAV SURESH	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
9	2021016402240326	SAMBARE VISHAL SUDAM	Vambare	Vambare	Vambare	Vandare	Vambare	—	—



Report of Add on Course from
February 21, 2023 to February 26, 2023

Air and Water Pollution
(AOC-DEP-CE -AWP)

10	2021016402240373	SATAVE SAURABH AVINASH	Sata	Sata	Sata	Sata	Sata	Sata	Sata
11	2021016402227875	TAMORE RAJ VIKAS	Raj	Raj	Raj	Raj	Raj	Raj	Raj
12	2021016402225087	TUMBADA ROHIT BHASKAR	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
13	2015016402236372	ARAJ HARSHAL CHANDRAKANT	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh
14	2015016401551274	DADMAL RANJIT SAMBHAJI	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit	Ranjit
15	2020016402245164	DAWANE CHADAN SANJAY	Chandan	Chandan	Chandan	Chandan	Chandan	Chandan	Chandan
16	2019016402352063	DHODIYA JAYDEEP PURUSHOTTAM	Jaydeep	Jaydeep	Jaydeep	Jaydeep	Jaydeep	Jaydeep	Jaydeep
17	2020016402247437	GAHALA AJAY SADU	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
18	2020016402245253	GAIKWAD VAIBHAV VITTHAL	Vibhav	Vibhav	Vibhav	Vibhav	Vibhav	Vibhav	Vibhav
19	2020016402247186	GAWAI GAURAV ARUN	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
20	2020016402245156	GIMBHAL CHIRAG JAGAN	Chirag	Chirag	Chirag	Chirag	Chirag	Chirag	Chirag
21	2020016402245125	JHA SHIV DAYANAND	Shiv	Shiv	Shiv	Shiv	Shiv	Shiv	Shiv
22	2020016402247221	KAMADI BHUSHAN NARAYAN	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan



Vivek Sharma
Principal
Ideal Institute of Technology
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District Paigdar, Maharashtra 42.

Report of Add on Course from
February 21, 2023 to February 26, 2023

Air and Water Pollution
(AOC-DEP-CE -AWP)

Marks of Eligible Candidate

S. N.	Enrollment No /PRN	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	2020016402245357	BHOIR SEJAL SANJEEV	8	8	9	25
2	2020016402245342	CHAUDHARI SWAPNALI EKNATH	5	9	8	22
3	2020016402245326	DANDEKAR JANMESH KISHOR	5	5	5	15
4	2020016402245334	DHANGAR ROSHAN JAGDISH	4	8	5	17
5	2020016402129895	PATIL SHUBHAM BHAI	7	7	5	19
6	2021016402240357	PAWAR SUMIT ARVIND	7	5	2	14
7	2021016402241496	RAUT HARSHAL RAJARAM	9	5	8	22
8	2020016402127293	RAUT VAIBHAV. SURESH	8	8	9	25
9	2021016402240326	SAMBARE VISHAL SUDAM	5	8	5	18
10	2021016402240373	SATAVE SAURABH AVINASH	8	5	4	17
11	2021016402227875	TAMORE RAJ VIKAS	7	5	7	19
12	2021016402225087	TUMBADA ROHIT BHASKAR	5	2	8	15
13	2015016402236372	ARAJ HARSHAL CHANDRAKANT	5	8	9	22
14	2015016401551274	DADMAL RANJIT SAMBHAJI	8	9	8	25
15	2020016402245164	DAWANE CHADAN SANJAY	9	8	5	22
16	2019016402352063	DHODIYA JAYDEEP PURUSHOTTAM	5	8	5	18
17	2020016402247437	GAHALA AJAY SADU	6	9	5	20
18	2020016402245253	GAIKWAD VAIBHAV VITTHAL	5	9	4	18
19	2020016402247186	GAWAI GAURAV ARUN	8	9	1	18
20	2020016402245156	GIMBHAR CHIRAG JAGAN	5	6	9	20
21	2020016402245125	JHA SHIV DAYANAND	4	5	9	18
22	2020016402247221	KAMADI BHUSHAN NARAYAN	1	8	9	18

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Department of Civil Engineering
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6. Certificate



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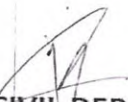
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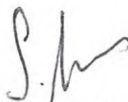
This is Certify that

PAWAR SUMIT ARVIND

*Has successfully completed the Air and Water Pollution
course on 26 feb 2023.*


CO-ORDINATOR


HOD of CIVIL DEPARTMENT


PRINCIPAL




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Certificate of Completion

This is Certify that

SHINDE ANIKET VILAS

*Has successfully completed the Air and Water Pollution
course on 9th February 2019.*

CO-ORDINATOR

HOD of CIVIL DEPARTMENT

PRINCIPAL

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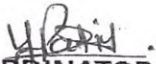
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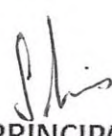
This is Certify that

GAIKWAD VAIBHAV VITTHAL

*Has successfully completed the Air and Water Pollution
course on 26th February 2023.*


CO-ORDINATOR


HOD of CIVIL DEPARTMENT


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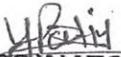
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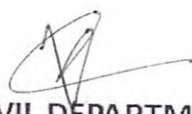
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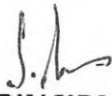
This is Certify that

DHANGAR ROSHAN JAGDISH

*Has successfully completed the Air and Water Pollution
course on 26th February 2023.*


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HOD of CIVIL DEPARTMENT


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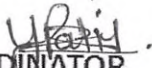
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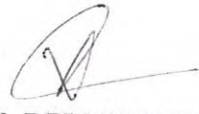
Certificate of Completion

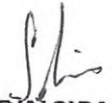
This is Certify that

TAMORE RAJ VIKAS

*Has successfully completed the Air and Water Pollution
course on 26th February 2023.*


CO-ORDINATOR


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7. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	19	2	1	0	0
The course content was:	3	18	0	1	0
The instructor's contribution to the course was:	9	9	3	1	0
The instructor's effectiveness in teaching the subject matter was:	15	5	2	0	0
Course Organization was:	16	6	0	0	0
Explanations by instructor were:	16	5	1	0	0
Instructor's use of examples and illustrations was:	15	4	2	0	
Student's confidence in instructor's knowledge was:	14	5	2	1	0
Answers to student questions were:	18	4	0	0	0
Availability of extra help when needed was:	19	3	0	0	0
Instructor's interest in student's progress was:	20	1	1	0	0
Relevance of course content was:	21	0	1	0	0
Please give overall rating of the course	18	3	1	0	0



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Report of Add on Course from
February 21, 2023 to February 26, 2023

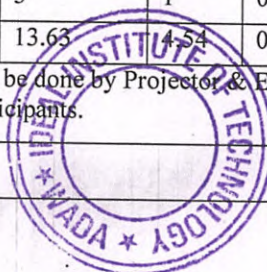
Air and Water Pollution
(AOC-DEP-CE -AWP)

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%, Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		19	2	1	0	0	Objective Achieved -95.45
		86.36	9.09	4.54	0	0	Excellent & Very Good (%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		3	18	0	1	0	Objective Achieved -95.44
		13.63	81.81	0	4.54	0	Excellent & Very Good (%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		9	9	3	1	0	Objective Achieved -81.80
		40.90	40.90	13.63	4.54	0	Excellent & Very Good (%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		15	5	2	0	0	Objective Achieved -90.90
		68.18	22.72	9.09	0	0	Excellent & Very Good (%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		16	6	0	0	0	Objective Achieved -99.99
		72.72	27.27	0	0	0	Excellent & Very Good (%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		16	5	1	0	0	Objective Achieved -94.99
		72.72	22.72	4.54	0	0	Excellent & Very Good (%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		15	4	2	0	0	Objective Achieved -86.36
		68.18	18.18	9.09	0	0	Excellent & Very Good (%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		14	5	2	1	0	Objective Achieved -86.35
			22.72	9.09	4.54	0	Excellent & Very Good (%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		18	4	0	0	0	Objective Achieved -99.99
		81.81	18.18	0	0	0	Excellent & Very Good (%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		19	3	0	0	0	Objective Achieved -99.99
		86.36	13.63	0	0	0	Excellent & Very Good (%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		20	1	1	0	0	Objective Achieved -95.44
		90.90	4.54	4.54	0	0	Excellent & Very Good (%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		21	0	1	0	0	Objective Achieved -95.45
		95.45	0	4.54	0	0	Excellent & Very Good (%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		18	3	1	0	0	Objective Achieved -95.44
		81.81	13.63	4.54	0	0	Excellent & Very Good (%)

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

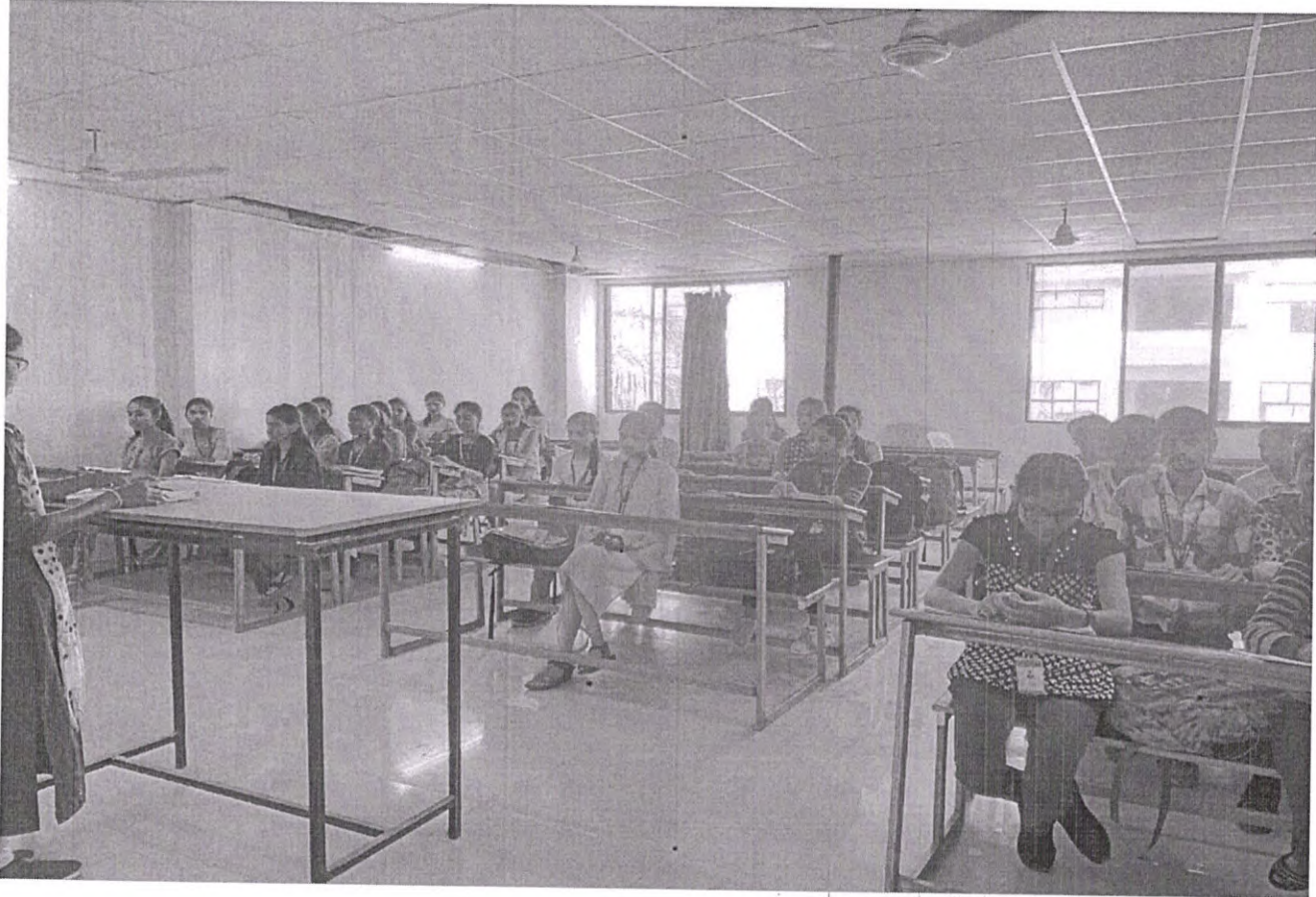
Ideal Institute of Technology, Maharashtra

Department of Civil Engineering



Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,

8. Course Session Photo



Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

A Report of

Value Added

Course On

**“Autonomous Vehicles”
(VAC-ENGG-ME-AV)**

21th - 26th February, 2023

Coordinated by

Mr. Dheeraj Joshi

Organized by



Department of Mechanical Engineering

IDEAL INSTITUTE OF TECHNOLOGY

State- Maharashtra, (India)



Vijay N. Joshi
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Marks of Eligible Candidate
7. Sample Certificate
8. Course Session Photos
9. Student feedback for course



Vivek N...
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

1. Value added Course Brochure

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B.E. courses. Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering, Electrical Engineering. Courses offered by institute are approving AICTE and affiliated to University of Mumbai.

About the Course

The value-added course on Autonomous Vehicles is designed to provide students with a comprehensive understanding of the technology, principles, challenges, and applications of autonomous vehicles (AVs). Through a blend of theoretical knowledge and practical exercises, students will explore the intricate components and systems that enable vehicles to operate autonomously. The course aims to equip learners with the skills and insights necessary to navigate the evolving landscape of transportation, automation, and mobility.




Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

**Ideal College of Engineering
Department of Mechanical Engineering**

Notice

Date: 13/02/2023

It is notified the Department is going to organize Add-on Course on (VAC-ENGG-MECH-AV) **“Autonomous Vehicles”**. The duration of the course will be **off 35 contact hours** which will be covered in a week.

Interested bonafide students are advised to register themselves. **The last date of registration is 18/02/2023**. If any Query regarding add on course contact to Mr. Dheeraj Kumar.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Pankaj Kumar
HOD (Mechanical)




Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

2. About the Course

Course Name: Autonomous Vehicles (AOC-ENGG-ME-AV)

Course Summary: Research and Development (R & D) plays a vital role in the overall progress of a country. The quality of research in the field of science and technology help in progressive growth of society in all the aspects. Research either in experimental and theoretical form is always appreciated, because without the support of theoretical research it is very difficult to achieve the goals within the stipulated time. A Autonomous Vehicles gives validity to the research and also provides scientifically sound findings. It also provides a detailed plan that helps to keep researchers on track, making the process smooth, effective and manageable. The findings of research need acceptability before its practical application in the industry or society. Focus of the course is to equip the students with fundamentals of Autonomous Vehicles. The objective is to make students aware of research ethics that must be followed while pursuing research work.

Enrollment Criteria:

1. Participants must be interested and engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Understand the foundational principles of autonomous vehicle technology, including sensing, perception, decision-making, and control systems.
- b. Explore the various levels of automation in vehicles and distinguish between semi-autonomous and fully autonomous driving capabilities.
- c. Analyze the societal, economic, and environmental impacts of autonomous vehicles on transportation systems, urban planning, and sustainability.
- d. Evaluate the legal, ethical, and regulatory frameworks governing the deployment and operation of autonomous vehicles in different jurisdictions.
- e. Gain hands-on experience in programming, simulation, and testing of autonomous vehicle algorithms and software platforms.
- f. Collaborate in interdisciplinary teams to develop innovative solutions and applications leveraging autonomous vehicle technology.



g. Critically assess the safety, reliability, and cybersecurity challenges associated with autonomous vehicles and propose mitigation strategies.

h. Investigate emerging trends, research developments, and industry advancements shaping the future of autonomous mobility.

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of research techniques and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Autonomous Vehicles.
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from research its value in new developments.

COURSE DURATION: 35 HOURS

Course Outline:

Module	Contents	Hours
1	Introduction to Autonomous Vehicles	7
2	Fundamentals of Autonomous Systems	7
3	Levels of Automation and Vehicle Autonomy	7
4	Implications of Autonomous, Vehicles Legal, Ethical, and Regulatory Considerations	7
5	Practical Applications and Case Studies, . Hands-on Labs and Projects Future Directions and Emerging Technologies	7

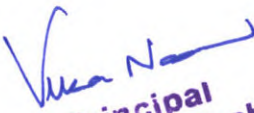
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District-Palghar, Maharashtra 421303



References

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- Wayne Goddard and Stuart Melville, "Autonomous Vehicles: An Introduction"
- Ranjit Kumar, 2nd Edition, "Autonomous Vehicles: A Step by Step Guide for beginners"
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- Mayall, "Industrial Design", McGraw Hill, 1992.
- Niebel, "Product Design", McGraw Hill, 1974.
- Asimov, "Introduction to Design", Prentice Hall, 1962
- Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New Technological Age", 2016.
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3. Q Sheet

S. No	Activity	Duration	Date	Time
1.	Historical perspective Key terminology and definitions Evolution of autonomous driving technologies	4 Hour	Feb 21, 2023	09:00 AM to 01:00PM
2.	Sensors and perception algorithms Localization and mapping techniques Decision-making and path planning algorithms	3 Hour	Feb 21, 2023	02:00AM to 05:00 PM
3	Understanding SAE levels of automation Case studies of semi-autonomous and fully autonomous vehicles Human-machine interface design considerations	4 Hour	Feb 22, 2023	09:00 AM to 01:00 PM
4	Urban mobility and congestion management Economic impacts on transportation industries	3 Hour	Feb 22, 2023	02:00AM to 05:00 PM
5	Environmental sustainability and energy efficiency Liability and insurance frameworks	4 Hour	Feb 23, 2023	09:00 AM to 01:00PM
6	Privacy and data protection concerns International standards and agreements	3 Hour	Feb 23, 2023	02:00PM to 05:00 PM
7	Autonomous vehicle simulations and virtual environments Real-world deployment challenges and case studies	4 Hour	Feb 24, 2023	09:00 AM to 01:00PM
8	Business models and market trends in autonomous mobility Programming exercises using simulation platforms (e.g., ROS, Carla)	3 Hour	Feb 24, 2023	02:00PM to 05:00 PM
9	Algorithm development for perception, planning, and control Project-based assignments focusing on autonomous vehicle development and testing	4 Hour	Feb 25, 2023	09:00 AM to 01:00PM



**Report of Add on Course from
February 21th to 26th February 2023**

**Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)**

10	Advanced sensor technologies (e.g., LiDAR, RADAR, cameras) Artificial intelligence and machine learning in autonomous systems Integration with smart infrastructure and connected vehicle networks	3 Hour	Feb 25, 2023	02:00PM to 05:00 PM
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4. Enrolled Students List

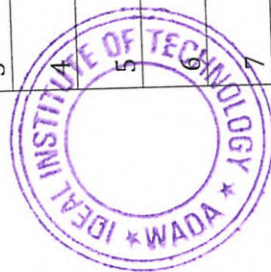
S.No	Student name	Enrollment No.	Branch	Year
1	JADHAV AKSHAY PRAKASH	2022016402555091	ME	II
2	PAMALE KAUSHAL GANESH	2022016402555102	ME	II
3	BANGERA CHINMAYA VISHVANATH	2021016402240365	ME	III
4	GUPTA SANDIP ASHOK	2021016402227507	ME	III
5	HRIGWED RAJENDRA PAWAR	2021016402227836	ME	III
6	JHA KAMLESH DIGAMBAR	2017016401838774	ME	III
7	KRIPA SHANKAR NISHAD	2020016402129872	ME	III
8	MALI HARSHAL ACHYUT	2021016402227577	ME	III
9	NADAGE RAMDAS SURESH	2021016402226922	ME	III
10	PATIL VED SHASHIKANT	2021016402241523	ME	III
11	PRANIT PRASHANT NIJAI	2021016402241554	ME	III
12	RAUT KARAN BHARAT	2021016402227852	ME	III
13	TARE UJWAL SUNIL	2021016402240342	ME	III
14	VARATAK KAUSHIK PRADIP	2021016402241507	ME	III
15	YESH ASHISH PATIL	2021016402227531	ME	III
16	BARI MRUNAL VIRENDRA	2018016402224641	ME	IV
17	BHOIR SWARUP GHANSHYAM	2019016402351767	ME	IV
18	BODAKE KUNAL BHASKAR	2020016402247275	ME	IV
19	DHANVA JITESH ANKUSH	2020016402247267	ME	IV
20	GANGURDE VIKRAM SANJAY	2020016402245276	ME	IV
21	GAUDA SREEKANT JUDHISTIR	2020016402246786	ME	IV
22	JADHAV SIDDHESH SANTOSH	2020016402246805	ME	IV
23	KANKAD AJIT MAHADU	2018016402536371	ME	IV
24	PALVE SOMKANT KACHARU	2020016402246917	ME	IV
25	PARDESHI BHUSHAN GANPAT	2020016402245284	ME	IV
26	PATHARE YASH SUBHODH	2020016402246821	ME	IV
27	PATIL HARSHAD RAJENDRA	2020016402246844	ME	IV
28	PATIL JITESH SHASHIKANT	2020016402246836	ME	IV
29	PATIL KAUSTUBH SUNIL	2019016402352481	ME	IV
30	PATIL PRANAV JANARDAN	2017016402618872	ME	IV
31	SATAVEE SOURABH RAVINDRA	2020016402247147	ME	IV
32	SAVE NIRMAL JITENDRA	2017016402361396	ME	IV



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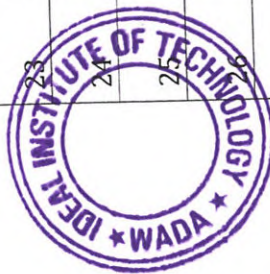
5. Attendance sheets of Enrolled students

IDEAL INSTITUTE OF ENGINEERING, MAHARASHTRA						
Department of Mechanical Engineering						
Final year Value added course on RM (Autonomous Vehicles)						
S.No.	Name	Attendance				
		1	2	3	4	5
1	JADHAV AKSHAY PRAKASH	Akshay	Akshay	Akshay	Akshay	Akshay
2	PAMALE KAUSHAL GANESH	Kshul	Kshul	Kshul	Kshul	Kshul
3	BANGERA CHINMAYA VISHVANATH	Chin	Chin	Chin	Chin	Chin
4	GUPTA SANDIP ASHOK	Sandip	Sandip	Sandip	Sandip	Sandip
5	HRIGWED RAJENDRA PAWAR	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra
6	JHA KAMLESH DIGAMBAR	Kamlesh	Kamlesh	Kamlesh	Kamlesh	Kamlesh
7	KRIPA SHANKAR NISHAD	Kripa	Kripa	Kripa	Kripa	Kripa
8	MALI HARSHAL ACHYUT	Harshal	Harshal	Harshal	Harshal	Harshal
9	NADAGE RAMDAS SURESH	Ramdas	Ramdas	Ramdas	Ramdas	Ramdas
10	PATIL VED SHASHIKANT	Ved	Ved	Ved	Ved	Ved
11	PRANIT PRASHANT NIJAI	Pranit	Pranit	Pranit	Pranit	Pranit
12	RAUT KARAN BHARAT	Karan	Karan	Karan	Karan	Karan
13	TARE UJWAL SUNIL	Ujwal	Ujwal	Ujwal	Ujwal	Ujwal
14	VARATAK KAUSHIK PRADIP	Pradip	Pradip	Pradip	Pradip	Pradip
15	YESH ASHISH PATIL	Yesh	Yesh	Yesh	Yesh	Yesh



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	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
16	BARI MRUNAL VIRENDRA	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
17	BHOIR SWARUP GHANSHYAM	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
18	BODAKE KUNAL BHASKAR	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
19	DHANVA JITESH ANKUSH	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
20	GANGURDE VIKRAM SANJAY	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
21	GAUDA SREEKANT JUDHISTIR	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
22	JADHAV SIDDHESH SANTOSH	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
23	KANKAD AJIT MAHADU	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
24	PALVE SOMKANT KACHARU	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
25	PARDESHI BHUSHAN GANPAT	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
26	PATHARE YASH SUBHODH	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
27	PATIL HARSHAD RAJENDRA	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
28	PATIL JITESH SHASHIKANT	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
29	PATIL KAUSTUBH SUNIL	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
30	PATIL PRANAV JANARDAN	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
31	SATAVEE SOURABH RAVINDRA	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra
32	SAVE NIRMAL JITENDRA	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra	Mr. B. Virendra



Report of Value added Course from
21 – 26 February, 2023

6. Marks of Eligible Candidate

S. N.	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	JADHAV AKSHAY PRAKASH	8	9	8	25
2	PAMALE KAUSHAL GANESH	7	10	8	25
3	BANGERA CHINMAYA VISHVANATH	8	8	8	24
4	GUPTA SANDIP ASHOK	9	9	8	26
5	HRIGWED RAJENDRA PAWAR	7	8	5	20
6	KRIPA SHANKAR NISHAD	8	7	7	22
7	MALI HARSHAL ACHYUT	9	5	8	22
8	NADAGE RAMDAS SURESH	8	8	9	25
9	PATIL VED SHASHIKANT	5	9	8	22
10	PRANIT PRASHANT NIJAI	4	8	5	17
11	TARE UJWAL SUNIL	7	7	5	19
12	VARATAK KAUSHIK PRADIP	8	5	2	15
13	YESH ASHISH PATIL	6	2	4	12
14	BARI MRUNAL VIRENDRA	5	2	7	14
15	BHOIR SWARUP GHANSHYAM	8	5	8	21
16	DHANVA JITESH ANKUSH	7	8	5	20
17	GANGURDE VIKRAM SANJAY	5	7	8	20
18	GAUDA SREEKANT JUDHISTIR	6	9	9	24
19	JADHAV SIDDHESH SANTOSH	4	5	9	18
20	KANKAD AJIT MAHADU	1	8	9	18
21	PARDESHI BHUSHAN GANPAT	7	7	9	23
22	PATHARE YASH SUBHODH	5	9	10	24
23	PATIL HARSHAD RAJENDRA	4	8	5	17
24	PATIL JITESH SHASHIKANT	7	7	5	19
25	PATIL KAUSTUBH SUNIL	8	5	2	15
26	SATAVEE SOURABH RAVINDRA	1	8	9	18
27	SAVE NIRMIT JITENDRA	7	7	9	23



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7. Sample Certificate

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CERTIFICATE

This is to Certify that Mr./Miss
_____ *has*
of Class _____
Participated actively in _____ held on _____
He / She secured _____ Position.

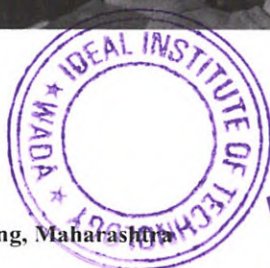
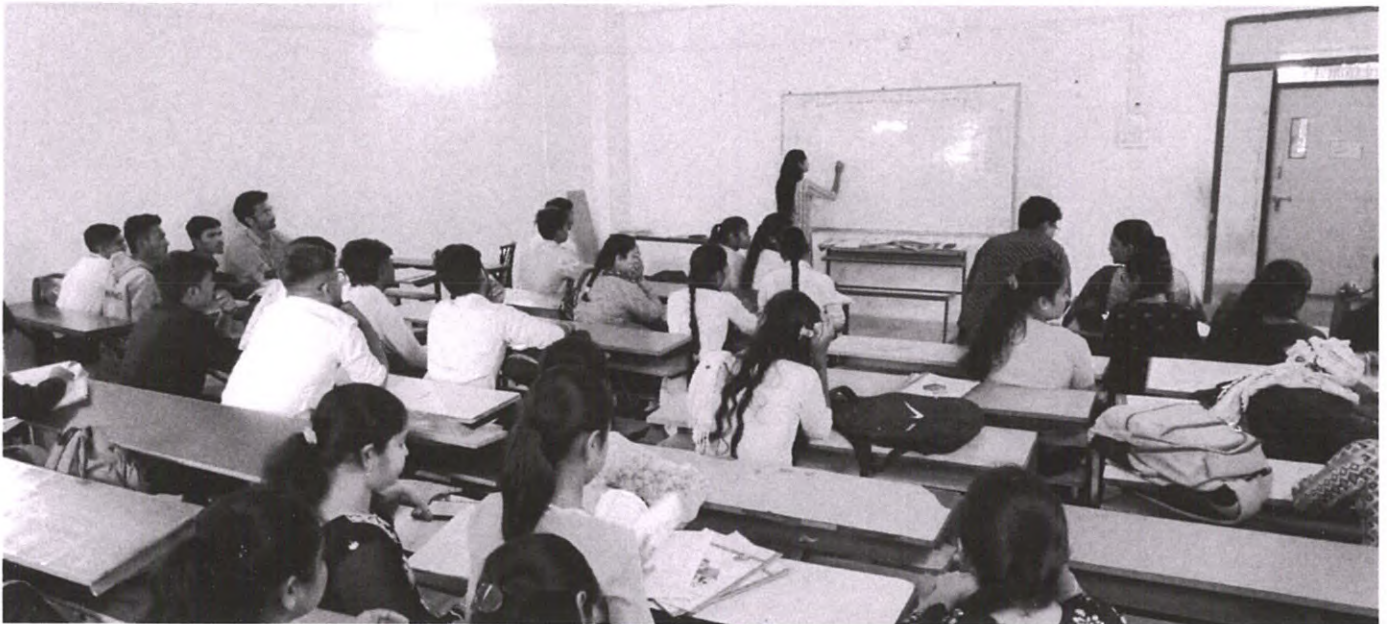
DATE **SECRETARY**

 **PRINCIPAL**
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 **Principal**
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IDEAL College of Engineering, Maharashtra Department of Mechanical Engineering

8. Course Session Photo



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9. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	31	5	4	0	0
The course content was:	33	3	3	2	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	30	5	3	2	0
Explanations by instructor were:	32	6	2	0	0
Instructor's use of examples and illustrations was:	33	3	2	1	1
Student's confidence in instructor's knowledge was:	34	2	4	0	0
Answers to student questions were:	31	5	3	1	0
Availability of extra help when needed was:	33	2	3	1	1
Instructor's interest in student's progress was:	34	3	2	1	0
Relevance of course content was:	33	5	1	1	0
Please give overall rating of the course	32	4	3	1	0



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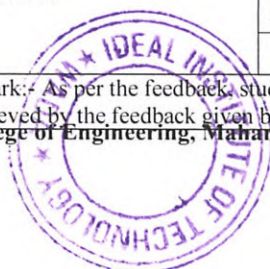
**Report of Add on Course from
February 26th, 2024 to March 1st, 2024**

Autonomous Vehicles

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	10.0%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (85%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	10.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	12.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	15.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	5.0%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (90%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	5.0%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	5.0%	7.5%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (87.5%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	7.5%	5.0%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	12.5%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (95%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	10.0%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							

IDEAL College of Engineering, Maharashtra

Department of Mechanical Engineering



Vikram Sharma
Principal
Ideal Institute of Technology
Post-Posheri, Taluka-Wada,
Maharashtra 421303

A Report of

Add on Course

On

“3-D Printing”

(AOC-DEP-ME-3DP)

20th – 25th February, 2023

Coordinated by

Mr. Bachan Kumar

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

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Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)



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Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo




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1 Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

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About the Course:

- ❖ 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 17 February, 2023

Contact Person: Mr. Bachan Kumar



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District-Palghar, Maharashtra 421303
Department of Mechanical Engineering

Ideal Institute of Technology
Department of Mechanical Engineering

Notice

Date: 13/02/2023

It is notified that Mechanical Department is going to organize Add-on Course on "3-D Printing", for all final year students of mechanical engineering from 20/02/2023 to 25/02/2023. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. The last date of registration is 17-02-2023. For any Query regarding add on course please contact to course coordinator Mr. Bachan Kumar.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Bachan Kumar
Coordinator


Mr. Pankaj Kumar
HOD (Mechanical Engineering)

CC:



1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar


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At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

2 About the Course

Course Name: 3-D Printing

Course Summary: 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry. This program on 3D Printing helps the participants understand the design, functioning and operation of a basic 3D Printer. It's distinct ability to manufacture complex shapes and structures has already made it invaluable for the production of prototypes such as engine manifolds for the automotive industry and tools such as investment casting moulds in the jewellery and aeronautical industries. This workshop will provide clear and comprehensive coverage of this exciting new technology.

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

1. Learn about the materials, designing of CAD models, working of a 3D Printer
2. Understand how to build and calibrate a 3D printer
3. Understand the basics of G code generation
4. The participants will get 3D printed models that they design

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding the design aspects of the 3D printable file
- The process of a consumer-level 3D printer
- FDM methodology.
- 3D printing case studies.
- Materials for Consumer 3D Printing




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Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	5
2	Algorithms used in design	5
3	Assembly	5
4	Demonstration of 3D Printing	5
5	Hardware & Software skills	5
6	Industrial 3D Printers ,Q&A	5

REFERENCES:

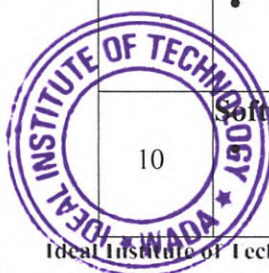
1. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd.
2. Biomaterials, artificial organs and tissue engineering, Edited by Larry L. Hench and Julian R. Jones, Woodhead Publishing and Maney Publishing, CRC Press 2005
3. Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, I. Gibson I D. W. Rosen I B. Stucker, Springer Publication.
4. Rapid Prototyping and Manufacturing, P. F. Jacobs, Society of Manufacturing Engineers




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3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introductory lecture on 3D printer and Rapid Prototyping	2.5 Hour	20 Feb 2023	09:30 to 12:00 PM
2.	Introduction to RepRap Arduino electronic controller Materials used for printing	2.5 Hour	20 Feb 2023	01:30 to 04:00 PM
3	Concepts of CAD Algorithms used in design	2.5 Hour	21 Feb 2023	09:30 to 12:00PM
4	Design of Assembly (Spur gear, Helical screw, simple design)	2.5 Hour	21 Feb 2023	01:30 to 04:00 PM
5	Introduction to G Code	2.5 Hour	22 Feb 2023	09:30 to 12:30PM
6	Demonstration of 3D Printer assembly	2.5 Hour	22 Feb 2023	01:30 to 04:00 PM
7	Testing and calibration of 3D Printer	2.5 Hour	23 Feb 2023	09:30 to 12:00PM
8	Demonstration of 3D Printing	2.5 Hour	23 Feb 2023	01:30 to 04:00 PM
9	Hardware skills - How to build an Ender 3 3D printer - How to calibrate, service & look after the printer - How to clean up parts and get the ready for assembly	2.5 Hour	24 Feb 2023	09:30 to 12:00PM
10	Software skills Basics of FUSION 360 (The CAD program we use to 3D model parts)	2.5 Hour	24 Feb 2023	01:30 to 04:00 PM



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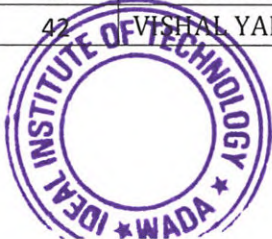
	• Designing for 3D printing • Basics of CURA (The program that virtually slices the parts to be printed)			
11	Types of Industrial 3D Printers	2.5 Hour	25 Feb 2023	09:30 to 12:00PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	25 Feb 2023	01:30 to 03:30 PM

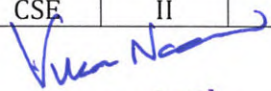


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4. List of Enrolled Students

S.No	Student Name	Branch	Year	Enrollment No.
1	BHASKAR PARTH TUSHAR	CSE	II	2021016402225106
2	SHIVAM KUMAR	CSE	II	2021016402226906
3	YADAV ISHA BRIJESH	CSE	II	2021016402225122
4	ADHIKARI MANASI ANIL	CSE	II	2022016402554934
5	ATHARAV VIVEK PATIL	CSE	II	2022016402555172
6	BAGUL BHAVESH BHAGWAN	CSE	II	2022016402555303
7	BARIYA RUTVIK SURESH	CSE	II	2022016402554911
8	BHOIR LAUKIK NAVRUTI	CSE	II	2022016402555292
9	CHOUDHARY GRISHMA GAUTAM	CSE	II	2022016402555284
10	DAS ARYAN VIJAY	CSE	II	2022016402555052
11	DHAKOLIYA DARSHAN RAJPAL	CSE	II	2022016402555237
12	GAIKWAD ANIKET ARUN	CSE	II	2022016402555222
13	GAIKWAD PRACHI ANIL	CSE	II	2022016402554741
14	GANGURDE SAYALI VALMIK	CSE	II	2022016402555044
15	GAUND AMAN RAM	CSE	II	2022016402555245
16	GUNJAL VIVEK RAMCHANDRA	CSE	II	2022016402554787
17	JADHAV ANISH PRABHAKAR	CSE	II	2022016402555156
18	JADHAV APURVA SANTOSH	CSE	II	2022016402555021
19	JADHAV PRADIP VIJAY	CSE	II	2022016402554764
20	JADHAV RUNAL AVINASH	CSE	II	2022016402555187
21	KARVE ATHARVA DHANANJAY	CSE	II	2022016402554733
22	KARVE NIKITA HAUSHILAL	CSE	II	2022016402555083
23	KAWADE SMITA SUNIL	CSE	II	2022016402554822
24	KOLHE SHRUTI RAMESH	CSE	II	2022016402554806
25	MAINKAR AMEY ABHAY	CSE	II	2022016402554853
26	MALI HARSHAL BHIKAN	CSE	II	2022016402554756
27	MALKAR TANYA SUDHAKAR	CSE	II	2022016402554772
28	MANJREKAR SHUBHAM PRADIP	CSE	II	2022016402555005
29	MEHER KRUPA SANTOSH	CSE	II	2022016402555326
30	MISHRA VIKASH RAGHVENDRA	CSE	II	2022016402554942
31	PAGAR PRACHI PRAMOD	CSE	II	2022016402555067
32	PARKAR NIRANJAN SUDHIR	CSE	II	2022016402554957
33	PATIL HINA AJAY	CSE	II	2022016402555311
34	PATIL KAUSTUBH NARESH	CSE	II	2022016402554903
35	PATIL VED DAYANAND	CSE	II	2022016402555133
36	PAWAR SIDDHANT GANESH	CSE	II	2022016402554996
37	SAVALE SAKSHI SHANKAR	CSE	II	2022016402555036
38	SHELKE NARENDRA VASANT	CSE	II	2022016402554892
39	SIDDHANT VINOD SONAWANE	CSE	II	2022016402554973
40	SURYAWANSHI VIJAY NANDKISHOR	CSE	II	2022016402555206
41	SWAYAMSIDDHA SEVEKAR	CSE	II	2022016402554884
42	VISHAL YADAV	CSE	II	2022016402554861




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5. Attendance sheets of Enrolled students

Ideal Institute of Technology									
Department of Mechanical Engineering									
Add on course on : 3-D Printing									
S. No	Enrollment No.	Branch	Name of students	Attendance					
				Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2021016402225106	CSE	BHASKAR PARTH TUSHAR	Parth	Parth	Parth	Parth	Parth	Parth
2	2021016402226906	CSE	SHIVAM KUMAR	Shivam	Shivam	Shivam	Shivam	Shivam	Shivam
3	2021016402225122	CSE	YADAV ISHA BRIJESH	Isha	Isha	Isha	Isha	Isha	Isha
4	2022016402554934	CSE	ADHIKARI MANASI ANIL	Manasi	Manasi	Manasi	Manasi	Manasi	Manasi
5	2022016402555172	CSE	ATHARAV VIVEK PATIL	Arav	Arav	Arav	Arav	Arav	Arav
6	2022016402555303	CSE	BAGUL BHAVESH BHAGWAN	Bhagwan	Bhagwan	Bhagwan	Bhagwan	Bhagwan	Bhagwan
7	2022016402554911	CSE	BARIYA RUTVIK SURESH	Rutvik	Rutvik	Rutvik	Rutvik	Rutvik	Rutvik
8	2022016402555292	CSE	BHOIR LAUKIK NAVRUTI	Laik	Laik	Laik	Laik	Laik	Laik
9	2022016402555284	CSE	CHOUDHARY GRISHMA GAUTAM	Grishma	Grishma	Grishma	Grishma	Grishma	Grishma
10	2022016402555052	CSE	DAS ARYAN VIJAY	Aryan	Aryan	Aryan	Aryan	Aryan	Aryan
11	2022016402555237	CSE	DHAKOLIYA DARSHAN RAJPAL	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan
12	2022016402555222	CSE	GAIKWAD ANIKET ARUN	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
13	2022016402554741	CSE	GAIKWAD PRACHI ANIL	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
14	2022016402555044	CSE	GANGURDE SAYALI VALMIK	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali
15	2022016402555245	CSE	GAUND AMAN RAM	Aman	Aman	Aman	Aman	Aman	Aman
16	2022016402554787	CSE	GUNJAL VIVEK RAMCHANDRA	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal	Gunjal
17	2022016402555156	CSE	JADHAV ANISH PRABHAKAR	Anish	Anish	Anish	Anish	Anish	Anish
18	2022016402555021	CSE	JADHAV APURVA SANTOSH	Apurva	Apurva	Apurva	Apurva	Apurva	Apurva
19	2022016402554764	CSE	JADHAV PRADIP VIJAY	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip
20	2022016402555187	CSE	JADHAV RUNAL AVINASH	Runal	Runal	Runal	Runal	Runal	Runal
21	2022016402554733	CSE	KARVE ATHARVA DHANANJAY	Atharva	Atharva	Atharva	Atharva	Atharva	Atharva
22	2022016402555083	CSE	KARVE NIKITA HAUSHILAL	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita
23	2022016402554822	CSE	KAWADE SMITA SUNIL	Smrita	Smrita	Smrita	Smrita	Smrita	Smrita
24	2022016402554806	CSE	KOLHE SHRUTI RAMESH	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
25	2022016402554853	CSE	MAINKAR AMEY ABHAY	Amei	Amei	Amei	Amei	Amei	Amei
26	2022016402554756	CSE	MALI HARSHAL BHIKAN	Harshal	Harshal	Harshal	Harshal	Harshal	Harshal
27	2022016402554772	CSE	MALKAR TANYA SUDHAKAR	Tanya	Tanya	Tanya	Tanya	Tanya	Tanya
28	2022016402555005	CSE	MANJREKAR SHUBHAM PRADIP	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
29	2022016402555326	CSE	MEHER KRUPA SANTOSH	Krupa	Krupa	Krupa	Krupa	Krupa	Krupa



30	2022016402554942	CSE	MISHRA VIKASH RAGHVENDRA	Vikash	Vikash	Vikash	3-D Printing
31	2022016402555067	CSE	PAGAR PRACHI PRAMOD	Prachi P	Prachi P	Prachi P	
32	2022016402554957	CSE	PARKAR NIRANJAN SUDDHIR	Niranjana	Niranjana	Niranjana	
33	2022016402555311	CSE	PATIL HINA AJAY	Hina	Hina	Hina	
34	2022016402554903	CSE	PATIL KAUSTUBH NARESH	Kaustubh	Kaustubh	Kaustubh	
35	2022016402555133	CSE	PATIL VED DAYANAND	Ved	Ved	Ved	
36	2022016402554996	CSE	PAWAR SIDDHANT GANESH	Siddhant	Siddhant	Siddhant	
37	2022016402555036	CSE	SAVALE SAKSHI SHANKAR	Sakshi	Sakshi	Sakshi	
38	2022016402554892	CSE	SHELKE NARENDRA VASANT	Narendra	Narendra	Narendra	
39	2022016402554973	CSE	SIDDHANT VINOD SONAWANE	Vinod	Vinod	Vinod	
40	2022016402555206	CSE	SURYAWANSHI VIJAY NANDKISHOR	Vijay	Vijay	Vijay	
41	2022016402554884	CSE	SWAYAMSIDDHA SEVEKAR	Swamyam	Swamyam	Swamyam	
42	2022016402554861	CSE	VISHAL YADAV	Vishal	Vishal	Vishal	



Vikash

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Marks of Eligible Candidate

S.no	Enrollment No.	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2021016402225106	CSE	BHASKAR PARTH TUSHAR	8	9	7	24
2	2021016402226906	CSE	SHIVAM KUMAR	7	8	7	22
3	2021016402225122	CSE	YADAV ISHA BRIJESH	9	6	7	22
4	2022016402554934	CSE	ADHIKARI MANASI ANIL	6	8	6	20
5	2022016402555172	CSE	ATHARAV VIVEK PATIL	9	9	8	26
6	2022016402555303	CSE	BAGUL BHAVESH BHAGWAN	8	8	7	23
7	2022016402554911	CSE	BARIYA RUTVIK SURESH	8	8		24
8	2022016402555284	CSE	CHOUDHARY GRISHMA GAUTAM	7	6	5	18
9	2022016402555052	CSE	DAS ARYAN VIJAY	6	8	7	21
10	2022016402555237	CSE	DHAKOLIYA DARSHAN RAJPAL	9	7	6	22
11	2022016402555222	CSE	GAIKWAD ANIKET ARUN	5	8	7	20
12	2022016402554741	CSE	GAIKWAD PRACHI ANIL	6	7	9	22
13	2022016402555044	CSE	GANGURDE SAYALI VALMIK	8	8	8	24
14	2022016402555245	CSE	GAUND AMAN RAM	8	9	7	24
15	2022016402554787	CSE	GUNJAL VIVEK RAMCHANDRA	7	8	7	22
16	2022016402555156	CSE	JADHAV ANISH PRABHAKAR	9	6	7	22
17	2022016402554764	CSE	JADHAV PRADIP VIJAY	6	8	6	20
18	2022016402555187	CSE	JADHAV RUNAL AVINASH	9	9	8	26
19	2022016402554733	CSE	KARVE ATHARVA DHANANJAY	8	8	7	23
20	2022016402555083	CSE	KARVE NIKITA HAUSHILAL	8	8		24
21	2022016402554822	CSE	KAWADE SMITA SUNIL	7	6	5	18
22	2022016402554806	CSE	KOLHE SHRUTI RAMESH	6	8	7	21
23	2022016402554855	CSE	MAINIKAR AMEY ABHAY	9	7	6	22
24	2022016402554756	CSE	MALI HARSHAL BHIKAN	9	7	6	22
25	2022016402554772	CSE	MALKAR TANYA SUDHAKAR	5	8	7	20
26	2022016402555336	CSE	MEHER KRUPA SANTOSH	6	7	9	22
27	2022016402554942	CSE	MISHRA VIKASH	8	8	8	24

			RAGHVENDRA				
28	2022016402555067	CSE	PAGAR PRACHI PRAMOD	6	5	9	20
29	2022016402554957	CSE	PARKAR NIRANJAN SUDHIR	8	7	9	24
30	2022016402555311	CSE	PATIL HINA AJAY	9	9	8	26
31	2022016402554903	CSE	PATIL KAUSTUBH NARESH	5	8	7	20
32	2022016402555133	CSE	PATIL VED DAYANAND	8	9	7	24
33	2022016402554996	CSE	PAWAR SIDDHANT GANESH	7	8	7	22
34	2022016402555036	CSE	SAVALE SAKSHI SHANKAR	9	6	7	22
35	2022016402554973	CSE	SIDDHANT VINOD SONAWANE	6	8	6	20
36	2022016402555206	CSE	SURYAWANSHI VIJAY NANDKISHOR	9	9	8	26
37	2022016402554884	CSE	SWAYAMSIDDHA SEVEKAR	5	8	7	20
38	2022016402554861	CSE	VISHAL YADAV	6	7	9	22



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6. Certificate:

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CERTIFICATE

This is to Certify that *Mr. / Miss* **SAMPLE** *has*
of Class _____ College _____, held on _____
Participated actively in _____
He / She secured _____ Position.

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SECRETARY

DATE

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Department of Mechanical

7. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	27	4	4	1	0
The course content was:	24	5	5	2	0
The instructor's contribution to the course was:	25	7	4	0	0
The instructor's effectiveness in teaching the subject matter was:	28	5	3	0	0
Course Organization was:	30	4	2	0	0
Explanations by instructor were:	26	6	3	1	0
Instructor's use of examples and illustrations was:	25	5	5	1	0
Student's confidence in instructor's knowledge was:	24	5	5	2	0
Answers to student questions were:	25	7	4	0	0
Availability of extra help when needed was:	28	5	3	0	0
Instructor's interest in student's progress was:	30	4	2	0	0
Relevance of course content was:	26	6	3	1	0
Please give overall rating of the course	25	5	5	1	0

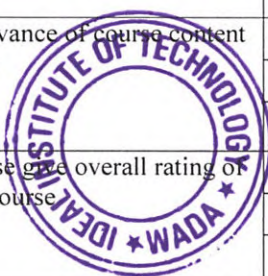


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3-D Printing

3-D Printing

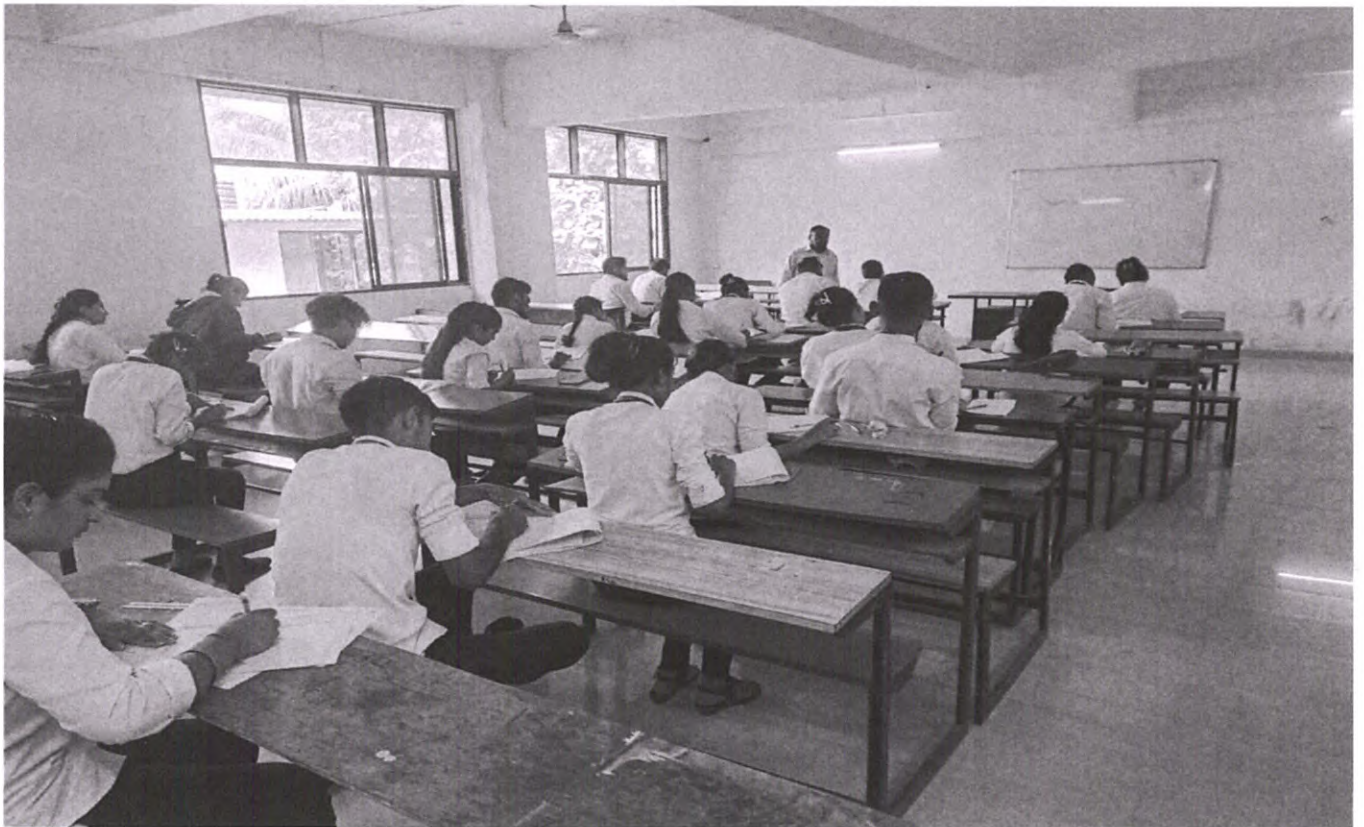
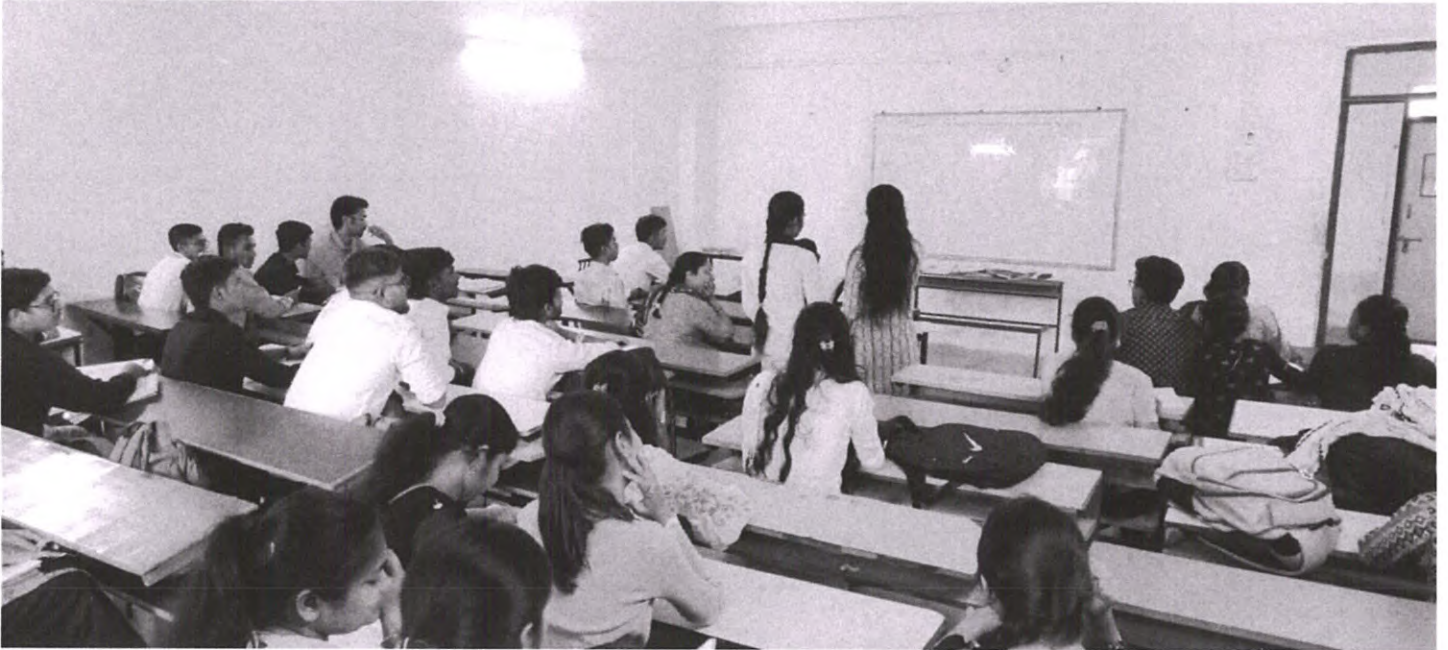
Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (86.14%)
		27	4	4	1	0	
		75	11.14	11.14	2.77	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (83.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (78.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							



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8. Photos

3-D Printing



Vivek N

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**Add-on Course offered
2021-22**

A Report of

Add on Course

On

“3-D Printing”

(AOC-DEP-ME-3DP)

September 20, 2021 to September 25, 2021

Coordinated by

Mr. Rajnish Kumar

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

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Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)



Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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Vijay N...
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1. Add on Course Brochure



**IDEAL INSTITUTE
OF TECHNOLOGY**

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

In Academic, Social & Industrial Activities and details on other institutions run by the Promoting Body Members are involved in academic, social and industrial activities. The Chairman of the society is engaged in the Social activities, which include academically and financially helping the poor and / or meritorious students.

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About the Course:

- ❖ 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 17 September 2021



Vivek N. K.
Principal
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Ideal Institute of Technology
Department of Mechanical Engineering

Notice

Date: 14/09/2021

It is notified that Mechanical Department is going to organize Add-on Course on “3-D Printing”, for all final year students of mechanical engineering from 20/09/2021 to 25/09/2021. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. The last date of registration is 17-09-2021. For any Query regarding add on course please contact to course coordinator Mr. Rajnish Kumar

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Rajnish Kumar
Coordinator


Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:



1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar


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1. About the Course

Course Name: 3-D Printing

Course Summary: 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry. This program on 3D Printing helps the participants understand the design, functioning and operation of a basic 3D Printer. It's distinct ability to manufacture complex shapes and structures has already made it invaluable for the production of prototypes such as engine manifolds for the automotive industry and tools such as investment casting moulds in the jewellery and aeronautical industries. This workshop will provide clear and comprehensive coverage of this exciting new technology.

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

1. Learn about the materials, designing of CAD models, working of a 3D Printer
2. Understand how to build and calibrate a 3D printer
3. Understand the basics of G code generation
4. The participants will get 3D printed models that they design

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding the design aspects of the 3D printable file
- The process of a consumer-level 3D printer
- FDM methodology.
- 3D printing case studies.
- Materials for Consumer 3D Printing



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Course Duration: 35 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	5
2	Algorithms used in design	5
3	Assembly	5
4	Demonstration of 3D Printing	5
5	Hardware & Software skills	5
6	Industrial 3D Printers ,Q&A	5

REFERENCES:

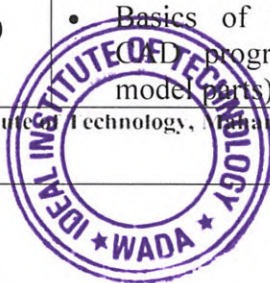
1. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd.
2. Biomaterials, artificial organs and tissue engineering, Edited by Larry L. Hench and Julian R. Jones, Woodhead Publishing and Maney Publishing, CRC Press 2005
3. Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, I. Gibson I D. W. Rosen I B. Stucker, Springer Publication.
4. Rapid Prototyping and Manufacturing, P. F. Jacobs, Society of Manufacturing Engineers



Vikram Sharma
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1. O Sheet

S.No	Activity	Duration	Date	Time
1.	Introductory lecture on 3D printer and Rapid Prototyping	2.5 Hour	Sept 20,2021	09:30 to 12:00 PM
2.	Introduction to RepRap Arduino electronic controller Materials used for printing	2.5 Hour	Sept 20,2021	01:30 to 04:00 PM
3	Concepts of CAD Algorithms used in design	2.5 Hour	Sept 21,2021	09:30 to 12:00PM
4	Design of Assembly (Spur gear, Helical screw, simple design)	2.5 Hour	Sept 21,2021	01:30 to 04:00 PM
5	Introduction to G Code	2.5 Hour	Sept 22,2021	09:30 to 12:30PM
6	Demonstration of 3D Printer assembly	2.5 Hour	Sept 22,2021	01:30 to 04:00 PM
7	Testing and calibration of 3D Printer	2.5 Hour	Sept 23,2021	09:30 to 12:00PM
8	Demonstration of 3D Printing	2.5 Hour	Sept 23,2021	01:30 to 04:00 PM
9	Hardware skills - How to build an Ender 3 3D printer - How to calibrate, service & look after the printer - How to clean up parts and get the ready for assembly	2.5 Hour	Sept 24,2021	09:30 to 12:00PM
10	Software skills Basics of FUSION 360 (The CAD program we use to 3D model parts)	2.5 Hour	Sept 24,2021	01:30 to 04:00 PM



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	• Designing for 3D printing • Basics of CURA (The program that virtually slices the parts to be printed)			
11	Types of Industrial 3D Printers	2.5 Hour	Sept 25,2021	09:30 to 12:00PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	Sept 25,2021	01:30 to 03:30 PM



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S. N.	Reg. No	Name
1	2019016402352740	AFNAN SHAIKH
2	2019016402352290	AMOLIK BHUSHAN PETRAS
3	2019016402351890	BARGODE EKTESH GANPAT
4	2019016402351790	BARI HARSHAL THAKUR
5	2019016402352610	BHEKRE NISHANT JANARDAN
6	2019016402352510	CHAVAN PRATHAMESH VINAYAK
7	2019016402352700	CHOUHAN VIKRAMSINGH MANOHARSINGH
8	2019016402352390	DARI KARTIK NETAI
9	2019016402352600	DIGHE SANTOSH TUKARAM
10	2019016402352630	GHARAT ASHUTOSH KESARI
11	2019016402352760	GHEVDE ADITYA ANAND
12	2019016402352530	GUPTA ARJUN SANTOSHKUMAR
13	2019016402352020	JADHAV PRASHANT MARUTI
14	2019016402352190	JADHAV TANMAY BIMBESH
15	2019016402352080	KOTKAR MEHUL ARUN
16	2019016402352100	MALI NIMESH RAMESH
17	2019016402351800	MALI YASH DNYANESHWAR
18	2019016402352550	MEHER SAAHIL MANGESH
19	2014016400821330	MEHER UNMESH RAVINDRA
20	2019016402352770	MESTRY ROHAN RAMESH
21	2019016402352820	NAIK RIDDHESH JITENDRA
22	2019016402352370	PATEL NAITIK VINOD
23	2019016402352680	PATIL BHAVESH SHAMRAO
24	2019016402352490	PATIL SIDDHANT SUNESH
25	2019016402352310	PATIL TEJAS PRAKASH
26	2019016402352120	PAWAR SHUBHAM SURESH
27	2019016402352810	RAJANI VRUSHABH MUKESH
28	2019016402352830	RALE SUMESH KISAN
29	2019016402352470	RAUT NAYAN RAGHUVIR
30	2019016402352577	RAVATE MAYUR SURESH
31	2019016402352280	SANKHE HRISHIKESH MADHUKAR
32	2015016401575870	SAWANT SAHIL HANUMANT
33	2019016402352380	SHELKE PRITESH JAGDISH
34	2019016402352650	SHINDE SHANTANU SANTOSH
35	2019016402352790	SINGH ROSHAN SATISH
36	2019016402352270	SINGH SATISHKUMAR RAJESHWAR
37	2019016402352170	TAMORE DIVYANSHU ANIL
38	2019016402352420	THAKUR PRANAY SANJAY
39	2019016402352150	VICHARE AALAP AWDHUT
40	2019016402352690	WAGHMARE SANKET VINOD



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Attendance sheets of Enrolled students

Ideal Institute of Technology									
Department of Mechanical Engineering									
Add on course on : 3-D Printing									
Attendance									
S.no	Roll no	Branch	Name of students	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2019016402352740	ME	AFNAN SHAIKH	A. Shaikh	A. Shaikh	A. Shaikh	A. Shaikh	A. Shaikh	A. Shaikh
2	2019016402352290	ME	AMOLIK BHUSHAN PETRAS	Amolik	Amolik	Amolik	Amolik	Amolik	Amolik
3	2019016402351890	ME	BARGODE EKTESH GANPAT	Bargode	Bargode	Bargode	Bargode	Bargode	Bargode
4	2019016402351790	ME	BARI HARSHAL THAKUR	Bari	Bari	Bari	Bari	Bari	Bari
5	2019016402352610	ME	BHEKRE NISHANT JANARDAN	Nishant	Nishant	Nishant	Nishant	Nishant	Nishant
6	2019016402352510	ME	CHAVAN PRATHAMESH VINAYAK	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
7	2019016402352700	ME	CHOUHAN VIKRAMSINGH MANOHARSINGH	Chouhan	Chouhan	Chouhan	Chouhan	Chouhan	Chouhan
8	2019016402352390	ME	DARI KARTIK NETAI	Dari	Dari	Dari	Dari	Dari	Dari
9	2019016402352600	ME	DIGHE SANTOSH TUKARAM	Santosh	Santosh	Santosh	Santosh	Santosh	Santosh
10	2019016402352630	ME	GHARAT ASHUTOSH KESARI	Ashu	Ashu	Ashu	Ashu	Ashu	Ashu
11	2019016402352760	ME	GHEVDE ADITYA ANAND	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
12	2019016402352530	ME	GUPTA ARJUN SANTOSHKUMAR	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun
13	2019016402352020	ME	JADHAV PRASHANT MARUTI	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant
14	2019016402352190	ME	JADHAV TANMAY BIMBESH	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay
15	2019016402352080	ME	KOTKAR MEHUL ARUN	Mehul	Mehul	Mehul	Mehul	Mehul	Mehul
16	2019016402352100	ME	MALI NIMESH RAMESH	Nimesh	Nimesh	Nimesh	Nimesh	Nimesh	Nimesh
17	2019016402351800	ME	MALI YASH DNYANESHWAR	Yash	Yash	Yash	Yash	Yash	Yash
18	2019016402352550	ME	MEHER SAAHIL MANGESH	Saahil	Saahil	Saahil	Saahil	Saahil	Saahil
19	2014016400821330	ME	MEHER UNMESH RAVINDRA	Unmesh	Unmesh	Unmesh	Unmesh	Unmesh	Unmesh
20	2019016402352770	ME	MESTRY ROHAN RAMESH	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan
21	2019016402352820	ME	NAIK RIDDHESH JITENDRA	Riddesh	Riddesh	Riddesh	Riddesh	Riddesh	Riddesh

		PATIL NAITIK VINOD	VINOD	VINOD	VINOD	3-D-Printing
22	2019016402352370	ME				
23	2019016402352680	ME	BSPAL	BSPAL	BSPAL	BSPAL
24	2019016402352490	ME	SAD	SAD	SAD	SAD
25	2019016402352310	ME	PEJUS	PEJUS	PEJUS	PEJUS
26	2019016402352120	ME	SRAVATE	SRAVATE	SRAVATE	SRAVATE
27	2019016402352810	ME	RAJAN	RAJAN	RAJAN	RAJAN
28	2019016402352830	ME	SANKH	SANKH	SANKH	SANKH
29	2019016402352470	ME	NAYAN	NAYAN	NAYAN	NAYAN
30	2019016402352577	ME	MAYUR	MAYUR	MAYUR	MAYUR
31	2019016402352280	ME	SANKHE	SANKHE	SANKHE	SANKHE
32	2015016401575870	ME	SABIR	SABIR	SABIR	SABIR
33	2019016402352380	ME	KATERA	KATERA	KATERA	KATERA
34	2019016402352650	ME	SHANTU	SHANTU	SHANTU	SHANTU
35	2019016402352790	ME	ROSHAN	ROSHAN	ROSHAN	ROSHAN
36	2019016402352270	ME	SATISHKUMAR RAJESHWAR	SATISHKUMAR RAJESHWAR	SATISHKUMAR RAJESHWAR	SATISHKUMAR RAJESHWAR




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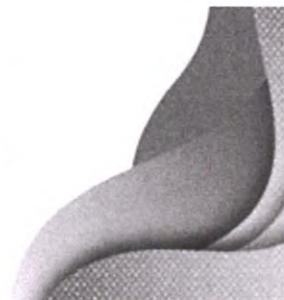
Marks of Eligible Candidate

S.no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2019016402352740	ME	AFNAN SHAIKH	8	9	7	24
2	2019016402352290	ME	AMOLIK BHUSHAN PETRAS	7	8	7	22
3	2019016402351890	ME	BARGODE EKTESH GANPAT	9	6	7	22
4	2019016402351790	ME	BARI HARSHAL THAKUR	6	8	6	20
5	2019016402352610	ME	BHEKRE NISHANT JANARDAN	9	9	8	26
6	2019016402352510	ME	CHAVAN PRATHAMESH VINAYAK	8	8	7	23
7	2019016402352700	ME	CHOUHAN VIKRAMSINGH MANOHARSINGH	8	8		24
8	2019016402352390	ME	DARI KARTIK NETAI	7	6	5	18
9	2019016402352600	ME	DIGHE SANTOSH TUKARAM	6	8	7	21
10	2019016402352630	ME	GHRAT ASHUTOSH KESARI	9	7	6	22
11	2019016402352760	ME	GHEVDE ADITYA ANAND	5	8	7	20
12	2019016402352530	ME	GUPTA ARJUN SANTOSHKUMAR	6	7	9	22
13	2019016402352020	ME	JADHAV PRASHANT MARUTI	8	8	8	24
14	2019016402352190	ME	JADHAV TANMAY BIMBESH	8	9	7	24
15	2019016402352080	ME	KOTKAR MEHUL ARUN	7	8	7	22
16	2019016402352100	ME	MALI NIMESH RAMESH	9	6	7	22
17	2019016402351800	ME	MALI YASH DNYANESHWAR	6	8	6	20
18	2019016402352550	ME	MEHER SAAHIL MANGESH	9	9	8	26
19	2014016400821330	ME	MEHER UNMESH RAVINDRA	8	8	7	23
20	2019016402352770	ME	MESTRY ROHAN RAMESH	8	8		24
21	2019016402352820	ME	NAIK RIDDHESH JITENDRA	7	6	5	18
22	2019016402352370	ME	PATEL NAITIK VINOD	6	8	7	21
23	2019016402352680	ME	PATIL BHAVESH SHAMRAO	9	7	6	22
24	2019016402352490	ME	PATIL SIDDHANT SUNESH	9	7	6	22
25	2019016402352310	ME	PATIL TEJAS PRAKASH	5	8	7	20
26	2019016402352120	ME	PAWAR SHUBHAM SURESH	6	7	9	22
27	2019016402352810	ME	RAJANI VRUSHABH MUKESH	8	8	8	24
28	2019016402352830	ME	RALE SUMESH KISAN	6	5	9	20
29	2019016402352470	ME	RAUT NAYAN RAGHUVIR	8	7	9	24
30	2019016402352577	ME	RAVATE MAYUR SURESH	9	9	8	26
31	2019016402352280	ME	SANKHE HRISHIKESH MADHUKAR	5	8	7	20
32	2015016401575870	ME	SAWANT SAHIL HANUMANT	8	9	7	24
33	2019016402352380	ME	SHELKE PRITESH JAGDISH	7	8	7	22
34	2019016402352650	ME	SHINDE SHANTANU SANTOSH	9	6	7	22
35	2019016402352790	ME	SINGH ROSHAN SATISH	6	8	6	20
36	2019016402352270	ME	SINGH SATISHKUMAR RAJESHWAR	9	9	8	26

4. Certificate:



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CERTIFICATE
OF COMPLETION

THE FOLLOWING AWARD IS GIVEN TO
AFNAN SHAIKH

**Student of IV Year Registration Number 2019016402352740 for successfully
completing the 30-hours course on 3-D Printing.**

Mr. Pramod Kumar
HOD (Mechanical)

Mr. Rajnish Kumar
Coordinator



Vikram N. Sharma
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8. Photos



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District-Palghat, Maharashtra 421303

Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	27	4	4	1	0
The course content was:	24	5	5	2	0
The instructor's contribution to the course was:	25	7	4	0	0
The instructor's effectiveness in teaching the subject matter was:	28	5	3	0	0
Course Organization was:	30	4	2	0	0
Explanations by instructor were:	26	6	3	1	0
Instructor's use of examples and illustrations was:	25	5	5	1	0
Student's confidence in instructor's knowledge was:	24	5	5	2	0
Answers to student questions were:	25	7	4	0	0
Availability of extra help when needed was:	28	5	3	0	0
Instructor's interest in student's progress was:	30	4	2	0	0
Relevance of course content was:	26	6	3	1	0
Please give overall rating of the course	25	5	5	1	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.

Optional – Your name and contact address.

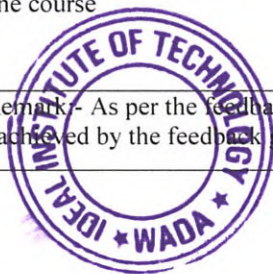


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3-D Printing

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		27	4	4	1	0	Objective Achieved - Excellent & Very Good (86.14%)
		75	11.14	11.14	2.77	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		24	5	5	2	0	Objective Achieved - Excellent & Very Good (80.55%)
		66.67	13.88	13.88	5.56	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		25	7	4	0	0	Objective Achieved - Excellent & Very Good (88.89%)
		69.44	19.45	11.12	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		28	5	3	0	0	Objective Achieved - Excellent & Very Good (91.65%)
		77.77	13.88	8.34	8.34	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	2	0	0	Objective Achieved - Excellent & Very Good (94.46%)
		83.34	11.12	5.55	0	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		26	6	3	1	0	Objective Achieved - Excellent & Very Good (88.89%)
		72.22	16.67	8.34	2.77	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		25	5	5	1	0	Objective Achieved - Excellent & Very Good (83.32%)
		69.44	13.88	13.88	2.77	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		24	5	5	2	0	Objective Achieved - Excellent & Very Good (80.55%)
		66.67	13.88	13.88	5.56	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		25	7	4	0	0	Objective Achieved - Excellent & Very Good (88.89%)
		69.44	19.45	11.12	0	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		28	5	3	0	0	Objective Achieved - Excellent & Very Good (91.65%)
		77.77	13.88	8.34	8.34	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	2	0	0	Objective Achieved - Excellent & Very Good (94.46%)
		83.34	11.12	5.55	0	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		26	6	3	1	0	Objective Achieved - Excellent & Very Good (88.89%)
		72.22	16.67	8.34	2.77	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		25	5	5	1	0	Objective Achieved - Excellent & Very Good (78.32%)
		69.44	13.88	13.88	2.77	0	

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.



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A Report of

Value Added

Course On

**“Autonomous Vehicles”
(VAC-ENGG-ME-AV)**

09th - 14th March, 2022

Coordinated by

Dr. Sameer Singh

Organized by



Department of Mechanical Engineering

IDEAL INSTITUTE OF TECHNOLOGY

State- Maharashtra, (India)



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At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

1. Value added Course Brochure

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B.E. courses. Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering, Electrical Engineering. Courses offered by institute are approving AICTE and affiliated to University of Mumbai.

About the Course

The value-added course on Autonomous Vehicles is designed to provide students with a comprehensive understanding of the technology, principles, challenges, and applications of autonomous vehicles (AVs). Through a blend of theoretical knowledge and practical exercises, students will explore the intricate components and systems that enable vehicles to operate autonomously. The course aims to equip learners with the skills and insights necessary to navigate the evolving landscape of transportation, automation, and mobility.



[Signature]
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Ideal College of Engineering
Department of Mechanical Engineering
Notice

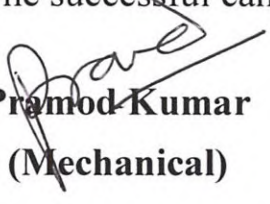
Date: 02/03/2022

It is notified the Department is going to organize Add-on Course on (VAC-ENGG-MECH-AV) “**Autonomous Vehicles**”. The duration of the course will be **off 35 contact hours** which will be covered in a week.

Interested bonafide students are advised to register themselves. **The last date of registration is 08/03/2022.** If any Query regarding add on course contact to **Mr. Sameer Singh.**

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Pramod Kumar
HOD (Mechanical)


Principal
Ideal Institute of Technology
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2. About the Course

Course Name: Autonomous Vehicles (AOC-ENGG-ME-AV)

Course Summary: Research and Development (R & D) plays a vital role in the overall progress of a country. The quality of research in the field of science and technology help in progressive growth of society in all the aspects. Research either in experimental and theoretical form is always appreciated, because without the support of theoretical research it is very difficult to achieve the goals within the stipulated time. A Autonomous Vehicles gives validity to the research and also provides scientifically sound findings. It also provides a detailed plan that helps to keep researchers on track, making the process smooth, effective and manageable. The findings of research need acceptability before its practical application in the industry or society. Focus of the course is to equip the students with fundamentals of Autonomous Vehicles. The objective is to make students aware of research ethics that must be followed while pursuing research work.

Enrollment Criteria:

1. Participants must be interested and engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Understand the foundational principles of autonomous vehicle technology, including sensing, perception, decision-making, and control systems.
- b. Explore the various levels of automation in vehicles and distinguish between semi-autonomous and fully autonomous driving capabilities.
- c. Analyze the societal, economic, and environmental impacts of autonomous vehicles on transportation systems, urban planning, and sustainability.
- d. Evaluate the legal, ethical, and regulatory frameworks governing the deployment and operation of autonomous vehicles in different jurisdictions.
- e. Gain hands-on experience in programming, simulation, and testing of autonomous vehicle algorithms and software platforms.
- f. Collaborate in interdisciplinary teams to develop innovative solutions and applications leveraging autonomous vehicle technology.



IDEAL College of Engineering Maharashtra

Vikram N. N.
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Department of Mechanical Engineering

g. Critically assess the safety, reliability, and cyber security challenges associated with autonomous vehicles and propose mitigation strategies.

h. Investigate emerging trends, research developments, and industry advancements shaping the future of autonomous mobility.

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of research techniques and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Autonomous Vehicles.
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from research its value in new developments.

COURSE DURATION: 35 HOURS

Course Outline:

Module	Contents	Hours
1	Introduction to Autonomous Vehicles	7
2	Fundamentals of Autonomous Systems	7
3	Levels of Automation and Vehicle Autonomy	7
4	Implications of Autonomous, Vehicles Legal, Ethical, and Regulatory Considerations	7
5	Practical Applications and Case Studies, . Hands-on Labs and Projects Future Directions and Emerging Technologies	7

References

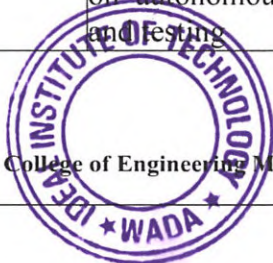
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- Ranjit Kumar, 2nd Edition, "Autonomous Vehicles: A Step by Step Guide for beginners"
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- Mayall, "Industrial Design", McGraw Hill, 1992.
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- Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New Technological Age", 2016.
- T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008



Vivek N...
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At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

3. Q Sheet

S. No	Activity	Duration	Date	Time
1.	Historical perspective Key terminology and definitions Evolution of autonomous driving technologies	4 Hour	Mar 09, 2022	09:00 AM to 01:00PM
2.	Sensors and perception algorithms Localization and mapping techniques Decision-making and path planning algorithms	3 Hour	Mar 09, 2022	02:00AM to 05:00 PM
3	Understanding SAE levels of automation Case studies of semi-autonomous and fully autonomous vehicles Human-machine interface design considerations	4 Hour	Mar 10, 2022	09:00 AM to 01:00 PM
4	Urban mobility and congestion management Economic impacts on transportation industries	3 Hour	Mar 10, 2022	02:00AM to 05:00 PM
5	Environmental sustainability and energy efficiency Liability and insurance frameworks	4 Hour	Mar 11, 2022	09:00 AM to 01:00PM
6	Privacy and data protection concerns International standards and agreements	3 Hour	Mar 11, 2022	02:00PM to 05:00 PM
7	Autonomous vehicle simulations and virtual environments Real-world deployment challenges and case studies	4 Hour	Mar 12, 2022	09:00 AM to 01:00PM
8	Business models and market trends in autonomous mobility Programming exercises using simulation platforms (e.g., ROS, Carla)	3 Hour	Mar 12, 2022	02:00PM to 05:00 PM
9	Algorithm development for perception, planning, and control Project-based assignments focusing on autonomous vehicle development and testing	4 Hour	Mar 13, 2022	09:00 AM to 01:00PM



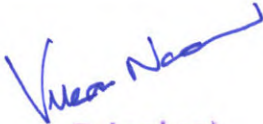
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At Post-Posheri, Taluka-Wada,
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Report of Add on Course from
09th - 14th March, 2022

Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)

10	Advanced sensor technologies (e.g., LiDAR, RADAR, cameras) Artificial intelligence and machine learning in autonomous systems Integration with smart infrastructure and connected vehicle networks	3 Hour	Mar 13, 022	02:00PM to 05:00 PM
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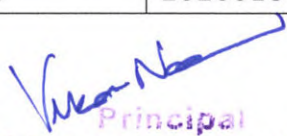



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4. Enrolled Students List

S. No	Student name	Enrollment No.	Branch	Year
1	ALAV VINAY NARAYAN	2020016402247004	CSE	III
2	ANSARI ASLAIN ABDULKADIR	2019016402351783	CSE	III
3	BARI SHRUTI ANANT	2020016402246651	CSE	III
4	BHIAMSHRIYA VISHAL PAWANKUMAR	2020016402245237	CSE	III
5	DEV VIPUL	2020016402247171	CSE	III
6	DHAWADE RUSHIKESH KASHINATH	2020016402247027	CSE	III
7	GAWADE PURVA PRAKASH	2020016402246763	CSE	III
8	GHARAT RIDDHI SUNIL	2020016402246925	CSE	III
9	GORADKAR RUTUJA SANTOSH	2020016402246852	CSE	III
10	HANKARE ADITYA AMRUT	2020016402246666	CSE	III
11	JADHAV DHANASHREE	2017016401568495	CSE	III
12	KHAIRNAR GEETAI MADHAV	2020016402247132	CSE	III
13	KHAN FAISAL ANWAR	2020016402247252	CSE	III
14	KHONDE VEDANT SANJAY	2020016402246813	CSE	III
15	KUMBHAR HRISHIKESH SUNIL	2020016402246724	CSE	III
16	PUNDGE RATAN AMBAR	2020016402247097	CSE	III
17	MAIDHAM VAMSHIK SHANKAR	2020016402246964	CSE	III
18	MALI YASH SHEKHAR	2020016402245187	CSE	III
19	MORE DNYANESHWAR SANJAY	2020016402246682	CSE	III
20	NARVADE SANDEEP NANDU	2020016402247244	CSE	III
21	PAL HEMANT KAMLESH	2020016402246987	CSE	III
22	PAWAR PRATIK ASHOK	2020016402245195	CSE	III
23	RATHOD RAJAT PRATAP	2020016402246995	CSE	III
24	SHAH VATS AJAY	2020016402246755	CSE	III
25	SHAIKH SHAYAAN SHAMSHAD	2019016402351744	CSE	III
26	SHARMA ADITYA PRADEEP	2020016402246674	CSE	III
27	SHARMA ASHUTOSH ANIL	2020016402247051	CSE	III
28	SHINDE JATIN MANOJ	2020016402246933	CSE	III
29	SURVE MRUNAL SANJAY	2020016402246716	CSE	III
30	VISAWADIA ZIL RAJESH	2020016402246701	CSE	III
31	YADAV DEEPAK BAIDYANATH	2020016402246732	CSE	III




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5. Attendance sheets of Enrolled students

IDEAL INSTITUTE OF ENGINEERING, MAHARASHTRA							
Department of Mechanical Engineering							
Final year Value added course on RM (Autonomous Vehicles)							
Attendance							
S.No.	Name	1	2	3	4	5	6
1	ALAV VINAY NARAYAN	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay
2	ANSARI ASLAIN ABDULKADIR	Ansari	Ansari	Ansari	Ansari	Ansari	Ansari
3	BARI SHRUTI ANANT	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
4	BHAIAMSHRIYA VISHAL	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal
5	PAWANKUMAR	Pawankumar	Pawankumar	Pawankumar	Pawankumar	Pawankumar	Pawankumar
6	DEV VIPUL	Vipul	Vipul	Vipul	Vipul	Vipul	Vipul
7	DHAWADE RUSHIKESH KASHINATH	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
8	GAWADE PURVA PRAKASH	Purva	Purva	Purva	Purva	Purva	Purva
9	GHARAT RIDDHI SUNIL	Riddhi	Riddhi	Riddhi	Riddhi	Riddhi	Riddhi
10	GORADKAR RUTUJA SANTOSH	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
11	HANKARE ADITYA AMRUT	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
12	JADHAV DHANASHREE	Dhanashree	Dhanashree	Dhanashree	Dhanashree	Dhanashree	Dhanashree
13	KHAINAR GEETAI MADHAV	Geetai	Geetai	Geetai	Geetai	Geetai	Geetai
14	KHAN FAISAL ANWAR	Faisal	Faisal	Faisal	Faisal	Faisal	Faisal
15	KHONDE VEDANT SANJAY	Vedant	Vedant	Vedant	Vedant	Vedant	Vedant
16	KUMBHAR HRISHIKESH SUNIL	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
17	PUNDGE RATAN AMBAR	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan
18	MAIDHAM VAMSHIK SHANKAR	Vamshik	Vamshik	Vamshik	Vamshik	Vamshik	Vamshik

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18	MALI YASH SHEKHAR	Yash	Jay	Jash	Jash	Jash	Jash
19	MORE DNYANESHWAR SANJAY	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
20	NARVADE SANDEEP NANDU	—	—	Nandu	—	—	—
21	PAL HEMANT KAMLESH	HP	KS	KS	KS	KS	KS
22	PAWAR PRATIK ASHOK	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
23	RATHOD RAJAT PRATAP	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
24	SHAH VATS AJAY	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
25	SHAIKH SHAYAAN SHAMSHAD	Sh	Sh	—	—	—	—
26	SHARMA ADITYA PRADEEP	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
27	SHARMA ASHUTOSH ANIL	An	An	An	An	An	An
28	SHINDE JATIN MANOJ	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin
29	SURVE MRUNAL SANJAY	MD	MD	MD	MD	MD	MD
30	VISAWADIA ZIL RAJESH	—	—	Rajesh	—	—	—
31	YADAV DEEPAK BAIDYANATH	Deep	Deep	Deep	Deep	Deep	Deep



Vikas Nand

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District-Palghar, Maharashtra 42130

Report of Value added Course from
09th - 14th March, 2022

6. Marks of Eligible Candidate

S. N.	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	ALAV VINAY NARAYAN	8	9	8	25
2	ANSARI ASLAIN ABDULKADIR	7	10	8	25
3	BARI SHRUTI ANANT	8	8	8	24
4	BHIAMSHRIYA VISHAL PAWANKUMAR	9	9	8	26
5	DHAWADE RUSHIKESH KASHINATH	7	8	5	20
6	GAWADE PURVA PRAKASH	8	7	7	22
7	GHARAT RIDDHI SUNIL	9	5	8	22
8	GORADKAR RUTUJA SANTOSH	8	8	9	25
9	JADHAV DHANASHREE	5	9	8	22
10	KHAIRNAR GEETAI MADHAV	4	8	5	17
11	KHAN FAISAL ANWAR	7	7	5	19
12	KHONDE VEDANT SANJAY	8	5	2	15
13	PUNDGE RATAN AMBAR	6	2	4	12
14	MAIDHAM VAMSHIK SHANKAR	5	2	7	14
15	MALI YASH SHEKHAR	8	5	8	21
16	MORE DNYANESHWAR SANJAY	7	8	5	20
17	PAL HEMANT KAMLESH	5	7	8	20
18	PAWAR PRATIK ASHOK	6	9	9	24
19	RATHOD RAJAT PRATAP	4	5	9	18
20	SHAH VATS AJAY	1	8	9	18
21	SHARMA ADITYA PRADEEP	7	7	9	23
22	SHARMA ASHUTOSH ANIL	5	9	10	24
23	SHINDE JATIN MANOJ	4	8	5	17
24	SURVE MRUNAL SANJAY	7	7	5	19
25	YADAV DEEPAK BAIDYANATH	8	5	2	15



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7. Sample Certificate

IDEAL INSTITUTE OF TECHNOLOGY
Post-Posheri, Taluka - Wada, Dist. - Thane, Maharashtra. Tel.: 02526-212144 | www.idealwada.com

CERTIFICATE

This is to Certify that Mr. / Miss
_____ has
of Class _____
Participated actively in _____ held on _____
He / She secured _____ Position.

PRINCIPAL
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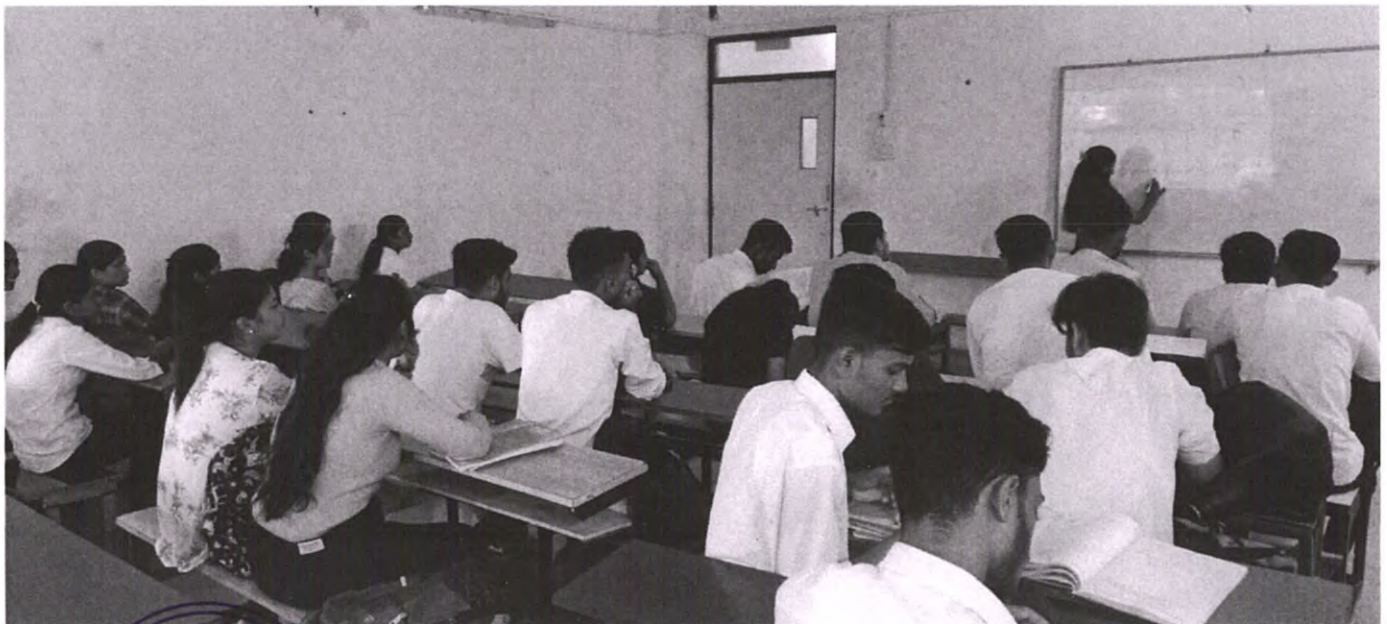
SECRETARY

DATE

IDEAL INSTITUTE OF TECHNOLOGY
WADA

IDEAL INSTITUTE OF TECHNOLOGY
WADA

8. Course Session Photo



Vijay N. N.
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Ideal Institute of Technology
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9. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	31	5	4	0	0
The course content was:	33	3	3	2	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	30	5	3	2	0
Explanations by instructor were:	32	6	2	0	0
Instructor's use of examples and illustrations was:	33	3	2	1	1
Student's confidence in instructor's knowledge was:	34	2	4	0	0
Answers to student questions were:	31	5	3	1	0
Availability of extra help when needed was:	33	2	3	1	1
Instructor's interest in student's progress was:	34	3	2	1	0
Relevance of course content was:	33	5	1	1	0
Please give overall rating of the course	32	4	3	1	0



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Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory. Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	10.0%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (85%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	10.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	12.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	15.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	5.0%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (90%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	5.0%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	5.0%	7.5%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (87.5%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	7.5%	5.0%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	12.5%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (95%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	10.0%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)

Overall Remarks: As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

IDEAL College of Engineering, Maharashtra

Department of Mechanical Engineering

Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

**Add-on Course offered
2020-21**

A Report of

2020-21

Add on Course

On

“Fundamental of CNC”
(AOC-DEP-ME-CNC)

February 05,2021 to February 10,2021

Coordinated by

Sonali Patil

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

Posheri, Wada, Dist. Palghar, Maharashtra- 421303

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)



Vijay N. N.
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Contents

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4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo




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Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

1. Add on Course Brochure



IDEAL INSTITUTE OF TECHNOLOGY

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

IDEAL INSTITUTE OF TECHNOLOGY consists of following Departments:

- Mechanical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronics & Tele communication Engg

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About the Course

Now-a-days CNC is very popular machining instruments in the industry. Therefore It has natural demand in the manufacturing industries. If students know the basics of CNC machining then they become valuable assets of the company. With good knowledge they can perform managerial task easily and efficiently in the floor-shop. Keeping the demand in mind this course is developed for under graduate students of engineering.

COURSE DURATION : 30HRS

Eligibility: Any student who has interest in CNC machining can join this course.

COURSE FEE: THIS COURSE IS FREE OF COST BUT ONE HAS TO MAINTAIN A MINIMUM ATTENDANCE OF 75%.



Vijay N. Sharma
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421805

Ideal Institute of Technology
Department of Mechanical Engineering

Notice

Date: 20/01/2021

It is notified for all the Mechanical and Civil Engineering students of the Third & Fourth Year that the Mechanical Department is going to organize Add-on Course on **“CNC Machining”**, from 05/02/2021 To 10/02/2021. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. **The last date of registration is 03-02-2021.** If any Query regarding add on course contact to Ms. Sonali Patil

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.



Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:

1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar

Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Peighar, Maharashtra 421303

1. About the Course

Course Name: CNC Machining

Course Summary:

The goal of this course is to teach persons with a technical background how to program and operate Computer Numerical Control (CNC) mills and lathes. This course bridges the gap between what persons with a technical education know and what they must learn to begin using CNC machine tools. The types of parts, materials and machining operations that engineers, innovators, and niche manufacturers often use are featured. Work holding techniques well suited to prototype and short-run production are detailed and used as examples

Enrollment Criteria:

1. Participants must be interested and Civil Engineering student (VII Sem. Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- Understand fundamentals of CNC
- Learn and Write CNC Part Programming
- Learn CNC Programming through CAD/CAM
- Understand machines like Chucking and Turning Centres, Machining Centres

Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3		3		4		3			3				3
CO2	3		3	4		3		3		3	3		3		
CO3	1		3							1			3		2
CO4	3		3							3			3		
Target	3	2	3	5		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

The learner is expected to have the following:

- Engineering or other technical degree or equivalent experience.
- Knowledge of the proper use of basic hand tools and precision measuring instruments, including calipers and micrometers.
- Some manual machining experience is helpful but not required.
- Knowledge of Solidworks is a pre-requisite or co-requisite for this course.

Course Duration: 30 Hours

Report of Add on Course from
February 05, 2021 to February 10, 2021

Course Outline:

Module	Contents	Hours
1	Introduction & CNC Process	5
2	Coordinate Systems	5
3	CNC Programming	5
4	CNC Operation	5
5	CNC Turning	5
6	3D Tool paths	5

REFERENCES:

1. CAD/CAM Principles and Applications, P. N. Rao, Tata McGraw Hill Publications
2. CNC Technology and Programming, Krar, S., and Gill, A., McGraw Hill Publishers.
3. CNC Programming for Machining, Kaushik Kumar, ChikeshRanjan, J. Paulo Davim, Springer Publication.
4. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd

1. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introduction & CNC Process Prototype vs. Production Machining	3 Hour	05/02/2021	09:30 to 12:30PM
2.	Overview of CAD/CAM Process	2 Hour	05/02/2021	01:30 to 04:30 PM
3	Cartesian Coordinate System 3D Cartesian Coordinate System	3 Hour	06/02/2021	09:30 to 12:30PM
4	Vertical Machining Center (VMC) Motion CNC Motion Control CNC Machine Coordinates	2 Hour	06/02/2021	01:30 to 04:30 PM
	Introduction to G Code CNC Language and Structure Program Format	3 Hour	07/02/2021	09:30 to 12:30PM



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Department of Mechanical Engineering

**Report of Add on Course from
February 05, 2021 to February 10, 2021**

6	Alphabetic & Special Character Address Codes Select G-Code Definitions	2 Hour	07/02/2021	01:30 to 04:30 PM
7	Overview of CNC Setup and Operation Machine and Tool Offsets Fixture Offset	3 Hour	08/02/2021	09:30 to 12:30PM
8	Start/Home Machine Load Tools	2 Hour	08/02/2021	01:30 to 04:30 PM
9	Lathe Components Lathe Coordinate System Tools and Tool Holders	3 Hour	09/02/2021	09:30 to 12:30PM
10	Cutting Speeds and Feeds Lathe Setup and Programming Example	2 Hour	09/02/2021	01:30 to 04:30 PM
11	3D Cutter Compensation 3D Toolpath Setups 3D Roughing	3Hour	10/02/2021	09:30 to 12:30PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	10/02/2021	01:30 to 03:30 PM



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District-Paighar, Maharashtra 421303

2. Enrolled Students List

S. N.	Reg. No	Name	Branch
1	2017016402647964	SHIROSHE AMIT VISHWANATH	ME-IV Sem.
2	2018016402536193	SHIRSAT PARAG SUHAS	ME-IV Sem
3	2018016402536703	BAHADKAR RAJAS KAMALAKAR	ME-IV Sem
4	2018016402536123	BAHIRAMKAR AKASH GOVIND	ME-IV Sem
5	2017016402618856	BASUDKAR SHUBHAM VIJAY	ME-IV Sem
6	2017016402618864	BHOIR SAURABH ANANT	ME-IV Sem
7	2018016402536773	BONDRE NIKET RAMESH	ME-IV Sem
8	2018016402536107	CHAUDHARI MOHIT HEMANT	ME-IV Sem
9	2018016402536645	CHAVAN SAIRAJ SHRIDHAR	ME-IV Sem
10	2018016402536796	CHAVAN VAIBHAV DNYANESHWAR	ME-IV Sem
11	2018016402536235	CHOUDHARY JITENDRA VAGARAM	ME-IV Sem
12	2017016402618937	CHOUDHARY PRABHASH	ME-IV Sem
13	2018016402536452	CHURI KAIVALYA PRAKASH	ME-IV Sem
14	2018016402536185	DHADAVE SANKET SUBHASH	ME-IV Sem
15	2018016402536154	DUBEY VIVEK OMPRAKASH	ME-IV Sem
16	2016016401230852	GAIKAR MITESH MANGESH	ME-IV Sem
17	2018016402536436	HIRAVE SAMIR VITTHAL	ME-IV Sem
18	2018016402536533	JETHWA PARAS RAMESHBHAI	ME-IV Sem
19	2018016402536347	JOSHI RACHIT GANGARAM	ME-IV Sem
20	2018016402536355	KACHGUNDE AKASH SHIVAJI	ME-IV Sem
21	2018016402536371	KANKAD AJIT MAHADU	ME-IV Sem
22	2018016402536115	KASURDE AAKASH SHANTARAM	ME-IV Sem
23	2018016402536444	KHARPUDE MAYUERSH VIJAY	ME-IV Sem
24	2018016402536572	KHOT YASH PRATAP	ME-IV Sem
25	2018016402536517	LAVANDE NAYAN SANJAY	ME-IV Sem
26	2018016402536757	LOKHANDE HARESHWAR NEMICHAND	ME-IV Sem
27	2018016402536243	MALI ROHAN GANESH	ME-IV Sem
28	2018016402536475	MALI SIDDHANT HARESHWAR	ME-IV Sem
29	2014016400971096	MEHER PRANAY TUSHAR	ME-IV Sem
30	2018016402536614	MHATRE NISHANT RAJESH	ME-IV Sem
31	2018016402536525	MHATRE PRATHAMESH SHARAD	ME-IV Sem
32	2017016402618945	MOHAMMED FARZAN MOHAMMED	ME-IV Sem
33	2018016402536332	MORE RAHUL HARISH	ME-IV Sem
34	2018016402536177	MORE SHIRISH SUDHAKAR	ME-IV Sem
35	2018016402536684	NARAYANAN ARUN SURESH	ME-IV Sem
36	2018016402536204	PARAB SAURABH RAVINDRA	ME-IV Sem
37	2018016402536413	PASHTE SUJIT JAGAN	ME-IV Sem
38	2018016402536282	PATARE SAGAR MOHAN	ME-IV Sem
39	2018016402536781	PATIL JAGRUT ASHOK	ME-IV Sem
40	2018016402536556	PATIL MITESH RAJESH	ME-IV Sem
41	201701640261413124	PAWASKAR SUSHIL SURESH	ME-IV Sem



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**Report of Add on Course from
February 05, 2021 to February 10, 2021**

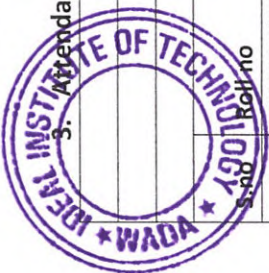
42	2018016402536661	PISE ASHISH SITARAM	ME-IV Sem
43	2018016402536502	PORIYA SAGAR BABUBHAI	ME-IV Sem
44	2018016402536483	PRASAD NITESH KUMAR PRADEEP	ME-IV Sem
45	2018016402536491	REWALE HIMANSHU SUDHIR	ME-IV Sem
46	2018016402536622	SANKHE ANIKET MANOHAR	ME-IV Sem
47	2018016402536073	SANKHE CHINMAY SUNIL	ME-IV Sem
48	2018016402536587	SATVI GAURAV DAYANAND	ME-IV Sem
49	2018016402536421	SHETTY PRAKASH BALKRISHNA	ME-IV Sem
50	2018016402536394	SONAWANE NINAD RAMESH	ME-IV Sem
51	2018016402536363	TAMBADA ROHIT DHAKATYA	ME-IV Sem
52	2018016402536096	TAMORE VIKRANT BHARAT	ME-IV Sem
53	2018016402536742	TOHKE HARSHAL PRAKASH	ME-IV Sem
54	2018016402536081	UJGAONKAR SHREYASH PRAKASH	ME-IV Sem
55	2018016402536131	VADE OMKAR PRAVIN	ME-IV Sem
56	2018016402536564	VARMA RANVIR VIJAY	ME-IV Sem
57	2018016402536595	VARTAK NISHANT PANKAJ	ME-IV Sem
58	2018016402536266	VARTAK PRACHIT VIJAY	ME-IV Sem
59	2018016402536162	VENGURLEKAR NIKHIL LAWOO	ME-IV Sem
60	2017016402361922	YADAV PANKAJ SURAJEEDEN	ME-IV Sem



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Attendance sheets of Enrolled students

Ideal Institute of Technology			Department of Mechanical Engineering						
Add on course on : Fundamental of CNC			Attendance						
Sl. No	Roll No	Branch	Name of students	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2017016402647964	ME	SHROSHE AMIT VISHWANATH	Ami t	Ami t	Ami t	Ami t	Ami t	Ami t
2	2018016402536193	ME	SHIRSAT PARAG SUHAS	Parag	Parag	Parag	Parag	Parag	Parag
3	2018016402536703	ME	BAHADKAR RAJAS KAMALAKAR	R.B	R.B	R.B	R.B	R.B	R.B
4	2018016402536123	ME	BAHIRAMIKAR AKASH GOVIND	Akash	Akash	Akash	Akash	Akash	Akash
5	2017016402618856	ME	BASUDKAR SHUBHAM VIJAY	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
6	2017016402618864	ME	BHOIR SAURABH ANANT	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
7	2018016402536773	ME	BONDRE NIKET RAMESH	Niket	Niket	Niket	Niket	Niket	Niket
8	2018016402536107	ME	CHAUDHARI MOHIT HEMANT	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit
9	2018016402536645	ME	CHAVAN SAIRAJ SHRIDHAR	Sairaj	Sairaj	Sairaj	Sairaj	Sairaj	Sairaj
10	2018016402536796	ME	CHAVAN VAIBHAV DNYANESHWAR	Chavan V	Chavan V	Chavan V	Chavan V	Chavan V	Chavan V
11	2018016402536235	ME	CHOUDHARY JITENDRA VAGARAM	Choudhary	Choudhary	Choudhary	Choudhary	Choudhary	Choudhary
12	2017016402618937	ME	CHOUDHARY PRABHASH	Prabhash	Prabhash	Prabhash	Prabhash	Prabhash	Prabhash
13	2018016402536452	ME	CHURI KAIVALYA PRAKASH	Churi	Churi	Churi	Churi	Churi	Churi
14	2018016402536185	ME	DHADAVE SANKET SUBHASH	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
15	2018016402536154	ME	DUBEY VIVEK OMPRAKASH	Dubey	Dubey	Dubey	Dubey	Dubey	Dubey
16	2016016401230852	ME	GAIKAR MITESH MANGESH	Gaikar	Gaikar	Gaikar	Gaikar	Gaikar	Gaikar
17	2018016402536436	ME	HIRAVE SAMIR VITTHAL	Hirave	Hirave	Hirave	Hirave	Hirave	Hirave
18	2018016402536533	ME	JETHWA PARAS RAMESHBHAI	Jethwa	Jethwa	Jethwa	Jethwa	Jethwa	Jethwa
19	2018016402536347	ME	JOSHI RACHIT GANGARAM	Joshi	Joshi	Joshi	Joshi	Joshi	Joshi
20	2018016402536355	ME	KACHGUNDE AKASH SHIVAJI	Akash	Akash	Akash	Akash	Akash	Akash
21	2018016402536371	ME	KANKAD AJIT MAHADU	Ajit	Ajit	Ajit	Ajit	Ajit	Ajit
22	2018016402536115	ME	KASURDE AAKASH SHANTARAM	Kasurde	Kasurde	Kasurde	Kasurde	Kasurde	Kasurde
23	2018016402536444	ME	KHARPUDE MAYURSH VIJAY	Kharpude	Kharpude	Kharpude	Kharpude	Kharpude	Kharpude
24	2018016402536572	ME	KHOT YASH PRATAP	Y.Khot	Y.Khot	Y.Khot	Y.Khot	Y.Khot	Y.Khot
25	2018016402536517	ME	LAVANDE NAYAN SANJAY	Nayan	Nayan	Nayan	Nayan	Nayan	Nayan
26	2018016402536757	ME	LOKHANDE HARESHWAR NEMICHAND	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande	Lokhande
27	2018016402536243	ME	MALI ROHAN GANESH	Mali	Mali	Mali	Mali	Mali	Mali
28	2018016402536475	ME	MALI SIDDHANT HARESHWAR	Mali	Mali	Mali	Mali	Mali	Mali
29	2014016400971096	ME	MEHER PRANAY TUSHAR	Meher	Meher	Meher	Meher	Meher	Meher
30	2018016402536614	ME	MHATRE NISHANT RAJESH	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre
31	2018016402536525	ME	MHATRE PRATHAMESH SHARAD	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre	Mhatre



32	2017016402618945	ME	MOHAMMED FARZAN MOHAMMED	Farzan	Farzan	Farzan	Farzan	Farzan	Farzan
33	2018016402536332	ME	MORE RAHUL HARISH	Farzan	Farzan	Farzan	Farzan	Farzan	Farzan
34	2018016402536177	ME	MORE SHIRISH SUDHAKAR	Shirish	Shirish	Shirish	Shirish	Shirish	Shirish
35	2018016402536684	ME	NARAYANAN ARUN SURESH	Narayan	Narayan	Narayan	Narayan	Narayan	Narayan
36	2018016402536204	ME	PARAB SAURABH RAVINDRA	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
37	2018016402536413	ME	PASHTA SUJIT JAGAN	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit
38	2018016402536282	ME	PATARE SAGAR MOHAN	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
39	2018016402536781	ME	PATIL JAGRUT ASHOK	Jagrut	Jagrut	Jagrut	Jagrut	Jagrut	Jagrut
40	2018016402536556	ME	PATIL MITESH RAJESH	Mitesh	Mitesh	Mitesh	Mitesh	Mitesh	Mitesh
41	2012016401413124	ME	PAWASKAR SUSHIL SURESH	Sushil	Sushil	Sushil	Sushil	Sushil	Sushil
42	2018016402536661	ME	PISE ASHISH SITARAM	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish
43	2018016402536502	ME	PORIYA SAGAR BABUBHAI	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
44	2018016402536483	ME	PRASAD NITESH KUMAR PRADEEP	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh
45	2018016402536491	ME	REWALE HIMANSHU SUDHIR	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu	Himanshu
46	2018016402536622	ME	SANKHE ANIKET MANOHAR	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
47	2018016402536073	ME	SANKHE CHINMAY SUNIL	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay
48	2018016402536587	ME	SATVI GAURAV DAYANAND	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
49	2018016402536421	ME	SHETTY PRAKASH BALKRISHNA	Prakash	Prakash	Prakash	Prakash	Prakash	Prakash
50	2018016402536394	ME	SONAWANE NINAD RAMESH	Ninad	Ninad	Ninad	Ninad	Ninad	Ninad
51	2018016402536363	ME	TAMBADA ROHIT DHAKATYA	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
52	2018016402536096	ME	TAMORE VIKRANT BHARAT	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant	Vikrant
53	2018016402536742	ME	TOHKE HARSHAL PRAKASH	Harshal	Harshal	Harshal	Harshal	Harshal	Harshal
54	2018016402536081	ME	UJGAONKAR SHREYASH PRAKASH	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash	Shreyash
55	2018016402536131	ME	VADE OMKAR PRAVIN	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
56	2018016402536564	ME	VARMA RANVIR VIJAY	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir
57	2018016402536595	ME	VARTAK NISHANT PANKAJ	Nishant	Nishant	Nishant	Nishant	Nishant	Nishant
58	2018016402536266	ME	VARTAK PRACHIT VIJAY	Prachit	Prachit	Prachit	Prachit	Prachit	Prachit
59	2018016402536162	ME	VENGURLEKAR NIKHIL LAWOO	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
60	2017016402361922	ME	YADAV PANKAJ SURAJEEDEN	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj

Report of Add on Course from
February 05,2021 to February 10,2021

Marks of Eligible Candidate

S.no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2017016402647964	ME	SHIROSHE AMIT VISHWANATH	9	7	8	24
2	2018016402536193	ME	SHIRSAT PARAG SUHAS	8	9	7	24
3	2018016402536703	ME	BAHADKAR RAJAS KAMALAKAR	7	7	9	23
4	2018016402536123	ME	BAHIRAMKAR AKASH GOVIND	8	9	7	24
5	2017016402618856	ME	BASUDKAR SHUBHAM VIJAY	9	8	8	25
6	2017016402618864	ME	BHOIR SAURABH ANANT	7	7	7	21
7	2018016402536773	ME	BONDRE NIKET RAMESH	9	9	8	26
8	2018016402536107	ME	CHAUDHARI MOHIT HEMANT	7	9	9	25
9	2018016402536645	ME	CHAVAN SAIRAJ SHRIDHAR	8	8	7	23
10	2018016402536796	ME	CHAVAN VAIBHAV DNYANESHWAR	9	8	9	26
11	2018016402536235	ME	CHOUDHARY JITENDRA VAGARAM	9	9	7	25
12	2017016402618937	ME	CHOUDHARY PRABHASH	7	9	7	23
13	2018016402536452	ME	CHURI KAIVALYA PRAKASH	9	8	8	25
14	2018016402536185	ME	DHADAVE SANKET SUBHASH	7	8	8	23
15	2016016401230852	ME	GAIKAR MITESH MANGESH	8	7	7	22
16	2018016402536436	ME	HIRAVE SAMIR VITTHAL	9	7	8	24
17	2018016402536533	ME	JETHWA PARAS RAMESHBHAI	8	7	9	24
18	2018016402536347	ME	JOSHI RACHIT GANGARAM	7	9	7	23
19	2018016402536355	ME	KACHGUNDE AKASH SHIVAJI	9	8	9	26
20	2018016402536371	ME	KANKAD AJIT MAHADU	8	7	7	22
21	2018016402536115	ME	KASURDE AAKASH SHANTARAM	8	9	8	25
22	2018016402536444	ME	KHARPUDE MAYUERSH VIJAY	9	7	7	23
23	2018016402536572	ME	KHOT YASH PRATAP	7	9	8	24
24	2018016402536517	ME	LAVANDE NAYAN SANJAY	8	8	7	23
25	2018016402536757	ME	LOKHANDE HARESHWAR NEMICHAND	9	8	9	26
26	2018016402536243	ME	MALI ROHAN GANESH	9	8	9	26
27	2018016402536475	ME	MALI SIDDHANT HARESHWAR	8	8	7	23
28	2014016400971096	ME	MEHER PRANAY TUSHAR	7	8	8	23
29	2018016402536525	ME	MHATRE PRATHAMESH SHARAD	9	8	8	25
30	2017016402618945	ME	MOHAMMED FARZAN MOHAMMED	9	9	7	25
31	2018016402536332	ME	MORE RAHUL HARISH	7	8	9	24
32	2018016402536177	ME	MORE SHIRISH SUDHAKAR	9	7	9	25
33	2018016402536684	ME	NARAYANAN ARUN SURESH	7	8	8	23
34	2018016402536204	ME	PARAB SAURABH RAVINDRA	8	7	7	22
35	2018016402536413	ME	PASHTHE SUJIT JAGAN	9	9	7	25
36	2018016402536282	ME	PATARE SAGAR MOHAN	9	8	7	24
37	2018016402536781	ME	PATIL JAGRUT ASHOK	7	8	7	22
38	2018016402536556	ME	PATIL MITESH RAJESH	7	8	9	24
39	2012016401413714	ME	PAWASKAR SUSHIL SURESH	7	7	7	21
40	2018016402536661	ME	PISE ASHISH SITARAM	9	8	9	26
41	2018016402536502	ME	PORIYA SAGAR BABUBHAI	8	9	7	24
42	2018016402536483	ME	PRASAD NITESH KUMAR PRADEEP	7	7	7	21



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**Report of Add on Course from
February 05,2021 to February 10,2021**

CNC Machining

43	2018016402536622	ME	SANKHE ANIKET MANOHAR	7	9	7	23
44	2018016402536073	ME	SANKHE CHINMAY SUNIL	7	7	9	23
45	2018016402536587	ME	SATVI GAURAV DAYANAND	9	8	7	24
46	2018016402536421	ME	SHETTY PRAKASH BALKRISHNA	9	7	9	25
47	2018016402536394	ME	SONAWANE NINAD RAMESH	9	7	9	25
48	2018016402536363	ME	TAMBADA ROHIT DHAKATYA	9	8	8	25
49	2018016402536096	ME	TAMORE VIKRANT BHARAT	7	9	9	25
50	2018016402536742	ME	TOHKE HARSHAL PRAKASH	9	8	7	24
51	2018016402536131	ME	VADE OMKAR PRAVIN	9	9	8	26
52	2018016402536564	ME	VARMA RANVIR VIJAY	9	9	7	25
53	2018016402536595	ME	VARTAK NISHANT PANKAJ	9	7	9	25
54	2018016402536266	ME	VARTAK PRACHIT VIJAY	8	7	7	22
55	2018016402536162	ME	VENGURLEKAR NIKHIL LAWOO	9	7	7	23
56	2017016402361922	ME	YADAV PANKAJ SURAJEEDEN	8	8	8	24

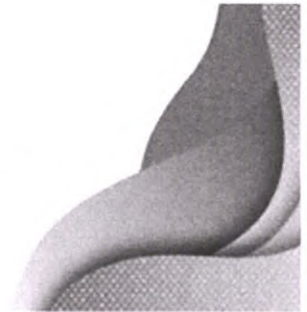


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4. Certificate:



*IDEAL INSTITUTE
OF TECHNOLOGY*



CERTIFICATE

OF COMPLETION

THE FOLLOWING AWARD IS GIVEN TO

BODAKE KUNAL BHASKAR

Student of VII Semester Registration Number 2020016402247275 for successfully completing the
30-hour course on **CNC Machine**

Mr. Pramod Kumar
HOD,(Mechanical)

Mr. Anil Kr. Chaurasiya
Coordinator



Vikram N.
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District-Palghar, Maharashtra 421303

8. Photos



Vijay N. N.
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District-Paighar, Maharashtra 421303

Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	32	3	3	2	1
The course content was:	33	4	2	1	0
The instructor's contribution to the course was:	32	5	2	1	0
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	33	4	2	1	0
Explanations by instructor were:	31	5	2	1	1
Instructor's use of examples and illustrations was:	32	4	3	1	0
Student's confidence in instructor's knowledge was:	32	5	3	0	0
Answers to student questions were:	34	3	2	1	0
Availability of extra help when needed was:	33	5	2	0	0
Instructor's interest in student's progress was:	32	4	3	1	0
Relevance of course content was:	33	4	1	1	1
Please give overall rating of the course	34	3	2	1	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.



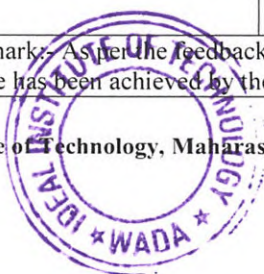
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Optional – Your name and contact address.

**Report of Add on Course from
February 05,2021 to February 10,2021**

CNC Machining

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	3	3	2	1	Objective Achieved - Excellent & Very Good (87.5%)
		80.0%	7.5%	7.5%	5.0%	0.0%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	5.0%	2.5%	0.0%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	5.0%	2.5%	0.0%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	2	0	0	Objective Achieved - Excellent & Very Good (95.0%)
		85.0%	10.0%	5.0%	0.0%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	5.0%	2.5%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	5	2	1	1	Objective Achieved - Excellent & Very Good (90.0%)
		77.5%	12.5%	5.0%	2.5%	2.5%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	4	3	1	0	Objective Achieved - Excellent & Very Good (90%)
		80.0%	10.0%	7.5%	2.5%	0.0%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	3	0	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	7.5%	0.0%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	5	2	0	0	Objective Achieved - Excellent & Very Good (95%)
		82.5%	12.5%	5.0%	0.0%	0.0%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	4	3	1	0	Objective Achieved - Excellent & Very Good (92%)
		80.0%	10.0%	7.5%	2.5%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	1	1	1	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	2.5%	2.5%	2.5%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	
Overall Remarks: As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							



A Report of

Add on Course

On

“3-D Printing”

(AOC-DEP-ME-3DP)

21th – 26th September, 2020

Coordinated by

Mr. Prakash Jah

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

Posheri, Wada, Dist. Palghar, Maharashtra - 421303

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)

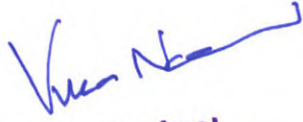



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Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Marks Of Eligible Students
7. Certificates of eligible students
8. Student feedback for course
9. Course Session Photo




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1. Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

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About the Course:

- ❖ 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 18 September, 2020

Contact Person: Mr. Prakash Jah



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Department of Mechanical Engineering

Notice

Date: 08/09/2020

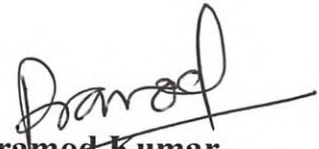
It is notified that Mechanical Department is going to organize Add-on Course on “3-D Printing”, for all final year students of mechanical engineering from 21/09/2020 to 26/09/2020. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. The last date of registration is 18-09-2020. For any Query regarding add on course please contact to course coordinator Mr. Prakash Jah.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Prakash Jah
Coordinator


Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:



1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar


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2. About the Course

Course Name: 3-D Printing

Course Summary: 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry. This program on 3D Printing helps the participants understand the design, functioning and operation of a basic 3D Printer. It's distinct ability to manufacture complex shapes and structures has already made it invaluable for the production of prototypes such as engine manifolds for the automotive industry and tools such as investment casting moulds in the jewellery and aeronautical industries. This workshop will provide clear and comprehensive coverage of this exciting new technology.

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

1. Learn about the materials, designing of CAD models, working of a 3D Printer
2. Understand how to build and calibrate a 3D printer
3. Understand the basics of G code generation
4. The participants will get 3D printed models that they design

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding the design aspects of the 3D printable file
- The process of a consumer-level 3D printer
- FDM methodology.
- 3D printing case studies.
- Materials for Consumer 3D Printing



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Course Duration: 30 Hours

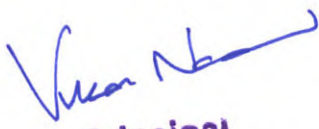
Course Outline:

Module	Contents	Hours
1	Introduction	5
2	Algorithms used in design	5
3	Assembly	5
4	Demonstration of 3D Printing	5
5	Hardware & Software skills	5
6	Industrial 3D Printers ,Q&A	5

REFERENCES:

1. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd.
2. Biomaterials, artificial organs and tissue engineering, Edited by Larry L. Hench and Julian R. Jones, Woodhead Publishing and Maney Publishing, CRC Press 2005
3. Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, I. Gibson I D. W. Rosen I B. Stucker, Springer Publication.
4. Rapid Prototyping and Manufacturing, P. F. Jacobs, Society of Manufacturing Engineers




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3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introductory lecture on 3D printer and Rapid Prototyping	2.5 Hour	21 Sept 2020	09:30 to 12:00 PM
2.	Introduction to RepRap Arduino electronic controller Materials used for printing	2.5 Hour	21 Sept 2020	01:30 to 04:00 PM
3	Concepts of CAD Algorithms used in design	2.5 Hour	22 Sept 2020	09:30 to 12:00PM
4	Design of Assembly (Spur gear, Helical screw, simple design)	2.5 Hour	22 Sept 2020	01:30 to 04:00 PM
5	Introduction to G Code	2.5 Hour	23 Sept 2020	09:30 to 12:30PM
6	Demonstration of 3D Printer assembly	2.5 Hour	23 Sept 2020	01:30 to 04:00 PM
7	Testing and calibration of 3D Printer	2.5 Hour	24 Sept 2020	09:30 to 12:00PM
8	Demonstration of 3D Printing	2.5 Hour	24 Sept 2020	01:30 to 04:00 PM
9	Hardware skills - How to build an Ender 3 3D printer - How to calibrate, service & look after the printer - How to clean up parts and get the ready for assembly	2.5 Hour	25 Sept 2020	09:30 to 12:00PM
10	Software skills Basics of FUSION 360 (The CAD program we use to 3D model parts)	2.5 Hour	25 Sept 2020	01:30 to 04:00 PM

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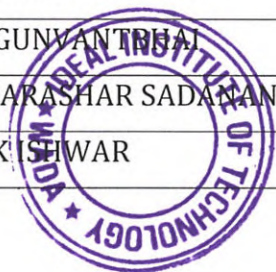
	• Designing for 3D printing • Basics of CURA (The program that virtually slices the parts to be printed)			
11	Types of Industrial 3D Printers	2.5 Hour	26 Sept 2020	09:30 to 12:00PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	26 Sept 2020	01:30 to 03:30 PM




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4. List of Enrolled Students

S.No.	Student Name	Enrollment Number	Branch	Year
1	AHER AKSHAY VIJAY	2020016402246880	CE	II
2	ASHISH MEPA PATEL	2020016402245210	CE	II
3	BHADANGE RAJESH SHIVRAM	2020016402245220	CE	II
4	BHALERAO VISHAL RATNAKAR	2020016402247320	CE	II
5	BINNAR VAIBHAV VALIBA	2020016402247290	CE	II
6	BUDHAR NISHIKANT RAVI	2020016402247370	CE	II
7	DAYANAND NAVAJI CHAUDHARI	2020016402247400	CE	II
8	DHULSADA MILIND BALKRISHNA	2020016402247360	CE	II
9	DINANATH SARAF	2020016402247410	CE	II
10	DONGARKAR RAHUL SURESH	2020016402247070	CE	II
11	GHATAL VINOD PRABHAKAR	2020016402247390	CE	II
12	HADAL PAWANKUMAR VINOD	2020016402247300	CE	II
13	JOSHI BHAVESH VASANT	2020016402247330	CE	II
14	KAMADI PUJA KISAN	2020016402246900	CE	II
15	KEYUR ATUL SHAH	2020016402245310	CE	II
16	KINI PRADNYA BALARAM	2020016402247160	CE	II
17	NISHIKANT AMRUT UMTOL	2020016402245200	CE	II
18	PATEKAR GAURAV SUDESH	2020016402247340	CE	II
19	PATIL CHIRAG SANJAY	2020016402247010	CE	II
20	PATIL RUTIK VIJAY	2020016402245130	CE	II
21	PATIL SANGHAVI VILAS	2020016402247030	CE	II
22	PUNJARI TEJAL ANANTA	2020016402245140	CE	II
23	RANDIVE VAIBHAV MADHUKAR	2020016402247420	CE	II
24	RASAL UMESH CHINTU	2020016402247350	CE	II
25	RAUT ONKAR MURALIDHAR	2020016402247380	CE	II
26	RHISHABH OMPRAKASH SHUKLA	2020016402247110	CE	II
27	SAIRAJ SADANAND PATIL	2020016402247080	CE	II
28	TANK JAY GUNVANT RAJ	2020016402247310	CE	II
29	VYAPARI PARASHAR SADANAND	2020016402247200	CE	II
30	VYAS RITIK SHIVAR	2020016402247150	CE	II



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5. Attendance sheets of Enrolled students

Ideal Institute of Technology

Department of Mechanical Engineering

Add on course on : 3-D Printing

S.no	Enrollment Number	Branch	Name of students	Attendance					
				Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2020016402246880	Civil	AHER AKSHAY VIJAY	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
	2020016402245210	Civil	ASHISH MEPA PATEL	A Patel	A Patel	A Patel	A Patel	A Patel	A Patel
	2020016402245220	Civil	BHADANGE RAJESH SHIVRAM	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
4	2020016402247320	Civil	BHALERAO VISHAL RATNAKAR	VR	VR	VR	VR	VR	VR
5	2020016402247290	Civil	BINNAR VAIBHAV VALIBA	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
6	2020016402247370	Civil	BUDHAR NISHIKANT RAVI	Budhar	Budhar	Budhar	Budhar	Budhar	Budhar
7	2020016402247400	Civil	DAYANAND NAVAJI CHAUDHARI	N Navaji	N Navaji	N Navaji	N Navaji	N Navaji	N Navaji
8	2020016402247360	Civil	DHULSADA MILIND BALKRISHNA	Milind	Milind	Milind	Milind	Milind	Milind
9	2020016402247410	Civil	DINANATH SARAF						
10	2020016402247070	Civil	DONGARKAR RAHUL SURESH	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
11	2020016402247390	Civil	GHATAL VINOD PRABHAKAR	Vinod	Vinod	Vinod	Vinod	Vinod	Vinod
12	2020016402247300	Civil	HADAL PAWANKUMAR VINOD	Hadal	Hadal	Hadal	Hadal	Hadal	Hadal
13	2020016402247330	Civil	JOSHI BHAVESH VASANT	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh
14	2020016402246900	Civil	KAMADI PUJA KISAN	Puja	Puja	Puja	Puja	Puja	Puja
15	2020016402245310	Civil	KEYUR ATUL SHAH	Atul	Atul	Atul	Atul	Atul	Atul
16	2020016402247160	Civil	KINI PRADNYA BALARAM	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya	Pradnya
17	2020016402245200	Civil	NISHIKANT AMRUT UMTOL	Amrut	Amrut	Amrut	Amrut	Amrut	Amrut
18	2020016402247340	Civil	PATEKAR GAURAV SUDESH	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
19	2020016402247010	Civil	PATIL CHIRAG SANJAY	Chirag	Chirag	Chirag	Chirag	Chirag	Chirag
20	2020016402245130	Civil	PATIL RUTIK VIJAY	Rutik	Rutik	Rutik	Rutik	Rutik	Rutik
21	2020016402247030	Civil	PATIL SANGHAVI VILAS	Sanghavi	Sanghavi	Sanghavi	Sanghavi	Sanghavi	Sanghavi
22	2020016402245140	Civil	PUNJARI TEJAL ANANTA	Tejal	Tejal	Tejal	Tejal	Tejal	Tejal
23	2020016402247420	Civil	RANDIVE VAIBHAV MADHUKAR	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
24	2020016402247350	Civil	RASAL UMESH CHINTU	Umesh	Umesh	Umesh	Umesh	Umesh	Umesh
25	2020016402247380	Civil	RAUT ONKAR MURALIDHAR	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar
26	2020016402247110	Civil	RHISHABH OMPRAKASH SHUKLA	RS	RS	RS	RS	RS	RS
27	2020016402247080	Civil	SAIRAJ SADANAND PATIL	Sairaj	Sairaj	Sairaj	Sairaj	Sairaj	Sairaj
28	2020016402247310	Civil	TANK JAY GUNVANTBHAI	Jay	Jay	Jay	Jay	Jay	Jay
29	2020016402247200	Civil	VYAPARI PARASHAR SADANAND	Parashar	Parashar	Parashar	Parashar	Parashar	Parashar
30	2020016402247150	Civil	VYAS RITIK ISHWAR	Ritik	Ritik	Ritik	Ritik	Ritik	Ritik



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6. Marks of Eligible Candidate

S.No	Enrollment Number	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2020016402246880	Civil	AHER AKSHAY VIJAY	8	9	7	24
2	2020016402245210	Civil	ASHISH MEPA PATEL	7	8	7	22
3	2020016402245220	Civil	BHADANGE RAJESH SHIVRAM	9	6	7	22
4	2020016402247320	Civil	BHALERAO VISHAL RATNAKAR	6	8	6	20
5	2020016402247290	Civil	BINNAR VAIBHAV VALIBA	9	9	8	26
6	2020016402247370	Civil	BUDHAR NISHIKANT RAVI	8	8	7	23
7	2020016402247400	Civil	DAYANAND NAVAJI CHAUDHARI	8	8		24
8	2020016402247360	Civil	DHULSADA MILIND BALKRISHNA	7	6	5	18
9	2020016402247070	Civil	DONGARKAR RAHUL SURESH	6	8	7	21
10	2020016402247390	Civil	GHATAL VINOD PRABHAKAR	9	7	6	22
11	2020016402247300	Civil	HADAL PAWANKUMAR VINOD	5	8	7	20
12	2020016402247330	Civil	JOSHI BHAVESH VASANT	6	7	9	22
13	2020016402246900	Civil	KAMADI PUJA KISAN	8	8	8	24
14	2020016402245310	Civil	KEYUR ATUL SHAH	8	9	7	24
15	2020016402247160	Civil	KINI PRADNYA BALARAM	7	8	7	22
16	2020016402245200	Civil	NISHIKANT AMRUT UMTOL	9	6	7	22
17	2020016402247010	Civil	PATIL CHIRAG SANJAY	6	8	6	20
18	2020016402245130	Civil	PATIL RUTIK VIJAY	9	9	8	26
19	2020016402247030	Civil	PATIL SANGHAVI VILAS	8	8	7	23
20	2020016402245140	Civil	PUNJARI TEJAL ANANTA	8	8		24
21	2020016402247420	Civil	RANDIVE VAIBHAV MADHUKAR	7	6	5	18
22	2020016402247350	Civil	RASAL UMESH CHINTU	6	8	7	21
23	2020016402247380	Civil	RAUT ONKAR MURALIDHAR	9	7	6	22
24	2020016402247110	Civil	RHISHABH OMPRAKASH SHUKLA	9	7	6	22
25	2020016402247080	Civil	SAIRAJ SADANAND PATIL	5	8	7	20
26	2020016402247310	Civil	TANK JAY GUNVANTBHAI	6	7	9	22
27	2020016402247200	Civil	VYAPARI PARASHAR SADANAND	8	8	8	24
28	2020016402247150	Civil	VYAS RISHIKESHVAR	6	5	9	20



7. Certificate:

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CERTIFICATE

This is to Certify that Mr./Miss
of Class College ^{has}
Participated actively in held on
He/She secured Position.

DATE

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Department of Mechanical

8. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	27	4	4	1	0
The course content was:	24	5	5	2	0
The instructor's contribution to the course was:	25	7	4	0	0
The instructor's effectiveness in teaching the subject matter was:	28	5	3	0	0
Course Organization was:	30	4	2	0	0
Explanations by instructor were:	26	6	3	1	0
Instructor's use of examples and illustrations was:	25	5	5	1	0
Student's confidence in instructor's knowledge was:	24	5	5	2	0
Answers to student questions were:	25	7	4	0	0
Availability of extra help when needed was:	28	5	3	0	0
Instructor's interest in student's progress was:	30	4	2	0	0
Relevance of course content was:	26	6	3	1	0
Please give overall rating of the course	25	5	5	1	0



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Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (86.14%)
		27	4	4	1	0	
		75	11.14	11.14	2.77	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (83.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (78.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
Overall Remark: As per the feedback study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							



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9. Photos



Vikram N. N.

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A Report of

Value Added

Course On

**“Autonomous Vehicles”
(VAC-ENGG-ME-AV)**

21th - 25th September, 2020

Coordinated by

Dr. Pramod Kumar

Organized by



Department of Mechanical Engineering

IDEAL INSTITUTE OF TECHNOLOGY

State- Maharashtra, (India)



Vivek Sharma
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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6. Marks of Eligible Candidate
7. Sample Certificate
8. Course Session Photos
9. Student feedback for course




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1. Value added Course Brochure

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B.E. courses. Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering, Electrical Engineering. Courses offered by institute are approving AICTE and affiliated to University of Mumbai.

About the Course

The value-added course on Autonomous Vehicles is designed to provide students with a comprehensive understanding of the technology, principles, challenges, and applications of autonomous vehicles (AVs). Through a blend of theoretical knowledge and practical exercises, students will explore the intricate components and systems that enable vehicles to operate autonomously. The course aims to equip learners with the skills and insights necessary to navigate the evolving landscape of transportation, automation, and mobility.




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**Ideal College of Engineering
Department of Mechanical Engineering**

Notice

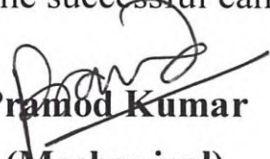
Date: 14/09/2020

It is notified the Department is going to organize Add-on Course on (VAC-ENGG-MECH-AV) **“Autonomous Vehicles”**. The duration of the course will be **off 35 contact hours** which will be covered in a week.

Interested bonafide students are advised to register themselves. **The last date of registration is 18/09/2020**. If any Query regarding add on course contact to Dr. Pramod Kumar.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Pramod Kumar
HOD (Mechanical)


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2. About the Course

Course Name: Autonomous Vehicles (AOC-ENGG-ME-AV)

Course Summary: Research and Development (R & D) plays a vital role in the overall progress of a country. The quality of research in the field of science and technology help in progressive growth of society in all the aspects. Research either in experimental and theoretical form is always appreciated, because without the support of theoretical research it is very difficult to achieve the goals within the stipulated time. A Autonomous Vehicles gives validity to the research and also provides scientifically sound findings. It also provides a detailed plan that helps to keep researchers on track, making the process smooth, effective and manageable. The findings of research need acceptability before its practical application in the industry or society. Focus of the course is to equip the students with fundamentals of Autonomous Vehicles. The objective is to make students aware of research ethics that must be followed while pursuing research work.

Enrollment Criteria:

1. Participants must be interested and engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Understand the foundational principles of autonomous vehicle technology, including sensing, perception, decision-making, and control systems.
- b. Explore the various levels of automation in vehicles and distinguish between semi-autonomous and fully autonomous driving capabilities.
- c. Analyze the societal, economic, and environmental impacts of autonomous vehicles on transportation systems, urban planning, and sustainability.
- d. Evaluate the legal, ethical, and regulatory frameworks governing the deployment and operation of autonomous vehicles in different jurisdictions.
- e. Gain hands-on experience in programming, simulation, and testing of autonomous vehicle algorithms and software platforms.
- f. Collaborate in interdisciplinary teams to develop innovative solutions and applications leveraging autonomous vehicle technology.



g. Critically assess the safety, reliability, and cybersecurity challenges associated with autonomous vehicles and propose mitigation strategies.

h. Investigate emerging trends, research developments, and industry advancements shaping the future of autonomous mobility.

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

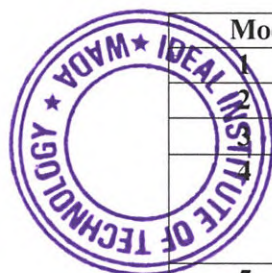
Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of research techniques and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Autonomous Vehicles.
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from research its value in new developments.

COURSE DURATION: 35 HOURS

Course Outline:



Module	Contents	
1	Introduction to Autonomous Vehicles	7
	Fundamentals of Autonomous Systems	7
	Levels of Automation and Vehicle Autonomy	7
	Implications of Autonomous, Vehicles Legal, Ethical, and Regulatory Considerations	7
5	Practical Applications and Case Studies, . Hands-on Labs and Projects Future Directions and Emerging Technologies	7

Vijay N
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References

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- Wayne Goddard and Stuart Melville, "Autonomous Vehicles: An Introduction"
- Ranjit Kumar, 2nd Edition, "Autonomous Vehicles: A Step by Step Guide for beginners"
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- Mayall, "Industrial Design", McGraw Hill, 1992.
- Niebel, "Product Design", McGraw Hill, 1974.
- Asimov, "Introduction to Design", Prentice Hall, 1962
- Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New Technological Age", 2016.
- T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008




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3. Q Sheet

S. No	Activity	Duration	Date	Time
1.	Historical perspective Key terminology and definitions Evolution of autonomous driving technologies	4 Hour	Sep 21, 2020	09:00 AM to 01:00PM
2.	Sensors and perception algorithms Localization and mapping techniques Decision-making and path planning algorithms	3 Hour	Sep 21, 2020	02:00AM to 05:00 PM
3	Understanding SAE levels of automation Case studies of semi-autonomous and fully autonomous vehicles Human-machine interface design considerations	4 Hour	Sep 22, 2020	09:00 AM to 01:00 PM
4	Urban mobility and congestion management Economic impacts on transportation industries	3 Hour	Sep 22, 2020	02:00AM to 05:00 PM
5	Environmental sustainability and energy efficiency Liability and insurance frameworks	4 Hour	Sep 23, 2020	09:00 AM to 01:00PM
6	Privacy and data protection concerns International standards and agreements	3 Hour	Sep 23, 2020	02:00PM to 05:00 PM
7	Autonomous vehicle simulations and virtual environments Real-world deployment challenges and case studies	4 Hour	Sep 24, 2020	09:00 AM to 01:00PM
8	Business models and market trends in autonomous mobility Programming exercises using simulation platforms (e.g., ROS, Carla)	3 Hour	Sep 24, 2020	02:00PM to 05:00 PM
9	Algorithm development for perception, planning, and control Project-based assignments focusing on autonomous vehicle development and testing	4 Hour	Sep 25, 2020	09:00 AM to 01:00PM

Report of Add on Course from
21th - 25th September 2020

Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)

10	Advanced sensor technologies (e.g., LiDAR, RADAR, cameras) Artificial intelligence and machine learning in autonomous systems Integration with smart infrastructure and connected vehicle networks	3 Hour	Sep 25, 2020	02:00PM to 05:00 PM
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4. Enrolled Students List

S.No.	Student Name	Enrollment Number	Branch	Year
1	ALAV VINAY NARAYAN	2020016402247004	CSE	II
2	BARI SHRUTI ANANT	2020016402246651	CSE	II
3	BHIAMSHRIYA VISHAL PAWANKUMAR	2020016402245237	CSE	II
4	CHIRAG HARISH PATEL	2020016402246956	CSE	II
5	DEV VIPUL RAM NAGINA	2020016402247171	CSE	II
6	DEVANG RAJARAM PATIL	2019016402351752	CSE	II
7	FAISAL ANWAR KHAN	2020016402247252	CSE	II
8	GAWADE PURVA PRAKASH	2020016402246763	CSE	II
9	HANKARE ADITYA AMRUT	2020016402246666	CSE	II
10	HEMANT PAL	2020016402246987	CSE	II
11	JADHAV DHANASHREE GAJANAN	2017016401568495	CSE	II
12	KHAIRNAR GEETAI MADHAV	2020016402247132	CSE	II
13	KHANVILKAR DURVESH SUNIL	2020016402246972	CSE	II
14	KHONDE VEDANT SANJAY	2020016402246813	CSE	II
15	KUMBHAR HRISHIKESH SUNIL	2020016402246724	CSE	II
16	MAIDHAM VAMSHIK SHANKAR	2020016402246964	CSE	II
17	MALI YASH SHEKHAR	2020016402245187	CSE	II
18	MORE DNYANESHWARI SANJAY	2020016402246682	CSE	II
19	PATIL MANASVI ARVIND	2020016402246697	CSE	II
20	PATIL NIVEDITA PRABHAKAR	2020016402246747	CSE	II
21	PATIL SAYALI SUNIL	2020016402246867	CSE	II
22	PATIL SHUBHAM ANIL	2020016402246771	CSE	II
23	PAWAR PRATIK ASHOK	2020016402245195	CSE	II
24	PUNDGE RATAN AMBAR	2020016402247097	CSE	II
25	RATHOD RAJAT PRATAP	2020016402246995	CSE	II
26	RIDDHI SUNIL GHARAT	2020016402246925	CSE	II
27	ROSHANI PATHAK	2019016402352144	CSE	II
28	RUCHITA NANDKUMAR PATIL	2020016402246643	CSE	II
29	RUSHIKESH KASHINATH DHAWADE	2020016402247027	CSE	II
30	RUTUJA SANTOSH GORADKAR	2020016402246852	CSE	II
31	SANDEEP NANDU NARVADE	2020016402247244	CSE	II
32	SHAH VATS AJAY	2020016402246755	CSE	II
33	SHAIKH SHAYAAN SHAMSHAD	2019016402351744	CSE	II
34	SHARMA ADITYAKUMAR PRADEEP	2020016402246674	CSE	II
35	SHARMA ASHUTOSH ANIL	2020016402247051	CSE	II
36	SHINDE JATIN MANOJ	2020016402246933	CSE	II
37	SURVE MRUNAL SANJAY	2020016402246716	CSE	II

Report of Add on Course from
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Autonomous Vehicles

(VAC-DEP-ENGG-ME-AV)

38	VISAWADIA ZIL RAJESH	2020016402246701	CSE	II
39	YADAV DEEPAK BAIDYANATH	2020016402246732	CSE	II
40	YADAV ISHA RAKESH	2020016402247194	CSE	II



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Attendance sheets of Enrolled students



IDEAL INSTITUTE OF ENGINEERING, MAHARASHTRA							
Department of Mechanical Engineering							
Final year Value added course on RM (Autonomous Vehicles)							
Sl. No.	Name	Attendance					
		1	2	3	4	5	6
1	ALAV VINAY NARAYAN	D	D	D	D	D	D
2	BARI SHRUTI ANANT	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut
3	BHAMSHRIYA VISHAL PAWANKUMAR	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal
4	CHIRAG HARISH PATEL	R	R	R	R	R	R
5	DEV VIPUL RAM NAGINA	R	R	R	R	R	R
6	DEVANG RAJARAM PATIL	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil	D.Patil
7	FAISAL ANWAR KHAN	Akhan	Akhan	Akhan	Akhan	Akhan	Akhan
8	GAWADE PURVA PRAKASH	R	R	R	R	R	R
9	HANKARE ADITYA AMRUT	aditya	aditya	aditya	aditya	aditya	aditya
10	HEMANT PAL	H.Pal	H.Pal	H.Pal	H.Pal	H.Pal	H.Pal
11	JADHAV DHANASHREE GAJANAN	D	D	D	D	D	D
12	KHAIRNAR GEETAI MADHAV	geetai	geetai	geetai	geetai	geetai	geetai
13	KHANVILKAR DURVESH SUNIL	Dgk	Dgk	Dgk	Dgk	Dgk	Dgk
14	KHONDE VEDANT SANJAY	Vedant	Vedant	Vedant	Vedant	Vedant	Vedant
15	KUMBHAR HRISHIKESH SUNIL	—	Hgk	Hgk	—	—	—
16	MAIDHAM VAMSHIK SHANKAR	Vamshik	Vamshik	Vamshik	Vamshik	Vamshik	Vamshik
17	MALI YASH SHEKHAR	Y.S.Mali	Y.S.Mali	Y.S.Mali	Y.S.Mali	Y.S.Mali	Y.S.Mali

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18	MORE DNYANESHWARI SANJAY	S	S	S	S	S	S	S	S	S	S	S
19	PATIL MANASVI ARVIND	Man	Man	Man	Man	Man	Man	Man	Man	Man	Man	Man
20	PATIL NIVEDITA PRABHAKAR	D	D	D	D	D	D	D	D	D	D	D
21	PATIL SAYALI SUNIL	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali	Sayali
22	PATIL SHUBHAM ANIL	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
23	PAWAR PRATIK ASHOK	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
24	PUNDGE RATAN AMBAR	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan	Ratan
25	RATHOD RAJAT PRATAP	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
26	RIDDHI SUNIL GHARAT	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
27	ROSHANI PATHAK	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani	Roshani
28	RUCHITA NANDKUMAR PATIL	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi	Ruchi
29	RUSHIKESH KASHINATH DHAWADE	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi	Kashi
30	RUTUJA SANTOSH GORADKAR	-	-	-	-	-	-	-	-	-	-	-
31	SANDEEP NANDU NARVADE	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
32	SHAH VATS AJAY	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
33	SHAIKH SHAYAAN SHAMSHAD	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
34	SHARMA ADITYAKUMAR PRADEEP	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
35	SHARMA ASHUTOSH ANIL	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash
36	SHINDE JATIN MANOJ	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin



Report of Add on Course from
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Autonomous Vehicles
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37	SURVE MRUNAL SANJAY	Prvi	Med	Med	Med	Med	Med
38	VISAWADIA ZIL RAJESH	R	R	R	R	R	R
39	YADAV DEEPAK BAIDYANATH	Deepak	Deepak	Deepak	Deepak	Deepak	Deepak
40	YADAV ISHA RAKESH	Isha	Isha	Isha	Isha	Isha	Isha



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Report of Value added Course from
21th - 25th September 2020

6. Marks of Eligible Candidate

S. N.	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	ALAV VINAY NARAYAN	8	9	8	25
2	BARI SHRUTI ANANT	7	10	8	25
3	BHIAMSHRIYA VISHAL PAWANKUMAR	8	8	8	24
4	CHIRAG HARISH PATEL	9	9	8	26
5	DEVANG RAJARAM PATIL	7	8	5	20
6	FAISAL ANWAR KHAN	8	7	7	22
7	GAWADE PURVA PRAKASH	9	5	8	22
8	HANKARE ADITYA AMRUT	8	8	9	25
9	JADHAV DHANASHREE GAJANAN	5	9	8	22
10	KHAIRNAR GEETAI MADHAV	4	8	5	17
11	KHANVILKAR DURVESH SUNIL	7	7	5	19
12	KHONDE VEDANT SANJAY	8	5	2	15
13	MAIDHAM VAMSHIK SHANKAR	6	2	4	12
14	MALI YASH SHEKHAR	5	2	7	14
15	MORE DNYANESHWARI SANJAY	8	5	8	21
16	PATIL MANASVI ARVIND	7	8	5	20
17	PATIL SAYALI SUNIL	5	7	8	20
18	PATIL SHUBHAM ANIL	6	9	9	24
19	PAWAR PRATIK ASHOK	4	5	9	18
	PUNDGE RATAN AMBAR	1	8	9	18
21	RIDDHI SUNIL GHARAT	7	7	9	23
22	ROSHANI PATHAK	5	9	10	24
23	RUCHITA NANDKUMAR PATIL	4	8	5	17
24	RUSHIKESH KASHINATH DHAWADE	7	7	5	19
25	SANDEEP NANDU NARVADE	8	5	2	15
26	SHAH VATS AJAY	7	7	8	22
27	SHAIKH SHAYAAN SHAMSHAD	9	7	8	24
28	SHARMA ADITYAKUMAR PRADEEP	9	7	8	24
29	SHINDE JATIN MANOJ	9	7	8	24
30	SURVE MRUNAL SANJAY	9	7	9	25
31	VISAWADIA ZIL RAJESH	9	8	7	24
32	YADAV DEEPAK BAIDYANATH	7	7	8	22
33	YADAV ISHA RAKESH	8	7	9	24

Vikram
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7. Sample Certificate



IDEAL College of Engineering, Maharashtra



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CERTIFICATE

This is to Certify that Mr./Miss
_____ has
of Class _____
Participated actively in _____
held on _____

He / She secured _____ Position.

DATE

SECRETARY

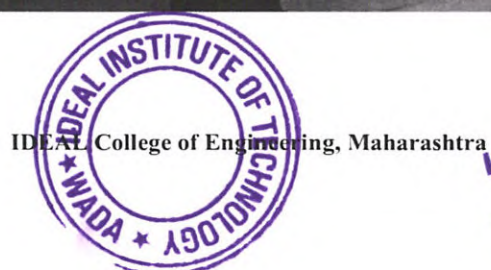
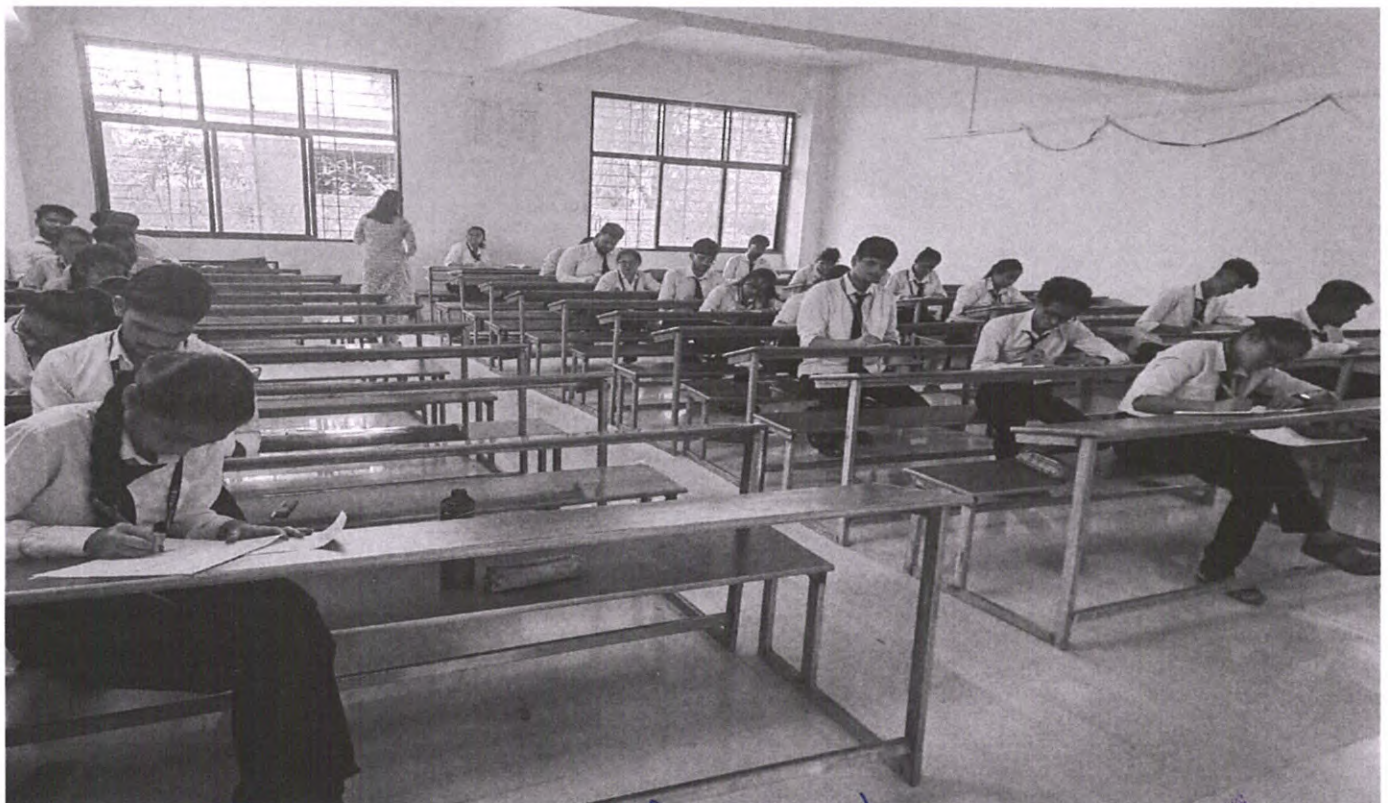


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V. K. N.
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Department of Mechanical Engineering

8. Course Session Photo



Vivek N. Joshi
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Department of Mechanical Engineering

9. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	31	5	4	0	0
The course content was:	33	3	3	2	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	30	5	3	2	0
Explanations by instructor were:	32	6	2	0	0
Instructor's use of examples and illustrations was:	33	3	2	1	1
Student's confidence in instructor's knowledge was:	34	2	4	0	0
Answers to student questions were:	31	5	3	1	0
Availability of extra help when needed was:	33	2	3	1	1
Instructor's interest in student's progress was:	34	3	2	1	0
Relevance of course content was:	33	5	1	1	0
Please give overall rating of the course	32	4	3	1	0



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**Report of Add on Course from
21th - 25th September 2020**

Autonomous Vehicles

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	10.0%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (85%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	10.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	12.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	15.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	5.0%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (90%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	5.0%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	5.0%	7.5%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (87.5%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	7.5%	5.0%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	12.5%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (95%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	10.0%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							

IDEAL College of Engineering, Maharashtra

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Department of Mechanical Engineering

A REPORT

on

An Add-on Course

on

“Intellectual Property Rights and Patent”

(AOC-DEP-ME-IPRP)

From

5th February-10th February, 2021



Organized By:

Vikram N. N.
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Department of Mechanical
Ideal Institute of Technology, Wada

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S. No.	Chapter
1	Add on Course Brochure
2	About the Course
3	Q Sheet
4	Enrolled Students List
5	Attendance sheets of enrolled students
6	Certificates of eligible students
7	Student feedback for course
8	Course Session Photos



Vikram Namdeo
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1. ADD-ON COURSE BROCHURE

IDEAL INSTITUTE OF TECHNOLOGY, WADA

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B. Tech courses. Candidate can pursue B. Tech, with the stream of Engineering. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE.

About the course

The Value-Added Course on Intellectual Property Rights (IPR) is designed to provide students with a comprehensive understanding of intellectual property laws, regulations, and best practices. Through interactive lectures, case studies, and practical exercises, students explore various aspects of IPR, including patents, trademarks, copyrights, and trade secrets. The course covers topics such as the importance of protecting intellectual property, the process of obtaining patents and trademarks, strategies for managing and enforcing intellectual property rights, and the implications of intellectual property infringement. Students also learn about the role of intellectual property in fostering innovation, entrepreneurship, and economic development.



Guest lectures by industry experts and legal professionals provide real-world insights into the practical application of IPR principles in different sectors. By the end of the course, students develop a deeper appreciation for the value of intellectual property and its significance in the modern global economy.

Schedule

5th -10th February, 2021

Last date for registration 3rd February, 2021

Eligibility

Applicants should be of 3rd year Computer Engineering

Course Fee

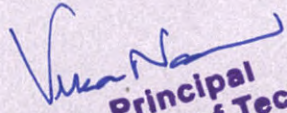
This course is totally free for institute students

Contact Us

http://idealwada.com/about_mech.php

For course Registration and query:

For any query contact to HOD


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Ideal Institute of Technology, Wada
Department of Mechanical Engineering

Notice

Date: 15-01-2021

It is notified for all the students of 3rd Year Computer Engineering that the Department is going to organize Add-on Course on (AOC-DEP-ME-IPR) “Intellectual Property rights”, for final for their benefits in the near future. The duration of the course will be of 30 contact hours which will be covered from 5th February-10th February, 2021.

Interested bonafide students are advised to register themselves. **The last date of registration is 02-02-2021.** If any Query regarding add on course contact to head of department.

Note:

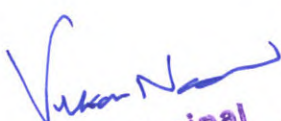
The course is free of cost.

Minimum 70% attendance is mandatory.

The successful candidates will be issued certificates by the college.



HOD



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2. ABOUT THE COURSE

Course Name: Intellectual Property Rights (AOC-DEP-MECH-IPRP)

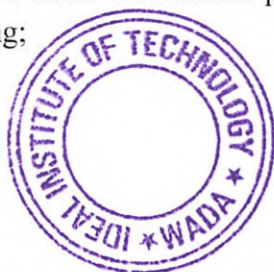
Course Summary: Intellectual property is the currency of the tech world. The engineering patent for Lipitor generated over \$100 billion in revenue, the copyright for the Harry Potter franchise has generated over \$25 billion to date, and the trademarked brands of the world's largest tech companies now eclipse \$100 billion in value. But what makes these intangible assets so valuable. Through the courses in this specialization, you will learn the differences between the various forms of U.S. intellectual property rights, including patents, copyrights, and trademarks, and their various applications to human innovations. Drawing from that knowledge, you will then work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. After completing these hands-on projects, you will have the necessary framework to craft integrated intellectual property strategies tailored to an organization's core business goals.

Enrollment Criteria:

1. Participants must be interested and engineering student
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Identify different types of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways to create and to extract value from IP.
- b. Recognize the crucial role of IP in organizations of different industrial sectors for the purposes of product and technology development.
- c. Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the precautions steps to be taken to prevent infringement of proprietary rights in products and technology development.
- d. Be familiar with the processes of Intellectual Property Management (IPM) and various approaches for IPM and conducting IP and IPM auditing and explain how IP can be managed as a strategic resource and suggest IPM strategy.
- e. Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.
- f. Be able to demonstrate a capacity to identify, apply and assess ownership rights and marketing protection under intellectual property law as applicable to information, ideas, new products and product marketing;



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Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

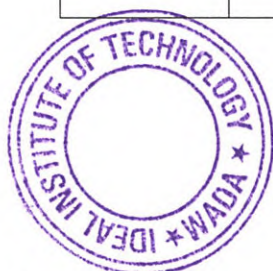
Course Prerequisite:

- Understanding, defining and differentiating different types of intellectual properties (IPs) and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Intellectual Property (IP).
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from IP and leverage its value in new product and service development
- Exposing to the Legal management of IP and understanding of real life practice of IPM.

Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	7
2	Copyrights	7
3	Patents	7
4	Trademarks	7
5	Design Method and Other form of IP	7



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BOOK REFERENCES

1. Intellectual Property Law" by Lionel Bently and Brad Sherman
2. Understanding Intellectual Property Law" by Donald S. Chisum and Tyler T. Ochoa
3. Principles of Intellectual Property" by Rochelle C. Dreyfuss and Jane C. Ginsburg
4. Intellectual Property: A Very Short Introduction" by Siva Vaidhyanathan
5. Patent Law and Policy: Cases and Materials" by Robert Patrick Merges, John Fitzgerald Duffy, and Mark D. Janis.
6. Copyright Law: A Practitioner's Guide" by Lloyd J. Jassin and Steven C. Schechter
7. Trademark Law: A Practitioner's Guide" by Siegrun D. Kane



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3. Q SHEET

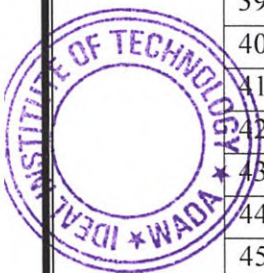
S. No	Activity	Duration	Date	Time
1.	Basic concept of Intellectual Proper Nature of Intellectual Property right	3 Hour	Feb 5, 2021	10:00 AM to 01:00 PM
2.	Justifications for protection of Subject matter. Original literary	3 Hour	Feb 5, 2021	02:00AM to 05:00 PM
3	Dramatic, musical, artistic work films, Sound, recordings	3 Hour	Feb 6, 2021	10:00 AM to 01:00 PM
4	Term of copyright, Rights of owner Patent Act 1970-amendmentsof 1999,2000,2002 and 2005	3 Hour	Feb 6, 2021	02:00AM to 05:00 PM
5	Patentable subject matter Process and patent protection	3 Hour	Feb 7, 2021	10:00 AM to 01:00 PM
6	Patenting	3 Hour	Feb 7, 2021	02:00PM to 05:00 PM
7	Introduction to Trademark Need for, Protection	3 Hour	Feb 8, 2021	10:00 AM to 01:00 PM
8	Registration of trademark	3 Hour	Feb 8, 2021	02:00PM to 05:00 PM
9	Meaning design protection	3 Hour	Feb 9, 2021	10:00 AM to 01:00 PM
10	Concept of original design Trade-secret: Meaning. Criteria or Protection	3 Hour	Feb 10, 2021	10:00AM to 01:00 PM



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4. ENROLLED STUDENTS LIST

S. No.	Name of Student	PRN	Branch	Year
1	Ansari Abuzar Mohd. Shahid	2018016402224664	CSE	III
2	Bhanushali Trimbaki Sudhir	2019016402364427	CSE	III
3	Bhatt Shubham Ravi	2019016402364137	CSE	III
4	Bhimsaria Aakash Pawan	2019016402364524	CSE	III
5	Bhoir Hrushikesh Rajendra	2019016402364377	CSE	III
6	Bhosale Aakash Anant	2019016402364296	CSE	III
7	Bonde Parth Shyam	2019016402364443	CSE	III
8	Chaturvedi Samiksha	2019016402364184	CSE	III
9	Rajesh	2019016402364412	CSE	III
10	Chaudhari Kunjal Hemant	2018016402224784	CSE	III
11	Chaudhari Virendra Maniram	2019016402364122	CSE	III
12	Chavan Swati Suresh	2019016402364393	CSE	III
13	Doshi Prit Anil	2019016402364226	CSE	III
14	Gade Kunal Ajay	2019016402364145	CSE	III
15	Gavli Riya Ravindra	2019016402364555	CSE	III
16	Gawad Manali Shashikant	2019016402364354	CSE	III
17	Gharat Nishant Pandhari	2019016402364307	CSE	III
18	Gupta Sahil Manoj	2019016402364466	CSE	III
19	Jadhav Manali Mangesh	2019016402364516	CSE	III
20	Jadhav Sahil Sunil	2018016402224753	CSE	III
21	Jaiswal Pradeep Nanhu	2019016402364265	CSE	III
22	Jamsandekar Kausthubh	2019016402364257	CSE	III
23	Kamble Akash Anant	2019016402364273	CSE	III
24	Kamthe Shruti Prakash	2019016402364547	CSE	III
25	Kandpal Chetan Harish	2019016402364385	CSE	III
26	Kowale Vaibhav Mohan	2019016402364532	CSE	III
27	Madoo Mohammad Asil	2019016402364346	CSE	III
28	Mali Bhavika Atul	2017016401556826	CSE	III
29	Meher Prarthana Suresh	2019016402364161	CSE	III
30	More Bhavesh Parshuram	2018016402224672	CSE	III
31	Nadar Shrihari Ravi	2019016402364234	CSE	III
32	Nagotkar Harshali Yashwant	2019016402364176	CSE	III
33	Naik Rasika Raghunath	2019016402364315	CSE	III
34	Nalawade Siddharth Sunil	2018016402224625	CSE	III
35	Naykar Shakti Babu	2018016402224656	CSE	III
36	Pal Amit Achchhelal	2019016402364501	CSE	III
37	"Panchal Keval	2019016402364203	CSE	III
38	Bipinchandra"	2018016402224714	CSE	III
39	Pandey Anurag Ghanshyam	2019016402364435	CSE	III
40	Patil Bhavika Bhaskar	2019016402364242	CSE	III
41	Patil Neha Pandurang	2019016402364211	CSE	III
42	Patil Shreyas Vilas	2019016402364474	CSE	III
43	Patil Shubham Satish	2019016402364482	CSE	III
44	Patil Varun Anil	2019016402364153	CSE	III
45	Pote Siddhi Vijay	2019016402364404	CSE	III
46	Raul Sayali Vilas	2014016401412154	CSE	III
47	Raut Pratik Moreshwar	2019016402364497	CSE	III



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48	Raut Saloni Nilesh	2019016402364281	CSE	III
49	Ritik Sanjay Paturkar	2019016402364451	CSE	III
50	Sakpal Ritvik Vijay	2019016402364586	CSE	III
51	Sargar Krutika Dipak	2019016402364331	CSE	III
52	Shaikh Anwar Ali Asgar Ali	2019016402364563	CSE	III
53	Shaikh Husain Mukim	2018016402224776	CSE	III
54	Shaikh Mohd Shadab Ahmed	2019016402364192	CSE	III



Vikram Narayan
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S. No.	Name of Student	PRN	1	2	3	4	5	6	7	8	9	10
1	Ansari Abuzar Mohd.	2018016402224664	A	A	A	A	A	A	A	A	A	A
2	Bhanushali Trimbaki Sudhir	2019016402364427	P	P	P	A	P	P	P	P	P	P
3	Bhatt Shubham Ravi	2019016402364137	P	P	P	P	P	A	P	P	P	P
4	Bhimsaria Aakash Pawan	2019016402364524	P	P	P	P	P	A	P	P	P	P
5	Bhoir Hrushikesh Rajendra	2019016402364377	P	P	P	P	P	P	P	P	P	P
6	Bhosale Aakash Anant	2019016402364296	P	A	P	P	P	P	P	P	P	P
7	Bonde Parth Shyam	2019016402364443	P	P	P	P	P	P	P	P	P	P
8	Chaturvedi Samiksha	2019016402364184	P	P	P	P	P	A	P	P	P	P
9	Rajesh	2019016402364412	P	P	P	P	A	A	A	A	A	P
10	Chaudhari Kunjal Hemant	2018016402224784	P	A	P	P	P	P	P	P	P	P
11	Chaudhari Virendra	2019016402364122	P	P	P	P	P	P	P	P	P	P
12	Chavan Swati Suresh	2019016402364393	P	P	P	P	A	A	P	P	P	P
13	Doshi Prit Anil	2019016402364226	P	P	P	P	P	P	P	P	P	P
14	Gade Kunal Ajay	2019016402364145	P	P	P	P	P	P	P	P	A	P
15	Gavli Riya Ravindra	2019016402364555	P	P	P	P	P	A	P	P	P	P
16	Gawad Manali Shashikant	2019016402364354	P	P	P	P	P	P	P	P	P	P
17	Gharat Nishant Pandhari	2019016402364307	P	A	P	P	P	P	P	P	P	P
18	Gupta Sahil Manoj	2019016402364466	P	P	P	P	P	P	P	P	P	P
19	Jadhav Manali Mangesh	2019016402364516	P	P	P	P	P	P	P	P	P	P
20	Jadhav Sahil Sunil	2018016402224753	P	P	P	P	P	A	P	P	P	P
21	Jaiswal Pradeep Nanhu	2019016402364265	A	A	A	A	A	A	A	A	A	A
22	Jamsandekar Kausthubh	2019016402364257	P	P	P	P	P	P	P	P	P	P
23	Kamble Akash Anant	2019016402364273	P	P	P	P	P	P	P	P	P	P
24	Kamthe Shruti Prakash	2019016402364547	P	P	P	P	P	P	P	P	A	P
25	Kandpal Chetan Harish	2019016402364385	P	P	P	P	P	P	P	P	P	P
26	Kowale Vaibhav Mohan	2019016402364532	P	P	P	P	P	P	P	P	P	P
27	Madoo Mohammad Asil	2019016402364346	P	P	P	P	P	P	P	P	P	P
28	Mali Bhavika Atul	2017016401556826	P	A	A	A	A	A	A	P	P	P
29	Meher Prarthana Suresh	2019016402364161	P	P	P	P	P	P	P	P	P	P
30	More Bhavesh Parshuram	2018016402224672	P	P	P	P	P	P	P	P	P	P
31	Nadar Shrihari Ravi	2019016402364234	P	P	P	P	P	P	P	P	P	P
32	Nagotkar Harshali	2019016402364176	P	P	P	P	P	P	P	P	P	P
33	Naik Rasika Raghunath	2019016402364315	P	P	P	P	P	P	P	P	P	P
34	Nalawade Siddharth Sunil	2018016402224625	P	P	P	P	P	P	P	P	P	P
35	Naykar Shakti Babu	2018016402224656	P	P	P	P	P	P	P	P	P	P
36	Pal Amit Achchhelal	2019016402364501	P	P	P	P	P	P	P	P	P	P
37	Panchal Keval	2019016402364203	P	P	A	A	A	A	A	A	A	A
38	Bipinchandra	2018016402224714	P	P	P	P	P	P	P	P	P	P
39	Pandey Anurag Ghanshyam	2019016402364435	P	P	P	P	P	P	P	P	P	P
40	Patil Bhavika Bhaskar	2019016402364242	P	P	P	P	A	P	P	P	P	P
41	Patil Neha Pandurang	2019016402364211	P	P	P	P	P	P	P	P	P	P
42	Patil Shreyas Vilas	2019016402364474	P	P	P	P	P	P	P	P	P	P
43	Patil Shubham Satish	2019016402364482	P	P	P	P	P	P	P	P	P	P
44	Patil Varun Anil	2019016402364153	P	P	P	P	P	P	P	P	P	P
45	Pote Siddhi Vijay	2019016402364404	P	P	P	A	P	P	P	P	P	P
46	Raul Sayali Vilas	2014016401412154	P	P	P	P	P	P	P	P	P	P
47	Raut Pratik Moreshwar	2019016402364497	A	A	A	A	A	A	A	A	P	P
48	Raut Saloni Nilesh	2019016402364281	P	P	P	P	P	P	P	P	P	P
49	Ritik Sanjay Paturkar	2019016402364451	A	P	P	P	P	P	P	P	P	P
50	Sakpal Ritvik Vijay	2019016402364586	P	P	P	P	P	A	P	P	P	P
51	Sargar Krutika Dipak	2019016402364331	P	P	P	P	P	P	P	P	P	P
52	Shaikh Anwar Ali Asgar Ali	2019016402364563	P	P	P	P	P	P	P	P	P	P
53	Shaikh Hussain Mukim	2018016402224776	P	P	P	P	P	P	P	P	P	P
54	Shaikh Mohd Shadab	2019016402364192	P	P	P	P	P	P	P	P	P	P

6. CERTIFICATES OF ELIGIBLE STUDENTS



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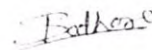
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

It is certify that **Mr. Bhanushali Trimbaki Sudhir**
ID: 2019016402364427 Year IIIrd Branch Computer
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 5th February-
10th February, 2021.



HOD



Coordinator

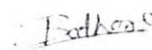
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

It is certify that **Mr. Bhatt Shubham Ravi** ID:
2019016402364137 Year IIIrd Branch Computer
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 5th February-
10th February, 2021.

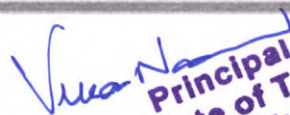


HOD



Coordinator




Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

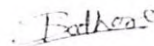
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

It is certify that **Mr. Bhimsaria Aakash Pawan**
ID: 2019016402364524 Year IIIrd Branch **Computer**
Engineering successfully completed an **Add-on Course** on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from **5th February-**
10th February, 2021.



HOD



Coordinator

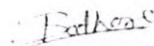
**IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA**

CERTIFICATE

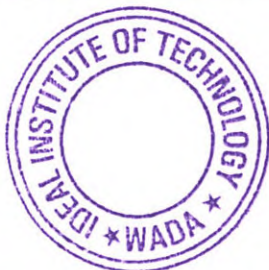
It is certify that **Mr. Bhoir Hrushikesh Rajendra**
ID: 2019016402364377 Year IIIrd Branch **Computer**
Engineering successfully completed an **Add-on Course** on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from **5th February-**
10th February, 2021.

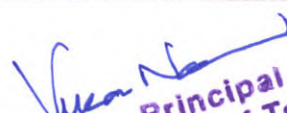


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7. FEED BACK ANALYSIS

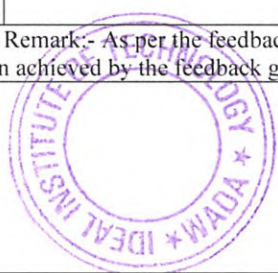
Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	33	5	2	0	0
The course content was:	33	3	2	2	0
The instructor's contribution to the course was:	31	3	3	2	1
The instructor's effectiveness in teaching the subject matter was:	32	3	3	2	0
Course Organization was:	32	5	2	1	0
Explanations by instructor were:	34	4	2	0	0
Instructor's use of examples and illustrations was:	32	3	3	2	0
Student's confidence in instructor's knowledge was:	33	5	1	1	0
Answers to student questions were:	30	5	3	1	1
Availability of extra help when needed was:	32	5	2	1	0
Instructor's interest in student's progress was:	33	5	3	0	0
Relevance of course content was:	33	4	2	1	0
Please give overall rating of the course	34	3	2	1	0



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Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (95.0%)
		33	5	2	0	0	
		82.5%	12.5%	5.0%	0.0%	0.0%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (90.0%)
		33	3	2	2	0	
		82.5%	7.5%	5.0%	5.0%	0.0%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (85.0%)
		31	3	3	2	1	
		77.5%	7.5%	7.5%	5.0%	2.5%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (87.5%)
		32	3	3	2	0	
		80.0%	7.5%	7.5%	5.0%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (92.5%)
		32	5	2	1	0	
		80.0%	12.5%	5.0%	2.5%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (95.0%)
		34	4	2	0	0	
		85.0%	10.0%	5.0%	0.0%	0.0%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (87.5%)
		32	3	3	2	0	
		80.0%	7.5%	7.5%	5.0%	0.0%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (95.0%)
		33	5	1	1	0	
		82.5%	12.5%	2.5%	2.5%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (87.5%)
		30	5	3	1	1	
		75.0%	12.5%	7.5%	2.5%	2.5%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (92.5%)
		32	5	2	1	0	
		80.0%	12.5%	5.0%	2.5%	0.0%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (95.0%)
		33	5	3	0	0	
		82.5%	12.5%	7.5%	0.0%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (92.5%)
		33	4	2	1	0	
		82.5%	10.0%	5.0%	2.5%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (92.5%)
		34	3	2	1	0	
		85.0%	7.5%	5.0%	2.5%	0.0%	

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.



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8. PHOTO



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At Post-Peshori, Taluka-Wada,
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A Report of
Add on Course
On
“Air and Water Pollution”
(AOC-DEP-CE-AWP)

February 05, 2021 to February 10, 2021

Coordinated by

Mr. Govind Gehlot

Organized by



Department of Civil Engineering

Ideal Institute of Technology,

Posheri, Wada- 421303

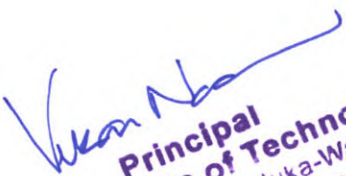



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Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photos




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1. Add on Course Brochure

About the College:

Ideal Institute of Technology, Wada is an AICTE approved engineering college, established in 2013 under the umbrella of Ideal Foundation. The institute is approved by All India Council of Technical Education (AICTE), New Delhi, recognized by Government of Maharashtra and is affiliated to University of Mumbai. Ideal Institute of Technology has laid its foundation in the serene and picturesque setting of Poshneri Village of Wada taluka. With the untiring efforts of the management, this college has been successful in creating educational and economic possibilities in the adjacent rural communities and in providing a refined education system.

Course Offered:

At Ideal Institute of Technology, we offer a 4-year B.E. degree program, approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to University of Mumbai, in the following discipline-

- Mechanical Engineering
- Computer Engineering
- Civil Engineering
- Electrical engineering
- Electronic & Telecommunication Engineering

About The Course:

Air and Water pollution both are very harmful to human existence on this planet. Air and water are the most precious natural resources which are present in abundance but we misuse and abuse them. The pollution in any of these has a serious effect on the lives of humans and animals alike. Air and water pollution if abused to the maximum level can't be turned back on immediately, several diseases and disorders previously unknown to humans have been identified as a consequence of air and water getting polluted with poisonous substances which are released from chemical and other such environment degrading industries. Like humans, the health of the planet is also getting affected when we choke the air it breezes and pollute the water that flows on it.



V. K. N. N.
Principal
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IDEAL INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and DTE Maharashtra. Affiliated to University of Mumbai.

www.idealwada.com

Scope of Engineering as a Profession

Today, engineering is considered to be one of the most sought-after career choices for students studying in the Science stream. This is because this course allows individuals to develop skills and expertise which are required to lead a thriving career. By pursuing an engineering degree students can open doors to a plethora of career prospects. From Mechanical and Civil to Computer engineering and Electronics, every branch of engineering has something new in store for its aspirants

CIVIL ENGINEERING

Civil Engineering is another professional branch that deals with the design, construction, and maintenance of the physically built environment including parks, dams, bridges, roads, etc. Almost everything that you see on the city plan is the work of a civil engineer.

After completion of this degree, students get to work as:

- * Building Control Surveyor
- * CAD Technician
- * Consulting Civil Engineer
- * Contracting Civil Engineer
- * Design Engineer
- * Site Engineer
- * Structural Engineer
- * Water Engineer
- * Rural and Urban Transport Engineer.
- * Construction and Building Engineering




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**Ideal Institute of Technology
Department of Civil Engineering**

Notice

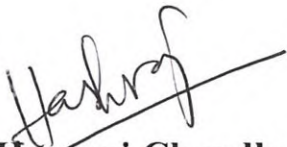
Date: 23/01/2021

It is notified for all the students of the Engineering Department is going to organize Add-on Course on (AOC-DEP-CE-AWP) “**Air and Water Pollution**”, for their benefits in the near future. The duration of the course will be off 30 contact hours which will be covered in 1 week.

Interested bonafide students are advised to register themselves. **The last date of registration is 04-02-2021.** If any Query regarding add on course contact to Mr. Govind Gehlot

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Hansraj Chaudhary
HOD (Civil)


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2. About the Course

Course Name: Air and Water Pollution (AOC-DEP-CE-AWP)

Course Summary: This course is designed to expose students to various aspects of environmental management and the concept of sustainability. The topics discussed include the principles of sustainable development, understanding the environmentally sensitive area particularly the natural water bodies, catchment management, development of coastal and inland areas. At the end of the course, the students should be able to understand the concept of Air and Water Pollution and present it through effective communication. The course enables the students to understand, plan and incorporate the concept of sustainability in environmental management.

Enrollment Criteria:

1. Participants must be interested and engineering student.
2. Must provide the NOC if from other department.

Course Outcomes:

- Understand the concept of Air and Water Pollution.
- Understand ecosystem and interdependence, food chain etc.
- Understand and interpret environment related legislations

Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	-	-	3	3	-	-	-	-	2
CO2	3	3	3	3	3	-	-	-	3	3	-	3
CO3	3	3	3	3	3	-	-	-	2	2	-	3
CO4	3	3	3	3	3	2	2	2	3	3	-	3
CO5	3	3	2	2	-	3	-	-	-	-	-	2
CO6	3	3	2	-	-	-	-	-	-	-	-	-

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Duration: 30 Hours



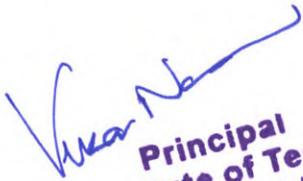
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Module	Contents	Hours
1	Introduction the Air and Water Pollution Era	4
2	Air and Water Pollution Readiness Enabling Conditions	5
3	Air and Water Pollution Value Creation and Capture	5
4	Air and Water Pollution Cost Considerations	5
5	Business case consideration – Hypothetical model 220	5
6	Key message and position for the industry	6

REFERENCES:

1. A Handbook of Air and Water Pollution Edited by Jon C. Lovett and David G. Ockwell, Edward Elgar Publishing.
2. Environmental Management: Principles and Practice, C J Barrow, Routledge Publishers London, 1999.
3. Environmental Management: An Indian Perspective, S N Chary and Vinod Vyasulu, Macmillan India, 2000.
4. The Politics of Environmental Discourse: Ecological Modernisation and the Policy Process. Oxford, Oxford University Press.




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3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introduction the Air and Water Pollution Era	4 Hour	05-02-2021	10:00AM to 12:00 PM 1.00PM to 3.00PM
2.	Air and Water Pollution Readiness Enabling Conditions	5 Hour	06-02-2021	10:00AM to 1:00 PM 2:00PM to 4:00 PM
3	Air and Water Pollution Value Creation and Capture	5 Hour	07-02-2021	10:00AM to 1:00 PM 2:00PM to 4:00 PM
4	Air and Water Pollution Cost Considerations	5 Hour	08-02-2021	10:00AM to 1:00 PM 2:00PM to 4:00 PM
5	Business case consideration – Hypothetical model 220	5 Hour	09-02-2021	10:00AM to 1:00 PM 2:00PM to 4:00 PM
6	Key message and position for the industry	6 Hour	10-02-2021	9:30AM to 1:00 PM 2:00PM to 4:30 PM



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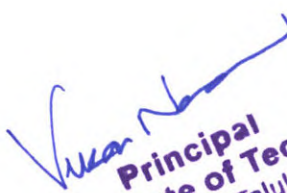
4. Enrolled Students List

S.N.	Enrollment No /PRN	Name
1	2020016402245357	BARI SHRUTI ANANT
2	2020016402245342	BHIAMSHRIYA VISHAL PAWANKUMAR
3	2020016402245326	CHIRAG HARISH PATEL
4	2020016402245334	DEV VIPUL RAM NAGINA
5	2020016402129895	DEVANG RAJARAM PATIL (RAJASHREE)
6	2021016402240357	FAISAL ANWAR KHAN
7	2021016402241496	GAWADE PURVA PRAKASH
8	2020016402127293	HANKARE ADITYA AMRUT
9	2021016402240326	HEMANT PAL
10	2021016402240373	JADHAV DHANASHREE GAJANAN
11	2021016402227875	KHAIRNAR GEETAI MADHAV
12	2021016402225087	KHANVILKAR DURVESH SUNIL
13	2015016402236372	KHONDE VEDANT SANJAY
14	2015016401551274	KUMBHAR HRISHIKESH SUNIL
15	2020016402245164	MAIDHAM VAMSHIK SHANKAR
16	2019016402352063	MALI YASH SHEKHAR
17	2020016402247437	MORE DNYANESHWARI SANJAY
18	2020016402245253	PATIL MANASVI ARVIND
19	2020016402247186	PATIL NIVEDITA PRABHAKAR
20	2020016402245156	PATIL SAYALI SUNIL
21	2020016402245125	PATIL SHUBHAM ANIL
22	2020016402247221	PAWAR PRATIK ASHOK
23	2020016402247097	PUNDGE RATAN AMBAR
24	2020016402246995	RATHOD RAJAT PRATAP

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25	2020016402246925	RIDDHI SUNIL GHARAT
26	2019016402352144	ROSHANI PATHAK (MAMTA PATHAK)
27	2020016402246643	RUCHITA NANDKUMAR PATIL
28	2020016402247027	RUSHIKESH KASHINATH DHAWADE
29	2020016402246852	RUTUJA SANTOSH GORADKAR
30	2020016402247244	SANDEEP NANDU NARVADE
31	2020016402246755	SHAH VATS AJAY
32	2019016402351744	SHAIKH SHAYAAN SHAMSHAD (SHABANA)
33	2020016402246674	SHARMA ADITYAKUMAR PRADEEP
34	2020016402247051	SHARMA ASHUTOSH ANIL
35	2020016402246933	SHINDE JATIN MANOJ




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alled students

Ideal Institute of Technology

Department of Civil Engineering

V Sem. Add on Course on: Air and Water Pollution



	Enrollment No /PRN	Name	Attendance					
			Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2020016402245357	BARI SHRUTI ANANT	Sbari	Sbari	Sbari	Sbari	Sbari	Sbari
2	2020016402245342	BHIAMSHRIYA VISHAL PAWANKUMAR	Qishul	Qishul	Qishul	Qishul	Qishul	Qishul
3	2020016402245326	CHIRAG HARISH PATEL	hadrish	hadrish	hadrish	hadrish	hadrish	hadrish
4	2020016402245334	DEV VIPUL RAM NAGINA	vipul	vipul	vipul	vipul	vipul	vipul
5	2020016402129895	DEVANG RAJARAM PATIL (RAJASHREE)	R	R	R	R	R	R
6	2021016402240357	FAISAL ANWAR KHAN	Anwar	Anwar	Anwar	Anwar	Anwar	Anwar
7	2021016402241496	GAWADE PURVA PRAKASH	Purva	Purva	Purva	Purva	Purva	Purva
8	2020016402127293	HANKARE ADITYA AMRUT	A	A	A	A	A	A
9	2021016402240326	HEMANT PAL	Hemant	Hemant	Hemant	Hemant	Hemant	Hemant

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**Report of Add on Course from
February 05, 2021 to February 10, 2021**

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28	2020016402247027	RUSHIKESH KASHINATH DHAWADE	Rubini	Rubini	Rubini	Rubini	Rubini	Rubini
29	2020016402246852	RUTUJA SANTOSH GORADKAR	R.G.	R.G.	R.G.	R.G.	R.G.	R.G.
30	2020016402247244	SANDEEP NANDU NARVADE	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep	Sandeep
31	2020016402246755	SHAH VATS AJAY	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
32	2019016402351744 2020016402246674	SHAIKH SHAYYAN SHAMSHAD (SHABANA)	SHABANA	SHABANA	SHABANA	SHABANA	SHABANA	SHABANA
33	2020016402247051	SHARMA ADITYAKUMAR PRADEEP	Adi	Adi	Adi	Adi	Adi	Adi
34	2020016402246933	SHARMA ASHUTOSH ANIL	A.A. sharma	A.A. sharma	A.A. sharma	A.A. sharma	A.A. sharma	A.A. sharma
35		SHINDE JATIN MANOJ	Jatin	Jatin	Jatin	Jatin	Jatin	Jatin



Vivek Sharma
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Marks of Eligible Candidate

S. N.	Enrollment No /PRN	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	2020016402245357	BARI SHRUTI ANANT	8	8	9	25
2	2020016402245342	BHIAMSHRIYA VISHAL PAWANKUMAR	5	9	8	22
3	2020016402245326	CHIRAG HARISH PATEL	5	5	8	18
4	2020016402245334	DEV VIPUL RAM NAGINA	4	8	5	17
5	2020016402129895	DEVANG RAJARAM PATIL (RAJASHREE)	7	7	5	19
6	2021016402240357	FAISAL ANWAR KHAN	8	5	2	15
7	2021016402241496	GAWADE PURVA PRAKASH	9	5	8	22
8	2020016402127293	HANKARE ADITYA AMRUT	8	8	9	25
9	2021016402240326	HEMANT PAL	5	8	5	18
10	2021016402240373	JADHAV DHANASHREE GAJANAN	8	5	4	17
11	2021016402227875	KHAIRNAR GEETAI MADHAV	7	5	7	19
12	2021016402225087	KHANVILKAR DURVESH SUNIL	5	2	8	15
13	2015016402236372	KHONDE VEDANT SANJAY	5	8	9	22
14	2015016401551274	KUMBHAR HRISHIKESH SUNIL	8	9	8	25
15	2020016402245164	MAIDHAM VAMSHIK SHANKAR	9	8	5	22
16	2019016402352063	MALI YASH SHEKHAR	5	8	5	18
17	2020016402247437	MORE DNYANESHWARI SANJAY	6	9	5	20
18	2020016402245253	PATIL MANASVI ARVIND	5	9	4	18
19	2020016402247186	PATIL NIVEDITA PRABHAKAR	8	9	1	18
20	2020016402245156	PATIL SAYALI SUNIL	5	6	9	20
21	2020016402245125	PATIL SHUBHAM ANIL	4	5	9	18
22	2020016402247221	PAWAR PRATIK ASHOK	7	8	9	18
23	2020016402247097	PUNDGE RATAN AMBAR	6	9	9	22



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**Report of Add on Course from
February 05, 2021 to February 10,2021**

**Air and Water Pollution
(AOC-DEP-CE -AWP)**

24	2020016402246995	RATHOD RAJAT PRATAP	5	8	9	22
25	2020016402246925	RIDDHI SUNIL GHARAT	8	9	8	25
26	2019016402352144	ROSHANI PATHAK (MAMTA PATHAK)	9	8	5	22
27	2020016402246643	RUCHITA NANDKUMAR PATIL	5	8	5	18
28	2020016402247027	RUSHIKESH KASHINATH DHAWADE	6	9	5	20
29	2020016402246852	RUTUJA SANTOSH GORADKAR	5	9	4	18
30	2020016402247244	SANDEEP NANDU NARVADE	8	9	1	18
31	2020016402246755	SHAH VATS AJAY	5	6	9	20
32	2019016402351744	SHAIKH SHAYAAN SHAMSHAD (SHABANA)	4	5	9	18
33	2020016402246674	SHARMA ADITYAKUMAR PRADEEP	1	8	9	18
34	2020016402247051	SHARMA ASHUTOSH ANIL	7	6	9	22



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6. Certificate

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	CERTIFICATE
This is to Certify that Mr./Miss _____	
of Class _____ College _____	as _____
Participated actively in _____ held on _____	
He / She secured _____	Position _____
DATE	
	SECRETARY
	PRINCIPAL Ideal Institute of Technology At Post-Posheri, Taluka-Wada, District-Palghar, Maharashtra 4213

7. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	28	4	1	1	0
The course content was:	26	5	3	0	0
The instructor's contribution to the course was:	25	5	2	2	0
The instructor's effectiveness in teaching the subject matter was:	26	3	4	1	0
Course Organization was:	29	3	2	0	0
Explanations by instructor were:	30	2	2	0	0
Instructor's use of examples and illustrations was:	27	4	3	0	0
Student's confidence in instructor's knowledge was:	28	4	1	1	0
Answers to student questions were:	26	5	3	0	0
Availability of extra help when needed was:	25	5	2	2	0
Instructor's interest in student's progress was:	26	3	4	1	0
Relevance of course content was:	29	3	2	0	0
Please give overall rating of the course	30	2	2	0	0



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**Report of Add on Course from
February 05, 2021 to February 10,2021**

**Air and Water Pollution
(AOC-DEP-CE -AWP)**

Sr.no.	Attributes	Total Feed Back					
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	5.0%	2.5%	0.0%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	3	2	2	1	Objective Achieved - Excellent & Very Good (87.5%)
		80.0%	7.5%	5.0%	5.0%	2.5%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	5.0%	2.5%	0.0%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	1	1	0	Objective Achieved - Excellent & Very Good (95.0%)
		85.0%	10.0%	2.5%	2.5%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		35	4	1	0	0	Objective Achieved - Excellent & Very Good (97.5%)
		87.5%	10.0%	2.5%	0.0%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	1	1	1	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	2.5%	2.5%	2.5%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		35	3	1	1	0	Objective Achieved - Excellent & Very Good (95.0%)
		87.5%	7.5%	2.5%	2.5%	0.0%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	1	1	1	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	2.5%	2.5%	2.5%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	3	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		80.0%	7.5%	7.5%	5.0%	0.0%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	2	0	0	Objective Achieved - Excellent & Very Good (95.0%)
		85.0%	10.0%	5.0%	0.0%	0.0%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	3	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		77.5%	7.5%	7.5%	5.0%	2.5%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	4	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		77.5%	10.0%	7.5%	5.0%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	

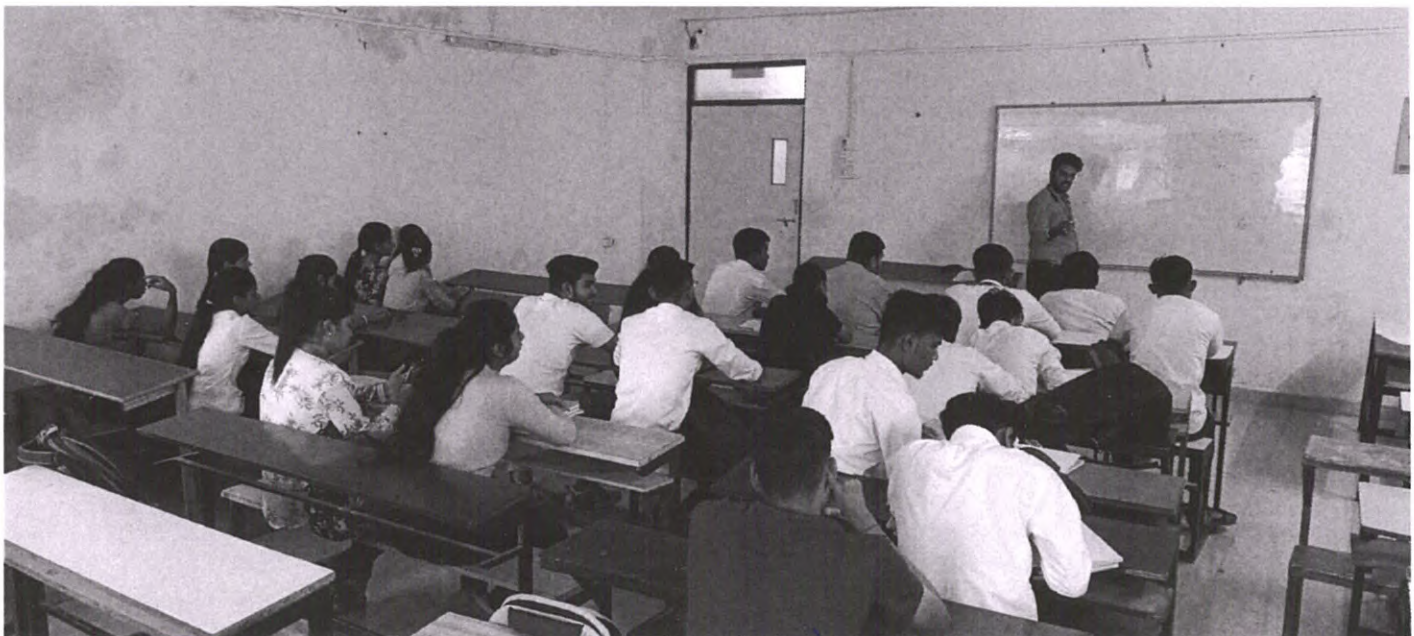
Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

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Department of Civil Engineering

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8. Course Session Photo



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District-Palghar, Maharashtra 421303

Department of Civil Engineering

Add-on Course offered
2019-20

2019-20

A Report of

Add on Course

On

**“Fundamental of CNC Machining”
(AOC-DEP-ME-CNC)**

August 26, 2019 to August 31, 2019

Coordinated by

Manjunath Hitlaller

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

Posheri, Wada, Dist. Palghar, Maharashtra- 421303

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)




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District-Palghar, Maharashtra 421303

Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo




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1. Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

IDEAL INSTITUTE OF TECHNOLOGY consists of following Departments:

- Mechanical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronics & Tele communication Engg.

A d d - o n C o u r s e



About the Course

Now-a-days CNC is very popular machining instruments in the industry. Therefore It has natural demand in the manufacturing industries. If students know the basics of CNC machining then they become valuable assets of the company. With good knowledge they can perform managerial task easily and efficiently in the floor-shop. Keeping the demand in mind this course is developed for under graduate students of engineering.

Course Duration : 30Hrs

Eligibility: Any student who has interest in CNC machining can join this course.

Course Fee: This course is free of cost but one has to maintain a minimum attendance of 75%.



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Department of Mechanical Engineering

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Notice

Date: 16/08/2019

It is notified that the mechanical department is organizing add-on course on CNC machining for second year mechanical engineering students from 26/08/2019 To 31/08/2019. The duration of the course is of 30 contact hours and it is free of cost but students have to maintain a minimum attendance of 75%.

Interested bonafide students are advised to register themselves before **last date of registration 24-08-2019**. For more details one may contact course coordinator Mr. Manjunath Hitlaller

Note:

1. The course is free of cost.
2. Minimum 75% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.



Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:

1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar

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1. About the Course

Course Name: CNC Machining

Course Summary:

The goal of this course is to teach persons with a technical background how to program and operate Computer Numerical Control (CNC) mills and lathes. This course bridges the gap between what persons with a technical education know and what they must learn to begin using CNC machine tools. The types of parts, materials and machining operations that engineers, innovators, and niche manufacturers often use are featured. Work holding techniques well suited to prototype and short-run production are detailed and used as examples

Enrollment Criteria:

1. Participants must have interest.
2. Students should provide the NOC if they belong to other departments.

Course Outcomes:

- Understand fundamentals of CNC
- Learn and Write CNC Part Programming
- Learn CNC Programming through CAD/CAM
- Understand machines like Chucking and Turning Centres, Machining Centres

Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3		3		4		3			3				3
CO2	3		3	4		3		3		3	3		3		
CO3	1		3							1			3		2
CO4	3		3							3			3		
Target	3	2	3	5		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

The learner is expected to have the following:

- Engineering or other technical degree or equivalent experience.
- Knowledge of the proper use of basic hand tools and precision measuring instruments, including calipers and micrometers.
- Some manual machining experience is helpful but not required.
- Knowledge of Solidworks is a pre-requisite or co-requisite for this course.

Course Duration: 30 Hours

Course Outline:

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Department of Mechanical Engineering

**Report of Add on Course from
August 26, 2019 to August 31, 2019**

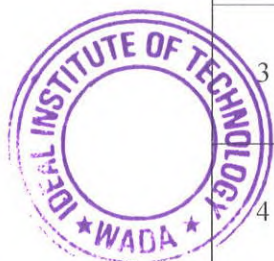
Module	Contents	Hours
1	Introduction & CNC Process	5
2	Coordinate Systems	5
3	CNC Programming	5
4	CNC Operation	5
5	CNC Turning	5
6	3D Tool paths	5

REFERENCES:

1. CAD/CAM Principles and Applications, P. N. Rao, Tata McGraw Hill Publications
2. CNC Technology and Programming, Krar, S., and Gill, A., McGraw Hill Publishers.
3. CNC Programming for Machining, Kaushik Kumar, ChikeshRanjan, J. Paulo Davim, Springer Publication.
4. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd

1. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introduction & CNC Process Prototype vs. Production Machining	3 Hour	Aug 26,2019	09:30 to 12:30 PM
2.	Overview of CAD/CAM Process	2 Hour	Aug 26,2019	01:30 to 04:30 PM
3	Cartesian Coordinate System 3D Cartesian Coordinate System	3 Hour	Aug 27,2019	09:30 to 12:30PM
4	Vertical Machining Center (VMC) Motion CNC Motion Control CNC Machine Coordinates	2 Hour	Aug 27,2019	01:30 to 04:30 PM
5	Introduction to G Code CNC Language and Structure Program Format	3 Hour	Aug 28,2019	09:30 to 12:30PM



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**Report of Add on Course from
August 26, 2019 to August 31, 2019**

6	Alphabetic & Special Character Address Codes Select G-Code Definitions	2 Hour	Aug 28,2019	01:30 to 04:30 PM
7	Overview of CNC Setup and Operation Machine and Tool Offsets Fixture Offset	3 Hour	Aug 29,2019	09:30 to 12:30PM
8	Start/Home Machine Load Tools	2 Hour	Aug 29,2019	01:30 to 04:30 PM
9	Lathe Components Lathe Coordinate System Tools and Tool Holders	3 Hour	Aug 30,2019	09:30 to 12:30PM
10	Cutting Speeds and Feeds Lathe Setup and Programming Example	2 Hour	Aug 30,2019	01:30 to 04:30 PM
11	3D Cutter Compensation 3D Toolpath Setups 3D Roughing	3Hour	Aug 31,2019	09:30 to 12:30PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	Aug 31,2019	01:30 to 03:30 PM



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2. Enrolled Students List

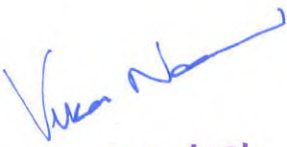
S. N.	Reg. No	Name	Branch / Semester
1	2019016402352740	AFNAN SHAIKH	ME-III Sem.
2	2019016402352290	AMOLIK BHUSHAN PETRAS	ME-III Sem.
3	2019016402351890	BARGODE EKTESH GANPAT	ME-III Sem.
4	2019016402351790	BARI HARSHAL THAKUR	ME-III Sem.
5	2019016402352610	BHEKRE NISHANT JANARDAN	ME-III Sem.
6	2019016402352510	CHAVAN PRATHAMESH VINAYAK	ME-III Sem.
7	2019016402352700	CHOUHAN VIKRAMSINGH MANOHARSINGH	ME-III Sem.
8	2019016402352390	DARI KARTIK NETAI	ME-III Sem.
9	2019016402352600	DIGHE SANTOSH TUKARAM	ME-III Sem.
10	2019016402352630	GHARAT ASHUTOSH KESARI	ME-III Sem.
11	2019016402352760	GHEVDE ADITYA ANAND	ME-III Sem.
12	2019016402352530	GUPTA ARJUN SANTOSHKUMAR	ME-III Sem.
13	2019016402352020	JADHAV PRASHANT MARUTI	ME-III Sem.
14	2019016402352190	JADHAV TANMAY BIMBESH	ME-III Sem.
15	2019016402352080	KOTKAR MEHUL ARUN	ME-III Sem.
16	2019016402352100	MALI NIMESH RAMESH	ME-III Sem.
17	2019016402351800	MALI YASH DNYANESHWAR	ME-III Sem.
18	2019016402352550	MEHER SAAHIL MANGESH	ME-III Sem.
19	2014016400821330	MEHER UNMESH RAVINDRA	ME-III Sem.
20	2019016402352770	MESTRY ROHAN RAMESH	ME-III Sem.
21	2019016402352820	NAIK RIDDHESH JITENDRA	ME-III Sem.
22	2019016402352370	PATEL NAITIK VINOD	ME-III Sem.
23	2019016402352680	PATIL BHAVESH SHAMRAO	ME-III Sem.
24	2019016402352490	PATIL SIDDHANT SUNESH	ME-III Sem.
25	2019016402352310	PATIL TEJAS PRAKASH	ME-III Sem.
26	2019016402352120	PAWAR SHUBHAM SURESH	ME-III Sem.
27	2019016402352810	RAJANI VRUSHABH MUKESH	ME-III Sem.
28	2019016402352830	RALE SUMESH KISAN	ME-III Sem.
29	2019016402352470	RAUT NAYAN RAGHUVIR	ME-III Sem.
30	2019016402619413	RAVATE MAYUR SURESH	ME-III Sem.
31	2019016402352280	SANKHE HRISHIKESH MADHUKAR	ME-III Sem.
32	2015016401575870	SAWANT SAHIL HANUMANT	ME-III Sem.
33	2019016402352380	SHELKE PRITESH JAGDISH	ME-III Sem.
34	2019016402352650	SHINDE SHANTANU SANTOSH	ME-III Sem.
35	2019016402352790	SINGH ROSHAN SATISH	ME-III Sem.
36	2019016402352270	SINGH SATISHKUMAR RAJESHWAR	ME-III Sem.
37	2019016402352170	TAMORE DIVYANSHU ANIL	ME-III Sem.
38	2019016402352420	THAKUR PRANAY SANJAY	ME-III Sem.



Report of Add on Course from
August 26, 2019 to August 31, 2019

39	2019016402352150	VICHARE AALAP AWDHUT	ME-III Sem.
40	2019016402352690	WAGHMARE SANKET VINOD	ME-III Sem.




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3. Attendance sheets of Enrolled students

Ideal Institute of Technology				Attendance						
Department of Mechanical Engineering				Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	
Add on course on : Fundamental of CNC										
S.no	Roll no	Branch	Name of students	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	
1	2019016402352740	ME	AFNAN SHAIKH	Shekh	Shekh	Shekh	Shekh	Shekh	Shekh	Shekh
2	2019016402352290	ME	AMOLIK BHUSHAN PETRAS	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan
3	2019016402351890	ME	ARGODE EKTESH GANPAT	ARGODE	ARGODE	ARGODE	ARGODE	ARGODE	ARGODE	ARGODE
4	2019016402351790	ME	BARI HARSHAL THAKUR	Harshad	Harshad	Harshad	Harshad	Harshad	Harshad	Harshad
5	2019016402352610	ME	BHEKRE NISHANT JANARDAN	Nishant	Nishant	Nishant	Nishant	Nishant	Nishant	Nishant
6	2019016402352510	ME	CHAVAN PRATHAMESH VINAYAK	Phavan	Phavan	Phavan	Phavan	Phavan	Phavan	Phavan
7	2019016402352700	ME	CHOUHAN VIKRAMSINGH MANOHARSINGH	Vikram	Vikram	Vikram	Vikram	Vikram	Vikram	Vikram
8	2019016402352390	ME	DARI KARTIK NETAI	D	D	D	D	D	D	D
9	2019016402352600	ME	DIGHE SANTOSH TUKARAM	Santosh	Santosh	Santosh	Santosh	Santosh	Santosh	Santosh
10	2019016402352630	ME	GHARAT ASHUTOSH KESARI	Ashutosh	Ashutosh	Ashutosh	Ashutosh	Ashutosh	Ashutosh	Ashutosh
11	2019016402352760	ME	GHEVDE ADITYA ANAND	Gagande	Gagande	Gagande	Gagande	Gagande	Gagande	Gagande
12	2019016402352530	ME	GUPTA ARJUN SANTOSHKUMAR	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun	Arjun
13	2019016402352020	ME	JADHAV PRASHANT MARUTI	P	P	P	P	P	P	P
14	2019016402352190	ME	JADHAV TANMAY BIMBESH	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay
15	2019016402352080	ME	KOTKAR MEHUL ARUN	Mehul	Mehul	Mehul	Mehul	Mehul	Mehul	Mehul
16	2019016402352100	ME	MALI NIMESH RAMESH	Nimesh	Nimesh	Nimesh	Nimesh	Nimesh	Nimesh	Nimesh
17	2019016402351800	ME	MALI YASH DNYANESHWAR	Yash	Yash	Yash	Yash	Yash	Yash	Yash
18	2019016402352550	ME	MEHER SAHIL MANGESH	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil
19	2019016400821330	ME	MEHER UNMESH RAVINDRA	Unmesh	Unmesh	Unmesh	Unmesh	Unmesh	Unmesh	Unmesh
20	2019016402352770	ME	MESTRY ROHAN RAMESH	Rmestry	Rmestry	Rmestry	Rmestry	Rmestry	Rmestry	Rmestry
21	2019016402352820	ME	NAIK RIDDHESH JITENDRA	Riddhesh	Riddhesh	Riddhesh	Riddhesh	Riddhesh	Riddhesh	Riddhesh
22	2019016402352370	ME	PATEL NAITIK VINOD	Naitik	Naitik	Naitik	Naitik	Naitik	Naitik	Naitik
23	2019016402352680	ME	PATIL BHAVESH SHAMRAO	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh	Bhavesh
24	2019016402352490	ME	PATIL SIDDHANT SUNESH	Sant	Sant	Sant	Sant	Sant	Sant	Sant
25	2019016402352310	ME	PATIL TEJAS PRAKASH	Teja	Teja	Teja	Teja	Teja	Teja	Teja
26	2019016402352120	ME	PAWAR SHUBHAM SURESH	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
27	2019016402352810	ME	RAJANI VRUSHABH MUKESH	Vrushabh	Vrushabh	Vrushabh	Vrushabh	Vrushabh	Vrushabh	Vrushabh
28	2019016402352830	ME	RALE SUMESH KISAN	Sumesh	Sumesh	Sumesh	Sumesh	Sumesh	Sumesh	Sumesh
29	2019016402352470	ME	RAUT NAYAN RAGHUVIR	Nayan	Nayan	Nayan	Nayan	Nayan	Nayan	Nayan

Report of Add on Course from
August 26, 2019 to August 31, 2019

30	2019016402619413	ME	RAVATE MAYUR SURESH	Mayur	Mayur	Mayur	Mayur	Mayur
31	2019016402352280	ME	SANKHE HRISHIKESH MADHUKAR	Hsanke	Hsanke	Hsanke	Hsanke	Hsanke
32	2015016401575870	ME	SAWANT SAHIL HANUMANT	Sahil	Sahil	Sahil	Sahil	Sahil
33	2019016402352380	ME	SHELKE PRITESH JAGDISH	Pritesh	Pritesh	Pritesh	Pritesh	Pritesh
34	2019016402352650	ME	SHINDE SHANTANU SANTOSH	Santanu	Santanu	Santanu	Santanu	Santanu
35	2019016402352790	ME	SINGH ROSHAN SATISH	Roshan	Roshan	Roshan	Roshan	Roshan
36	2019016402352270	ME	SINGH SATISHKUMAR RAJESHWAR	Satish	Satish	Satish	Satish	Satish
37	2019016402352170	ME	TAMORE DIVYANSHU ANIL	Divan	Divan	Divan	Divan	Divan
38	2019016402352420	ME	THAKUR PRANAY SANJAY	Pranay	Pranay	Pranay	Pranay	Pranay
39	2019016402352150	ME	VICHARE AALAP AWDHUT	Aalap	Aalap	Aalap	Aalap	Aalap
40	2019016402352690	ME	WAGHMARE SANKET VINOD	Sanket	Sanket	Sanket	Sanket	Sanket



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Marks of Eligible Candidate

S.no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2019016402351890	ME	ARGODE EKTESH GANPAT	7	8	8	23
2	2019016402351790	ME	BARI HARSHAL THAKUR	7	8	7	22
3	2019016402352610	ME	BHEKRE NISHANT JANARDAN	8	9	7	24
4	2019016402352510	ME	CHAVAN PRATHAMESH VINAYAK	8	7	8	23
5	2019016402352700	ME	CHOUHAN VIKRAMSINGH MANOHARSINGH	7	7	8	22
6	2019016402352390	ME	DARI KARTIK NETAI	7	7	9	23
7	2019016402352600	ME	DIGHE SANTOSH TUKARAM	9	7	9	25
8	2019016402352630	ME	GHRAT ASHUTOSH KESARI	7	8	8	23
9	2019016402352760	ME	GHEVDE ADITYA ANAND	7	9	7	23
10	2019016402352530	ME	GUPTA ARJUN SANTOSHKUMAR	7	7	9	23
11	2019016402352020	ME	JADHAV PRASHANT MARUTI	9	9	8	26
12	2019016402352190	ME	JADHAV TANMAY BIMBESH	7	7	8	22
13	2019016402352080	ME	KOTKAR MEHUL ARUN	9	7	9	25
14	2019016402352100	ME	MALI NIMESH RAMESH	9	7	9	25
15	2019016402351800	ME	MALI YASH DNYANESHWAR	9	8	9	26
16	2019016402352550	ME	MEHER SAAHIL MANGESH	9	7	7	23
17	2014016400821330	ME	MEHER UNMESH RAVINDRA	7	8	9	24
18	2019016402352770	ME	MESTRY ROHAN RAMESH	8	7	9	24
19	2019016402352820	ME	NAIK RIDDHESH JITENDRA	7	9	8	24
20	2019016402352370	ME	PATEL NAITIK VINOD	8	7	9	24
21	2019016402352680	ME	PATIL BHAVESH SHAMRAO	7	9	9	25
22	2019016402352490	ME	PATIL SIDDHANT SUNESH	8	7	7	22
23	2019016402352310	ME	PATIL TEJAS PRAKASH	9	9	8	26
24	2019016402352120	ME	PAWAR SHUBHAM SURESH	8	8	9	25
25	2019016402352810	ME	RAJANI VRUSHABH MUKESH	9	7	7	23
26	2019016402352830	ME	RALE SUMESH KISAN	7	9	8	24
27	2019016402352470	ME	RAUT NAYAN RAGHUVIR	9	9	8	26
28	2019016402619413	ME	RAVATE MAYUR SURESH	8	9	8	25
29	2019016402352280	ME	SANKHE HRISHIKESH MADHUKAR	8	7	9	24
30	2015016401575870	ME	SAWANT SAHIL HANUMANT	8	8	9	25
31	2019016402352380	ME	SHELKE PRITESH JAGDISH	7	8	7	22
32	2019016402352650	ME	SHINDE SHANTANU SANTOSH	8	7	7	22
33	2019016402352790	ME	SINGH ROSHAN SATISH	7	9	9	25
34	2019016402352270	ME	SINGH SATISHKUMAR RAJESHWAR	7	7	9	23
35	2019016402352170	ME	TAMORE DIVYANSHU ANIL	7	9	8	24

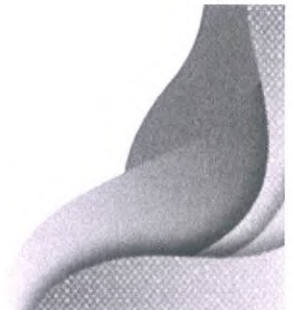


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4. Certificate:



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**CERTIFICATE
OF COMPLETION**

THE FOLLOWING AWARD IS GIVEN TO

BODAKE KUNAL BHASKAR

Student of VII Semester Registration Number 2020016402247275 for successfully completing the
30-hour course on **CNC Machine**

Mr. Pramod Kumar
HOD, (Mechanical)

Mr. Anil Kr. Chaurasiya
Coordinator



Vivek N...
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

8. Photos



Vijay Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	31	5	4	0	0
The course content was:	33	3	3	2	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	30	5	3	2	0
Explanations by instructor were:	32	6	2	0	0
Instructor's use of examples and illustrations was:	33	3	2	1	1
Student's confidence in instructor's knowledge was:	34	2	4	0	0
Answers to student questions were:	31	5	3	1	0
Availability of extra help when needed was:	33	2	3	1	1
Instructor's interest in student's progress was:	34	3	2	1	0
Relevance of course content was:	33	5	1	1	0
Please give overall rating of the course	32	4	3	1	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.



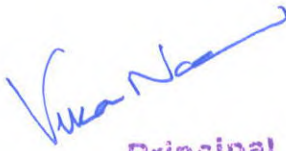
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Optional – Your name and contact address:

Report of Add on Course from
August 26, 2019 to August 31, 2019

CNC Machining




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**Report of Add on Course from
August 26, 2019 to August 31, 2019**

CNC Machining

Sr.no.	Attributes	Total Feed Back					40
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%. Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	5	4	0	0	Objective Achieved - Excellent & Very Good (90%)
		77.5%	12.5%	10.0%	0.0%	0.0%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	3	3	2	0	Objective Achieved - Excellent & Very Good (90%)
		82.5%	7.5%	7.5%	5.0%	0.0%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	3	2	1	Objective Achieved - Excellent & Very Good (85%)
		75.0%	10.0%	7.5%	5.0%	2.5%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	2	0	0	Objective Achieved - Excellent & Very Good (95%)
		85.0%	10.0%	5.0%	0.0%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	5	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		75.0%	12.5%	7.5%	5.0%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	6	2	0	0	Objective Achieved - Excellent & Very Good (95%)
		80.0%	15.0%	5.0%	0.0%	0.0%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	3	2	1	1	Objective Achieved - Excellent & Very Good (90%)
		82.5%	7.5%	5.0%	2.5%	2.5%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	2	4	0	0	Objective Achieved - Excellent & Very Good (90%)
		85.0%	5.0%	10.0%	0.0%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	5	3	1	0	Objective Achieved - Excellent & Very Good (90%)
		77.5%	12.5%	7.5%	2.5%	0.0%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	2	3	1	1	Objective Achieved - Excellent & Very Good (87.5%)
		82.5%	5.0%	7.5%	2.5%	2.5%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	5	1	1	0	Objective Achieved - Excellent & Very Good (95%)
		82.5%	12.5%	2.5%	2.5%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	4	3	1	0	Objective Achieved - Excellent & Very Good (90%)
		80.0%	10.0%	7.5%	2.5%	0.0%	
Overall Remark: As per the feedback study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							

Ideal Institute of Technology, Maharashtra

Vijay N. Joshi
Principal
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At Post-Posheri, Taluka-Wada,
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Department of Mechanical

A Report of

Add on Course

On

“3-D Printing”

(AOC-DEP-ME-3DP)

26th – 31th August, 2019

Coordinated by

Mr. Varun Saini

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

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Department of Mechanical Engineering



Ideal Institute of Technology

State- Maharashtra, (India)

Varun Saini
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo



Vikram N. Namdeo
Principal
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1. Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

Add-on Course



About the Course:

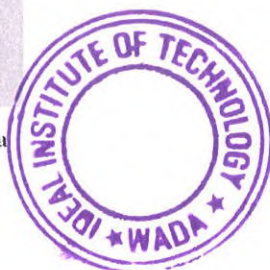
- ❖ 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 23 August 2019

Contact Person: Mr. Varun Saini



Varun Saini
Principal
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District-Parbhani, Maharashtra 421303

Ideal Institute of Technology
Department of Mechanical Engineering

Notice

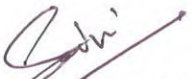
Date: 19/08/2019

It is notified that Mechanical Department is going to organize Add-on Course on "3-D Printing", for all final year students of mechanical engineering from 26/08/2019 to 31/08/2019. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. The last date of registration is 23-08-2019. For any Query regarding add on course please contact to course coordinator Mr. Varun Saini.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Varun Saini
Coordinator


Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:

1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar




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2. About the Course

Course Name: 3-D Printing

Course Summary: 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry. This program on 3D Printing helps the participants understand the design, functioning and operation of a basic 3D Printer. It's distinct ability to manufacture complex shapes and structures has already made it invaluable for the production of prototypes such as engine manifolds for the automotive industry and tools such as investment casting moulds in the jewellery and aeronautical industries. This workshop will provide clear and comprehensive coverage of this exciting new technology.

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

1. Learn about the materials, designing of CAD models, working of a 3D Printer
2. Understand how to build and calibrate a 3D printer
3. Understand the basics of G code generation
4. The participants will get 3D printed models that they design

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding the design aspects of the 3D printable file
- The process of a consumer-level 3D printer
- FDM methodology.
- 3D printing case studies.
- Materials for Consumer 3D Printing



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Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	5
2	Algorithms used in design	5
3	Assembly	5
4	Demonstration of 3D Printing	5
5	Hardware & Software skills	5
6	Industrial 3D Printers ,Q&A	5

REFERENCES:

1. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd.
2. Biomaterials, artificial organs and tissue engineering, Edited by Larry L. Hench and Julian R. Jones, Woodhead Publishing and Maney Publishing, CRC Press 2005
3. Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, I. Gibson I D. W. Rosen I B. Stucker, Springer Publication.
4. Rapid Prototyping and Manufacturing, P. F. Jacobs, Society of Manufacturing Engineers



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3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introductory lecture on 3D printer and Rapid Prototyping	2.5 Hour	26 August 2019	09:30 to 12:00 PM
2.	Introduction to RepRap Arduino electronic controller	2.5 Hour	26 August 2019	01:30 to 04:00 PM
3	Materials used for printing Concepts of CAD Algorithms used in design	2.5 Hour	27 August 2019	09:30 to 12:00PM
4	Design of Assembly (Spur gear, Helical screw, simple design)	2.5 Hour	27 August 2019	01:30 to 04:00 PM
5	Introduction to G Code	2.5 Hour	28 August 2019	09:30 to 12:30PM
6	Demonstration of 3D Printer assembly	2.5 Hour	28 August 2019	01:30 to 04:00 PM
7	Testing and calibration of 3D Printer	2.5 Hour	29 August 2019	09:30 to 12:00PM
8	Demonstration of 3D Printing	2.5 Hour	29 August 2019	01:30 to 04:00 PM
9	Hardware skills - How to build an Ender 3 3D printer - How to calibrate, service & look after the printer - How to clean up parts and get the ready for assembly	2.5 Hour	30 August 2019	09:30 to 12:00PM
10	Software skills Basics of FUSION 360 (The CAD program we use to 3D model parts)	2.5 Hour	30 August 2019	01:30 to 04:00 PM



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	• Designing for 3D printing • Basics of CURA (The program that virtually slices the parts to be printed)			
11	Types of Industrial 3D Printers	2.5 Hour	31 August 2019	09:30 to 12:00PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	31 August 2019	01:30 to 03:30 PM



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4. Enrolled Students list

S.No	Student name	Branch	Year	Enrollment No
1	DAVE GAURAV PRAVIN	CSE	III	2018016402536146
2	HAZARE JAY PURUSHOTTAM	CSE	III	2017016402439154
3	KINI PRASHANT RAMESH	CSE	III	2018016402536227
4	MACHHI JIGNESH RAMESH	CSE	III	2018016402536316
5	NAIR VIJAY RAMKRISHNA	CSE	III	2018016402536212
6	SAMBARE JANHAVI SANJAY	CSE	III	2018016402536274
7	SHINDE PRADNYA PANDHARI	CSE	III	2018016402536765
8	SUVARANA AKSHAY MOHANDAR	CSE	III	2018016402536653
9	VARTAK SWARUP NARESH	CSE	III	2018016402536726
10	VIKAM NIDHI NITIN	CSE	III	2018016402536711



Vikam Nidhi
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5. Attendance sheets of Enrolled students

Ideal Institute of Technology									
Department of Mechanical Engineering									
Add on course on : 3-D Printing									
S.no	Roll no	Branch	Name of students	Attendance					
				Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2018016402536146	CSE	DAVE GAURAV PRAVIN	Present	Present	Present	Present	Present	Present
2	2017016402439154	CSE	HAZARE JAY PURUSHOTTAM	Present	Present	Present	Present	Present	Present
3	2018016402536227	CSE	KINI PRASHANT RAMESH	Present	Present	Present	Present	Present	Present
4	2018016402536316	CSE	MACHHI JIGNESH RAMESH	Present	Present	Present	Present	Present	Present
5	2018016402536212	CSE	NAIR VIJAY RAMKRISHNA	Present	Present	Present	Present	Present	Present
6	2018016402536274	CSE	SAMBARE JANHAVI SANJAY	Present	Present	Present	Present	Present	Present
7	2018016402536765	CSE	SHINDE PRADNYA PANDHARI	Present	Present	Present	Present	Present	Present
8	2018016402536653	CSE	SUVARANA AKSHAY MOHANDAR	Present	Present	Present	Present	Present	Present
9	2018016402536726	CSE	VARTAK SWARUP NARESH	Present	Present	Present	Present	Present	Present
10	2018016402536711	CSE	VIKAM NIDHI NITIN	Present	Present	Present	Present	Present	Present



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Marks of Eligible Candidate

S.no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2018016402536146	CSE	DAVE GAURAV PRAVIN	8	9	7	24
2	2017016402439154	CSE	HAZARE JAY PURUSHOTTAM	7	8	7	22
3	2018016402536227	CSE	KINI PRASHANT RAMESH	9	6	7	22
4	2018016402536316	CSE	MACHHI JIGNESH RAMESH	6	8	6	20
5	2018016402536212	CSE	NAIR VIJAY RAMKRISHNA	9	9	8	26
6	2018016402536274	CSE	SAMBARE JANHAVI SANJAY	8	8	7	23
7	2018016402536765	CSE	SHINDE PRADNYA PANDHARI	8	8		24
8	2018016402536653	CSE	SUVARANA AKSHAY MOHANDAR	7	6	5	18
9	2018016402536726	CSE	VARTAK SWARUP NARESH	6	8	7	21
10	2018016402536711	CSE	VIKAM NIDHI NITIN	9	7	6	22



Vikram N. Nitin
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6 Certificate:

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CERTIFICATE

This is to Certify that Mr./Miss _____
of Class _____ College _____ has
Participated actively in _____ held on _____
He / She secured _____ Position.

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SECRETARY

DATE

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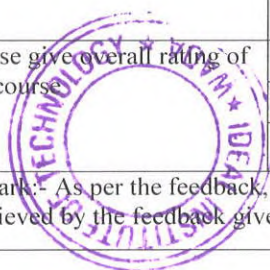
7 Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	27	4	4	1	0
The course content was:	24	5	5	2	0
The instructor's contribution to the course was:	25	7	4	0	0
The instructor's effectiveness in teaching the subject matter was:	28	5	3	0	0
Course Organization was:	30	4	2	0	0
Explanations by instructor were:	26	6	3	1	0
Instructor's use of examples and illustrations was:	25	5	5	1	0
Student's confidence in instructor's knowledge was:	24	5	5	2	0
Answers to student questions were:	25	7	4	0	0
Availability of extra help when needed was:	28	5	3	0	0
Instructor's interest in student's progress was:	30	4	2	0	0
Relevance of course content was:	26	6	3	1	0
Please give overall rating of the course	25	5	5	1	0



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Principal
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Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (86.14%)
		27	4	4	1	0	
		75	11.14	11.14	2.77	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (83.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (78.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							



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8 Photos



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A Report of

Value Added

Course On

“Autonomous Vehicles”

(VAC-ENGG-ME-AV)

February 10th, 2020 to February 15th, 2020

Coordinated by

Dr. Pramod Kumar

Organized by



Department of Mechanical Engineering

IDEAL INSTITUTE OF TECHNOLOGY

State- Maharashtra, (India)



[Signature]
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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Vijay N...
Principal
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At Post-Posheri, Taluka-Wada,
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1. Value added Course Brochure

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 6 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B.E. / B.Tech, B.Arch courses. Candidate can pursue in multiple range of courses like B.E. / B.Tech, B.Arch with the stream of Engineering, Architecture & Planning. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE. Ideal Institute of Technology, Wada offered courses for 301 seats. Courses offered by the Institute are in the fee range of INR 454,544-568,180 for a total of 301 candidates.

ABOUT THE COURSE

The value-added course on Autonomous Vehicles is designed to provide students with a comprehensive understanding of the technology, principles, challenges, and applications of autonomous vehicles (AVs). Through a blend of theoretical knowledge and practical exercises, students will explore the intricate components and systems that enable vehicles to operate autonomously. The course aims to equip learners with the skills and insights necessary to navigate the evolving landscape of transportation, automation, and mobility.



Vikram N. N.
Principal
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Report of Add on Course from
September 24th, 2018 to September 29th, 2018

Autonomous Vehicles
(VAC-DEP-ENGG-MEAV)

Ideal College of Engineering
Department of Mechanical Engineering

Notice

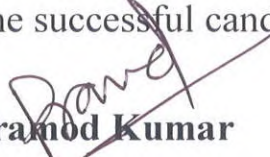
Date: 01/02/2020

It is notified for all the students of the Forth Year that the Department is going to organize Add-on Course on (VAC-ENGG-MECH-AV) “**Autonomous Vehicles**”, for 8th Semester students for their benefits in the near future. The duration of the course will be **off 35 contact hours** which will be covered in a week.

Interested bonafide students are advised to register themselves. **The last date of registration is 05/02/2020.** If any Query regarding add on course contact to Dr. Pramod Kumar.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Pramod Kumar
HOD (Mechanical)




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2. ABOUT THE COURSE

Course Name: Autonomous Vehicles (AOC-ENGG-ME-AV)

Course Summary: Research and Development (R & D) plays a vital role in the overall progress of a country. The quality of research in the field of science and technology help in progressive growth of society in all the aspects. Research either in experimental and theoretical form is always appreciated, because without the support of theoretical research it is very difficult to achieve the goals within the stipulated time. A Autonomous Vehicles gives validity to the research and also provides scientifically sound findings. It also provides a detailed plan that helps to keep researchers on track, making the process smooth, effective and manageable. The findings of research need acceptability before its practical application in the industry or society. Focus of the course is to equip the students with fundamentals of Autonomous Vehicles. The objective is to make students aware of research ethics that must be followed while pursuing research work.

Enrollment Criteria:

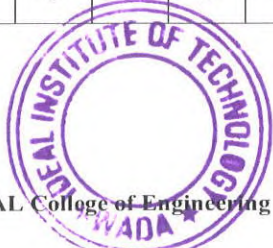
1. Participants must be interested and engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Understand the foundational principles of autonomous vehicle technology, including sensing, perception, decision-making, and control systems.
- b. Explore the various levels of automation in vehicles and distinguish between semi-autonomous and fully autonomous driving capabilities.
- c. Analyze the societal, economic, and environmental impacts of autonomous vehicles on transportation systems, urban planning, and sustainability.
- d. Evaluate the legal, ethical, and regulatory frameworks governing the deployment and operation of autonomous vehicles in different jurisdictions.
- e. Gain hands-on experience in programming, simulation, and testing of autonomous vehicle algorithms and software platforms.
- f. Collaborate in interdisciplinary teams to develop innovative solutions and applications leveraging autonomous vehicle technology.
- g. Critically assess the safety, reliability, and cybersecurity challenges associated with autonomous vehicles and propose mitigation strategies.
- h. Investigate emerging trends, research developments, and industry advancements shaping the future of autonomous mobility.

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3



Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of research techniques and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Autonomous Vehicles.
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from research its value in new developments.

COURSE DURATION: 35 HOURS

Course Outline:

Module	Contents	Hours
1	Introduction to Autonomous Vehicles	7
2	Fundamentals of Autonomous Systems	7
3	Levels of Automation and Vehicle Autonomy	7
4	Implications of Autonomous, Vehicles Legal, Ethical, and Regulatory Considerations	7
5	Practical Applications and Case Studies, . Hands-on Labs and Projects Future Directions and Emerging Technologies	7

References

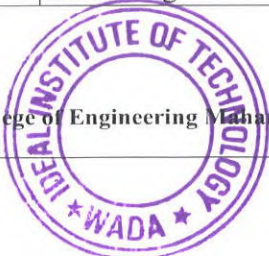
- Stuart Melville and Wayne Goddard, "Autonomous Vehicles: an introduction for science & engineering students"
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- Ranjit Kumar, 2 nd Edition , "Autonomous Vehicles: A Step by Step Guide for beginners"
- Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd ,2007.
- Mayall , "Industrial Design", McGraw Hill, 1992.
- Niebel , "Product Design", McGraw Hill, 1974.
- Asimov , "Introduction to Design", Prentice Hall, 1962
- Robert P. Merges, Peter S. Menell, Mark A. Lemley, " Intellectual Property in New Technological Age", 2016.
- T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008



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3.O Sheet

S. No	Activity	Duration	Date	Time
1.	Historical perspective Key terminology and definitions Evolution of autonomous driving technologies	4 Hour	Feb 10, 2020	09:00 AM to 01:00PM
2.	Sensors and perception algorithms Localization and mapping techniques Decision-making and path planning algorithms	3 Hour	Feb 10, 2020	02:00AM to 05:00 PM
3	Understanding SAE levels of automation Case studies of semi-autonomous and fully autonomous vehicles Human-machine interface design considerations	4 Hour	Feb 11, 2020	09:00 AM to 01:00 PM
4	Urban mobility and congestion management Economic impacts on transportation industries	3 Hour	Feb 11, 2020	02:00AM to 05:00 PM
5	Environmental sustainability and energy efficiency Liability and insurance frameworks	4 Hour	Feb 12, 2020	09:00 AM to 01:00PM
6	Privacy and data protection concerns International standards and agreements	3 Hour	Feb 12, 2020	02:00PM to 05:00 PM
7	Autonomous vehicle simulations and virtual environments Real-world deployment challenges and case studies	4 Hour	Feb 13, 2020	09:00 AM to 01:00PM
8	Business models and market trends in autonomous mobility Programming exercises using simulation platforms (e.g., ROS, Carla)	3 Hour	Feb 13, 2020	02:00PM to 05:00 PM
9	Algorithm development for perception, planning, and control Project-based assignments focusing on autonomous vehicle development and testing	4 Hour	Feb 14, 2020	09:00 AM to 01:00PM



Vivek N. Joshi
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Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)

10	Advanced sensor technologies (e.g., LiDAR, RADAR, cameras) Artificial intelligence and machine learning in autonomous systems Integration with smart infrastructure and connected vehicle networks	3 Hour	Feb 14, 2020	02:00PM to 05:00 PM
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Vivek N. N.
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4.Enrolled Students List

S. No.	Name	Enrollment No. / PRN No.
1	KINI MANAS NARENDRA	2016016401313247
2	LADE MANISH NARESH	2017016402619272
3	THAKUR RAJAS ABHAY	2016016401314227
4	VARTAK MIT DEEPAK	2017016402619167
5	VAZE AKASHAY NITIN	2017016402619233
6	KABADI OMKAR MILIND	2017016402619403
7	KADAM NITESH PANDURANG	2017016402619465
8	BANSODE MANOJ ADIK	2017016402619152
9	BHALERAO ANIKET DINESH	2017016402619585
10	BHOIR MAYURESH RAMCHANDRA	2016016401314146
11	BHOIR NAVAL KISHOR	2017016402619473
12	BHOIR PRANIT PRAKASH	2017016402619771
13	BHUIMBAR PURUSHOTTAM GOVIND	2017016402619701
14	CHIMAN SHUBHAM SUBHASH	2016016401313166
15	DHAMANKAR NILAY CHANDRAKANT	2017016402619287
16	DHAVAL ANIKET ASHOK	2017016402648012
17	DHIVARE SWAPNIL SURESH	2017016402619411
18	GAIKWAD PRADIP ANANT	2016016401312952
19	JAISWAL NIKHIL HORILAL	2017016402619546
20	KALE VIKAS RAMDAS	2017016402648035
21	LOKHANDE SHUBHAM PRAVIN	2017016402619295
22	MALL ADARSH CHANDRAKESH	2017016402619384
23	MACHHI DEVENDRA CHINTAMAN	2017016402619225
24	MACHHI HARDIK RAMESH	2017016402619523
25	MEHETA JYOTIK KANTILAL	2017016402619674
26	MALI ROSHAN MARUTI	2017016402619353
27	MALI UTTAM TUKARAM	2017016402619604
28	MANDRE AKSHAY PANDIT	2017016402619314
29	MASURKAR PRATIK UDAY	2017016402619755
30	MAHURE MAYUR PRABHAKAR	2017016402619217
31	MHATRE PREET SUNIL	2016016401314107
32	MHETAR MANOJ SHAMRAO	2017016402619612
33	MISHRA SHUBHAM JITENDRA	2017016402619191
34	MITHUN MADHUSOODANAN	2016016401312991
35	MORE ABHISHEK SUBHASH	2017016402619144
36	MORE SAMEER SHARAD	2017016402619554
37	MORGHA PRALHAD MADHUKAR	2017016402619361
38	NARGOLKAR BHUNESH DINESH	2016016401313897
39	PAL RAHUL VIJAYSHANKAR	2017016402661322
40	PALANDE BHUSHAN JAYWANT	2017016402619481
41	PARAB ABHISHEK PANDURANG	2017016402619241



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(VAC-DEP-ENGG-ME-AV)

42	PATEL BHAVESH DAHYABHAI	2016016401313901
43	PATEL SALMAN YASIN	2017016402619697
44	PATIL AAKASH DASHRATH	2017016402648027
45	PATIL CHIRAG MANOHAR	2017016402619515
46	PATIL KAUSTUBH RAVINDRA	2017016402619457
47	PATIL KEDAR KISHOR	2017016402619442
48	PATIL MANAS SANJAY	2017016402619716
49	PATIL MAYANK PRABHAKAR	2017016402619376
50	PATIL YUGENDHAR CHANDRAKANT	2017016402619763
51	RAUT NACHIKET ANIL	2017016402619264
52	RAYATE AKSHAY CHANDRAKANT	2017016402619392
53	SHINGE AKSHAY GOPINATH	2017016402619183
54	SHUBHAM GANGADHAR KHARAT	2017016402619507
55	SINGH AKASH RAJESH	2017016402619496
56	SOLANKI SAGAR RAJESH	2017016402619821
57	SUTAR RUSHIKESH MADHUKAR	2017016402619434
58	TIWARI VIKESHKUMAR JITENDRA	2017016402619593
59	VISHWAKARMA KRISHNAKANT	2017016402619306
60	YADAV RAKESH SINGH BULLU	2017016402619202



Vika Nam
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5. Attendance sheets of Enrolled students

IDEAL INSTITUTE OF ENGINEERING, MAHARASHTRA							
Department of Mechanical Engineering							
Final year Value added course on RM (Autonomous Vehicles)							
S. No	Name	Attendance					
		1	2	3	4	5	6
1	KINI MANAS NARENDRA	Manas	Manas	Manas	Manas	Manas	Manas
2	LADE MANISH NARESH	M. Lade	M. Lade	M. Lade	M. Lade	M. Lade	M. Lade
3	THAKUR RAJAS ABHAY	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
4	VARTAK MIT DEEPAK	Vartak	Vartak	Vartak	Vartak	Vartak	Vartak
5	VAZE AKASHAY NITIN	Vaze	Vaze	Vaze	Vaze	Vaze	Vaze
6	KABADI OMKAR MILIND	Babadi	Babadi	Babadi	Babadi	Babadi	Babadi
7	KADAM NITESH PANDURANG	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh
8	BANSODE MANOJ ADIK	MBansode	MBansode	MBansode	MBansode	MBansode	MBansode
9	BHALERAO ANIKET DINESH	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
10	BHOIR MAYURESH RAMCHANDRA	—	mayur	mayur	mayur	—	—
11	BHOIR NAVAL KISHOR	NAVAL	NAVAL	NAVAL	NAVAL	NAVAL	NAVAL
12	BHOIR PRANIT PRAKASH	Pranit	Pranit	Pranit	Pranit	Pranit	Pranit
13	BHUIMBAR PURUSHOTTAM GOVIND	Pbhumbar	Pbhumbar	Pbhumbar	Pbhumbar	Pbhumbar	Pbhumbar
14	CHIMAN SHUBHAM SUBHASH	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
15	DHAMANKAR NILAY CHANDRAKANT	A	A	A	A	A	A
16	DHAVAL ANIKET ASHOK	—	—	—	—	—	—
17	DHIVARE SWAPNIL SURESH	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
18	GAIKWAD PRADIP ANANT	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip
19	JAISWAL NIKHIL HORILAL	Nikhil	Nikhil	Nikhil	—	—	—
20	KALE VIKAS RAMDAS	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
21	LOKHANDE SHUBHAM PRAVIN	SL	SL	SL	SL	SL	SL
22	MALL ADARSH CHANDRAKESH	AA	AA	AA	AA	AA	AA
23	MACHHI DEVENDRA CHINTAMAN	Devendra	Devendra	Devendra	Devendra	Devendra	Devendra
24	MACHHI HARDIK RAMESH	HARDIK	HARDIK	HARDIK	HARDIK	HARDIK	HARDIK
25	MEHETA JYOTIK KANTILAL	Jyotik	Jyotik	Jyotik	Jyotik	Jyotik	Jyotik
26	MALI ROSHAN MARUTI	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan
27	MALI UTTAM TUKARAM	Uttam	Uttam	Uttam	Uttam	Uttam	Uttam
28	MANDRE AKSHAY PANDIT	AKSHAY	AKSHAY	AKSHAY	AKSHAY	AKSHAY	AKSHAY
29	MASURKAR PRATIK UDAY	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
30	MAHURE MAYUR PRABHAKAR	M-	M-	A	M-	—	—
31	MHATRE PREET SUNIL	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
32	MHETAR MANOJ SHAMRAO	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj
33	MISHRA SHUBHAM JITENDRA	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
34	MITHUN MADHUSOODANAN	Mithun	Mithun	Mithun	Mithun	Mithun	Mithun
35	MORE ABHISHEK SUBHASH	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
36	MORE SAMEER SHARAD	Q	Q	Q	Q	Q	Q



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37	MORGHA PRALHAD MADHUKAR	Pralhad	Pralhad	Pralhad	Pralhad	Pralhad	Pralhad
38	NARGOLKAR BHUNESH DINESH	Bhuneshe	Bhuneshe	Bhuneshe	Bhuneshe	Bhuneshe	Bhuneshe
39	PAL RAHUL VIJAYSHANKAR	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
40	PALANDE BHUSHAN JAYWANT	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan
41	PARAB ABHISHEK PANDURANG	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
42	PATEL BHAVESH DAHYABHAI	Bavesh	Bavesh	Bavesh	Bavesh	Bavesh	Bavesh
43	PATEL SALMAN YASIN	Salman	Salman	Salman	Salman	Salman	Salman
44	PATIL AAKASH DASHRATH	Aakash	Aakash	Aakash	Aakash	Aakash	Aakash
45	PATIL CHIRAG MANOHAR	Chirag	Chirag	Chirag	Chirag	Chirag	Chirag
46	PATIL KAUSTUBH RAVINDRA	K.Patil	K.Patil	K.Patil	K.Patil	K.Patil	K.Patil
47	PATIL KEDAR KISHOR	Kedar	Kedar	Kedar	Kedar	Kedar	Kedar
48	PATIL MANAS SANJAY	Manas	Manas	Manas	Manas	Manas	Manas
49	PATIL MAYANK PRABHAKAR	Mayank	Mayank	Mayank	Mayank	Mayank	Mayank
50	PATIL YUGENDHAR CHANDRAKANT	Y.C.Patil	Y.C.Patil	Y.C.Patil	Y.C.Patil	Y.C.Patil	Y.C.Patil
51	RAUT NACHIKET ANIL	Nachiket	Nachiket	Nachiket	Nachiket	Nachiket	Nachiket
52	RAYATE AKSHAY CHANDRAKANT	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
53	SHINGE AKSHAY GOPINATH	Ashinge	Ashinge	Ashinge	Ashinge	Ashinge	Ashinge
54	SHUBHAM GANGADHAR KHARAT	G.Shubham	G.Shubham	G.Shubham	G.Shubham	G.Shubham	G.Shubham
55	SINGH AKASH RAJESH	Akash	Akash	Akash	Akash	Akash	Akash
56	SOLANKI SAGAR RAJESH	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
57	SUTAR RUSHIKESH MADHUKAR	R.Sutar	R.Sutar	R.Sutar	R.Sutar	R.Sutar	R.Sutar
58	TIWARI VIKESHKUMAR JITENDRA	V.Kumar	V.Kumar	V.Kumar	V.Kumar	V.Kumar	V.Kumar
59	VISHWAKARMA KRISHNAKANT	Krishna	Krishna	Krishna	Krishna	Krishna	Krishna
60	YADAV RAKESH SINGH BULLU	Ryadav	Ryadav	Ryadav	Ryadav	Ryadav	Ryadav



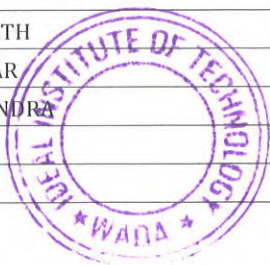
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Report of Value added Course from
September 24th, 2018 to September 29th, 2018

6. Marks of Eligible Candidate

S. N.	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	KINI MANAS NARENDRA	7	9	8	24
2	LADE MANISH NARESH	9	9	8	26
3	THAKUR RAJAS ABHAY	9	7	7	23
4	VARTAK MIT DEEPAK	9	9	7	25
5	VAZE AKASHAY NITIN	8	7	9	24
6	KABADI OMKAR MILIND	8	7	9	24
7	KADAM NITESH PANDURANG	8	7	7	22
8	BANSODE MANOJ ADIK	9	9	8	26
9	BHALERAO ANIKET DINESH	9	9	9	27
10	BHOIR NAVAL KISHOR	9	8	9	26
11	BHOIR PRANIT PRAKASH	9	7	9	25
12	BHUIMBAR PURUSHOTTAM GOVIND	7	8	8	23
13	CHIMAN SHUBHAM SUBHASH	9	9	8	26
14	DHAMANKAR NILAY CHANDRAKANT	8	7	9	24
15	DHAVAL ANIKET ASHOK	7	9	9	25
16	DHIVARE SWAPNIL SURESH	9	9	9	27
17	GAIKWAD PRADIP ANANT	9	7	7	23
18	KALE VIKAS RAMDAS	8	8	9	25
19	LOKHANDE SHUBHAM PRAVIN	8	9	8	25
20	MALL ADARSH CHANDRAKESH	9	9	8	26
21	MACHHI DEVENDRA CHINTAMAN	7	7	8	22
22	MACHHI HARDIK RAMESH	9	9	9	27
23	MEHETA JYOTIK KANTILAL	8	9	9	26
24	MALI ROSHAN MARUTI	9	9	8	26
25	MALI UTTAM TUKARAM	7	7	9	23
26	MANDRE AKSHAY PANDIT	7	9	9	25
27	MASURKAR PRATIK UDAY	8	8	7	23
28	MHATRE PREET SUNIL	9	9	8	26
29	MHETAR MANOJ SHAMRAO	7	7	7	21
30	MISHRA SHUBHAM JITENDRA	8	7	9	24
31	MITHUN MADHUSOODANAN	7	7	8	22
32	MORE ABHISHEK SUBHASH	7	7	9	23
33	MORE SAMEER SHARAD	7	9	9	25
34	MORGHIA PRALHAD MADHUKAR	9	8	9	26
35	NARGOLKAR BHUNESH DINESH	9	9	8	26
36	PAL RAHUL VIJAYSHANKAR	9	8	9	26
37	PARAB ABHISHEK PANDURANG	8	9	7	24
38	PATEL BHAVESH DAHYABHAI	8	9	8	25
39	PATEL SALMAN YASIN	9	9	7	25
40	PATIL AAKASH DASHRATH	8	7	8	23
41	PATIL CHIRAG MANOHAR	7	7	7	21
42	PATIL KAUSTUBH RAVINDRA	8	8	8	24
43	PATIL KEDAR KISHOR	7	8	7	22
44	PATIL MANAS SANJAY	9	8	8	25



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45	PATIL MAYANK PRABHAKAR	7	7	7	21
46	RAUT NACHIKET ANIL	7	7	8	22
47	RAYATE AKSHAY CHANDRAKANT	8	8	9	25
48	SHINGE AKSHAY GOPINATH	8	8	8	24
49	SHUBHAM GANGADHAR KHARAT	9	9	9	27
50	SINGH AKASH RAJESH	9	8	9	26
51	SOLANKI SAGAR RAJESH	9	9	8	26
52	SUTAR RUSHIKESH MADHUKAR	7	8	8	23
53	TIWARI VIKESHKUMAR JITENDRA	9	8	7	24
54	VISHWAKARMA KRISHNAKANT	9	7	7	23
55	YADAV RAKESH SINGH BULLU	8	8	7	23



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CERTIFICATE

This is to Certify that Mr./Miss _____

of Class _____ College _____

Participated actively in _____

He / She secured _____

Position _____

SAMPLE

has

held on _____

DATE

SECRETARY



PRINCIPAL

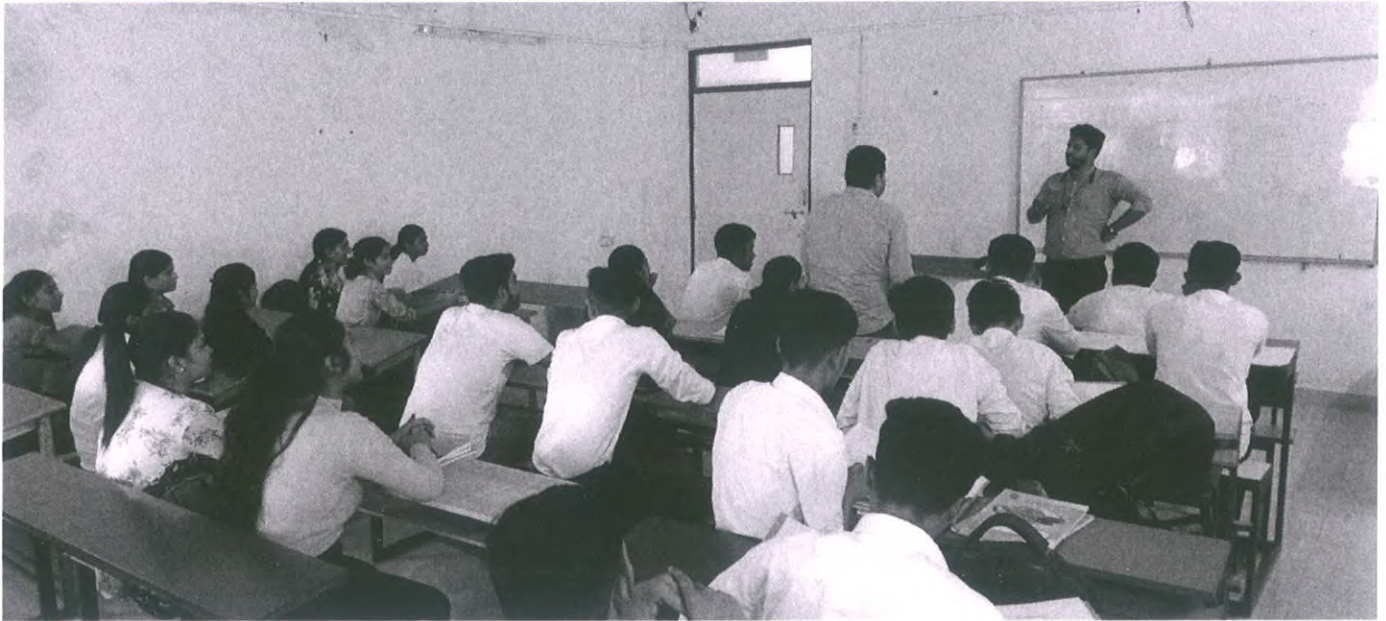
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8. Photos



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9. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	35	3	2	0	0
The course content was:	35	3	1	1	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	33	3	2	2	0
Course Organization was:	33	4	2	1	0
Explanations by instructor were:	31	3	3	2	1
Instructor's use of examples and illustrations was:	35	3	1	1	0
Student's confidence in instructor's knowledge was:	34	4	2	0	0
Answers to student questions were:	30	4	3	2	1
Availability of extra help when needed was:	33	3	3	1	0
Instructor's interest in student's progress was:	31	3	4	2	0
Relevance of course content was:	34	4	1	1	0
Please give overall rating of the course	34	5	1	0	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.



Optional – Your name and contact address.

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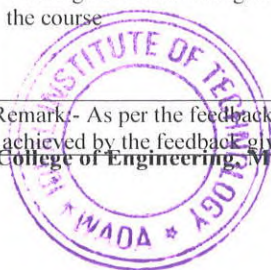
**Report of Add on Course from
February 26th, 2024 to March 1st, 2024**

Autonomous Vehicles

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	7.5%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	12.5%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (95%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		87.5%	10.0%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (92.5%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	12.5%	5.0%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	5.0%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (90%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		87.5%	10.0%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (97.5%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	12.5%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (90%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	10.0%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	10%	10.0%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (85%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	12.5%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	12.5%	2.5%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (97.5%)

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

IDEAL College of Engineering, Maharashtra



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Department of Mechanical Engineering

A REPORT

on

An Add-on Course

on

“Intellectual Property Rights and Patent”

(AOC-DEP-ME-IPRP)

From

26th August-31st August, 2019



Organized By:

**Department of Mechanical
Ideal Institute of Technology, Wada**

Vivek N...
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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1	Add on Course Brochure
2	About the Course
3	Q Sheet
4	Enrolled Students List
5	Attendance sheets of enrolled students
6	Certificates of eligible students
7	Student feedback for course
8	Course Session Photos



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1. ADD-ON COURSE BROCHURE

IDEAL INSTITUTE OF TECHNOLOGY, WADA

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B. Tech courses. Candidate can pursue B. Tech, with the stream of Engineering. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE.

About the course

The Value-Added Course on Intellectual Property Rights (IPR) is designed to provide students with a comprehensive understanding of intellectual property laws, regulations, and best practices. Through interactive lectures, case studies, and practical exercises, students explore various aspects of IPR, including patents, trademarks, copyrights, and trade secrets. The course covers topics such as the importance of protecting intellectual property, the process of obtaining patents and trademarks, strategies for managing and enforcing intellectual property rights, and the implications of intellectual property infringement. Students also learn about the role of intellectual property in fostering innovation, entrepreneurship, and economic development.



Guest lectures by industry experts and legal professionals provide real-world insights into the practical application of IPR principles in different sectors. By the end of the course, students develop a deeper appreciation for the value of intellectual property and its significance in the modern global economy.

Schedule

26th August-31st August, 2019

Last date for registration 24th August, 2019

Eligibility

Applicants should be of 3rd year Civil Engineering

Course Fee

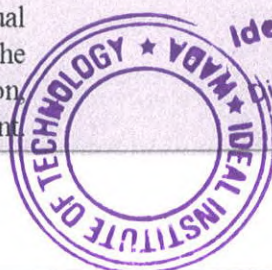
This course is totally free for institute students

Contact Us

http://idealwada.com/about_mech.php

For course Registration and query:

For any query contact to HOD



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Ideal Institute of Technology, Wada
Department of Mechanical Engineering

Notice

Date: 20/08/2019

It is notified for all the students of 3rd year civil engineering that the Department is going to organize Add-on Course on (AOC-DEP-ME-IPR) “**Intellectual Property rights**”, for final for their benefits in the near future. The duration of the course will be of 30 contact hours which will be covered from 26th-31st August 2019.

Interested bonafide students are advised to register themselves. **The last date of registration is 24-08-2019**. If any Query regarding add on course contact to head of department.

Note:

The course is free of cost.

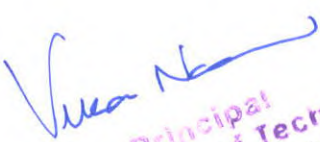
Minimum 70% attendance is mandatory.

The successful candidates will be issued certificates by the college.



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2. ABOUT THE COURSE

Course Name: Intellectual Property Rights (AOC-DEP-MECH-IPRP)

Course Summary: Intellectual property is the currency of the tech world. The engineering patent for Lipitor generated over \$100 billion in revenue, the copyright for the Harry Potter franchise has generated over \$25 billion to date, and the trademarked brands of the world's largest tech companies now eclipse \$100 billion in value. But what makes these intangible assets so valuable. Through the courses in this specialization, you will learn the differences between the various forms of U.S. intellectual property rights, including patents, copyrights, and trademarks, and their various applications to human innovations. Drawing from that knowledge, you will then work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. After completing these hands-on projects, you will have the necessary framework to craft integrated intellectual property strategies tailored to an organization's core business goals.

Enrollment Criteria:

1. Participants must be interested and engineering student
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Identify different types of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways to create and to extract value from IP.
- b. Recognize the crucial role of IP in organizations of different industrial sectors for the purposes of product and technology development.
- c. Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the precautions steps to be taken to prevent infringement of proprietary rights in products and technology development.
- d. Be familiar with the processes of Intellectual Property Management (IPM) and various approaches for IPM and conducting IP and IPM auditing and explain how IP can be managed as a strategic resource and suggest IPM strategy.
- e. Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.
- f. Be able to demonstrate a capacity to identify, apply and assess ownership rights and marketing protection under intellectual property law as applicable to information, ideas, new products and product marketing;



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Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of intellectual properties (IPs) and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Intellectual Property (IP).
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from IP and leverage its value in new product and service development
- Exposing to the Legal management of IP and understanding of real life practice of IPM.

Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	7
2	Copyrights	7
3	Patents	7
4	Trademarks	7
5	Design Method and Other form of IP	7

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BOOK REFERENCES

1. Intellectual Property Law" by Lionel Bently and Brad Sherman
2. Understanding Intellectual Property Law" by Donald S. Chisum and Tyler T. Ochoa
3. Principles of Intellectual Property" by Rochelle C. Dreyfuss and Jane C. Ginsburg
4. Intellectual Property: A Very Short Introduction" by Siva Vaidhyanathan
5. Patent Law and Policy: Cases and Materials" by Robert Patrick Merges, John Fitzgerald Duffy, and Mark D. Janis.
6. Copyright Law: A Practitioner's Guide" by Lloyd J. Jassin and Steven C. Schechter
7. Trademark Law: A Practitioner's Guide" by Siegrun D. Kane



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3. Q SHEET

S. No	Activity	Duration	Date	Time
1.	Basic concept of Intellectual Proper Nature of Intellectual Property right	3 Hour	Aug 26, 2019	10:00 AM to 01:00 PM
2.	Justifications for protection of Subject matter. Original literary	3 Hour	Aug 26, 2019	02:00AM to 05:00 PM
3	Dramatic, musical, artistic work films, Sound, recordings	3 Hour	Aug 27, 2019	10:00 AM to 01:00 PM
4	Term of copyright, Rights of owner Patent Act 1970-amendmentsof 1999,2000,2002 and 2005	3 Hour	Aug 27, 2019	02:00AM to 05:00 PM
5	Patentable subject matter Process and patent protection	3 Hour	Aug 28, 2019	10:00 AM to 01:00 PM
6	Patenting	3 Hour	Aug 28, 2019	02:00PM to 05:00 PM
7	Introduction to Trademark Need for, Protection	3 Hour	Aug 29, 2019	10:00 AM to 01:00 PM
8	Registration of trademark	3 Hour	Aug 29, 2019	02:00PM to 05:00 PM
9	Meaning design protection	3 Hour	Aug 30, 2019	10:00 AM to 01:00 PM
10	Concept of original design Trade-secret: Meaning. Criteria or Protection	3 Hour	Aug 31, 2019	10:00AM to 01:00 PM



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4. ENROLLED STUDENTS LIST

S. No.	Name of Student	PRN	Branch	Year
1	Acharya Pranav Laxmikant	2018016402554136	CE	III
2	Ansurkar Vinayak Sunil	2018016402554256	CE	III
3	Arya Neeraj Rameshchandra	2018016402554593	CE	III
4	Ayare Aniket Anil	2018016402554322	CE	III
5	Bandgar Ashish Sharda	2018016402554426	CE	III
6	Bari Aniket Deepak	2018016402554473	CE	III
7	Bari Raj Kisan	2018016402554217	CE	III
8	Behlim Junaid Mohammed Sharif	2018016402554612	CE	III
9	Bhoir Kirti Madhukar	2017016402647891	CE	III
10	Chandane Shivani Kishor	2018016402554697	CE	III
11	Chaturya Himanshu Mahesh	2018016402554361	CE	III
12	Chauhan Alpesh Mahesh	2018016402554554	CE	III
13	Chawan Mahesh Taru	2018016402554384	CE	III
14	Choudhary Mahendra Gajaram	2018016402554152	CE	III
15	Dalvi Sami Shakeel	2018016402554732	CE	III
16	Dongare Harshala Yashavant	2016016402517487	CE	III
17	Dubey Pavankumar Ramesh	2018016402554191	CE	III
18	Dutkar Jugal Naresh	2018016402554531	CE	III
19	Gawad Piyush Moreshwar	2018016402554457	CE	III
20	Gharat Monish Ravindra	2018016402554515	CE	III
21	Ingole Sanket Sanjay	2018016402554465	CE	III
22	Jadhav Harsad Laxman	2018016402554353	CE	III
23	Jadhav Rahul Ramesh	2018016402554295	CE	III
24	Jha Amay Premnath	2018016402554562	CE	III
25	Joshi Pritesh Chandrakant	2018016402554434	CE	III
26	Kadam Suryakant Tukaram	2018016402554716	CE	III
27	Kathole Rasika Rajendra	2018016402554635	CE	III
28	Mahajan Prem Prabhakar	2018016402554183	CE	III
29	Maindkar Jay Zaburao	2018016402554337	CE	III
30	Mishra Rishabh Tungnath	2018016402554272	CE	III
31	More Tejal Deepak	2015016401960416	CE	III
32	Nadar Agnes Athisha Thiravia	2017016402647972	CE	III
33	Naik Bhavik Kailas	2018016402554442	CE	III
34	Naik Omkar Manohar	2018016402554403	CE	III
35	Naik Rohan Bhuvaneshwar	2018016402554651	CE	III
36	Narkar Prashant Prakash	2018016402554724	CE	III
37	Parmar Rishabh Hemant	2018016402554225	CE	III
38	Pathan Nadim Akhtar	2018016402554604	CE	III
39	Patil Durvesh Bharat	2018016402554682	CE	III
40	Patil Mayuresh Nayan	2018016402554411	CE	III
41	Patil Pravin Balkrishna	2018016402554701	CE	III
42	Patil Vrushank Hitendra	2018016402554392	CE	III
43	Pawar Roshani Sanjay	2018016402554546	CE	III
44	Pimple Sahil Jitendra	2018016402554233	CE	III
45	Pimple Sanay Mahendra	2018016402554345	CE	III
46	Rane Ashish Chandrashekhar	2018016402554481	CE	III
47	Rasabahire Rahul Raju Kasturi	2018016402554167	CE	III



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48	Raut Amey Chandrakant	2018016402554306	CE	III
49	Raut Hardik Sudarshan	2018016402554666	CE	III
50	Sankhe Virag Milindkumar	2018016402554643	CE	III
51	Sarvankar Prachi Suresh	2018016402554314	CE	III
52	Shaikh Mohammed Hussain	2018016402554507	CE	III
53	Shaikh Shadab Ramzan	2018016402554175	CE	III
54	Shaikh Shirin Mohamed	2017016402647917	CE	III
55	Shidruk Darshana Vilas	2018016402554577	CE	III
56	Shinde Ashwini Rajendra	2018016402554585	CE	III
57	Singh Adarshkumar Arvindkumar	2018016402554376	CE	III
58	Singh Kishan Jitendra	2018016402554241	CE	III
59	Singh Sandeep Vijay	2018016402554627	CE	III
60	Tari Omkar Hanumant	2018016402554144	CE	III
61	Thakare Akshay Krishna	2018016402554287	CE	III
62	Thakur Tanmay Pramod	2018016402554523	CE	III



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60	Tari Omkar Hanumant	2018016402554144	P	P	P	P	P	P	P	P	P	P	P
61	Thakare Akshay Krishna	2018016402554287	P	P	P	P	P	P	P	P	P	P	P
62	Thakur Tanmay Pramod	2018016402554523	P	P	P	P	P	P	A	P	P	P	P



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6. CERTIFICATES OF ELIGIBLE STUDENTS

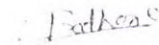
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE, MAHARASTRA

CERTIFICATE

It is certify that Mr. Acharya Pranav Laxmikant ID: 2018016402554136 Semester VIth Sem Branch Civil Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 26th August-31st August, 2019.



HOD



Coordinator

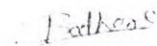
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA

CERTIFICATE

It is certify that Mr. Ansurkar Vinayak Sunil ID: 2018016402554256 Semester VIth Sem Branch Civil Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 26th August-31st August, 2019.



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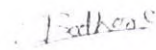
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA

CERTIFICATE

It is certify that Mr. Ayare Aniket Anil ID:
2018016402554322 Semester VIth Sem Branch Civil
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 26th August-
31st August, 2019.



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Coordinator

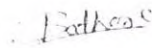
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE,
MAHARASTRA

CERTIFICATE

It is certify that Mr. Bandgar Ashish Sharda ID:
2018016402554426 Semester VIth Sem Branch Civil
Engineering successfully completed an Add-on Course on
Intellectual Property Rights and Patents Organised by
Mechanical Engineering Department from 26th August-
31st August, 2019.

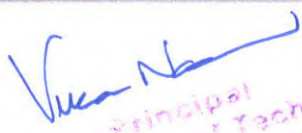


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District: Palghar, Maharashtra 421303

7. FEED BACK ANALYSIS

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	30	4	3	2	1
The course content was:	31	5	2	2	0
The instructor's contribution to the course was:	31	3	3	2	1
The instructor's effectiveness in teaching the subject matter was:	30	4	3	2	1
Course Organization was:	30	4	4	2	0
Explanations by instructor were:	33	4	3	0	0
Instructor's use of examples and illustrations was:	31	4	3	2	0
Student's confidence in instructor's knowledge was:	32	4	2	2	0
Answers to student questions were:	30	5	3	2	0
Availability of extra help when needed was:	31	5	2	1	1
Instructor's interest in student's progress was:	30	5	3	2	0
Relevance of course content was:	31	4	3	2	0
Please give overall rating of the course	31	3	3	2	1



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Sr.no.	Attributes		Total Feed Back				
			>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement				
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		75.0%	10.0%	7.5%	5.0%	2.5%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	5	2	2	0	Objective Achieved - Excellent & Very Good (90.0%)
		77.5%	12.5%	5.0%	5.0%	0.0%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	3	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		77.5%	7.5%	7.5%	5.0%	2.5%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		75.0%	10.0%	7.5%	5.0%	2.5%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	4	4	2	0	Objective Achieved - Excellent & Very Good (85.0%)
		75.0%	10.0%	10.0%	5.0%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	3	0	0	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	7.5%	0.0%	0.0%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	4	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		77.5%	10.0%	7.5%	5.0%	0.0%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	4	2	2	0	Objective Achieved - Excellent & Very Good (90.0%)
		80.0%	10.0%	5.0%	5.0%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	5	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		75.0%	12.5%	7.5%	5.0%	0.0%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	5	2	1	1	Objective Achieved - Excellent & Very Good (90.0%)
		77.5%	12.5%	5.0%	2.5%	2.5%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		30	5	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		75.0%	12.5%	7.5%	5.0%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	4	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		77.5%	10.0%	7.5%	5.0%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	3	3	2	1	Objective Achieved - Excellent & Very Good (85.0%)
		77.5%	7.5%	7.5%	5.0%	2.5%	

Overall Remarks:- After the feedback study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.



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8. PHOTO



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Add-on Course offered
2018-19

2018-19

A REPORT

on

An Add-on Course

on

“Total Quality Management”

(AOC-DEP-ME-TQM)

From

4th -9th February 2019



Organized By:

**Department of Mechanical
Ideal Institute of Technology, Wada**

[Handwritten signature]

[Faint stamp text: Principal, Ideal Institute of Technology, Wada, Taluka-Wada, Dist. - Dhule, Maharashtra 431001]

CONTENTS

S. No.	Chapter
1	Add on Course Brochure
2	About the Course
3	Q Sheet
4	Enrolled Students List
5	Attendance sheets of enrolled students
6	Certificates of eligible students
7	Student feedback for course
8	Course Session Photos




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1. ADD-ON COURSE BROCHURE

IDEAL INSTITUTE OF TECHNOLOGY, WADA

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B. Tech courses. Candidate can pursue B. Tech, with the stream of Engineering. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE.

About the course

An add-on course on Total Quality Management (TQM) offers students a comprehensive understanding of quality improvement principles and methodologies essential for organizational success. Through this course, students delve into the core concepts of TQM, including customer focus, continuous improvement, and employee involvement, gaining insights into techniques such as Six Sigma, Lean Management, and Kaizen. By studying TQM principles and practices, students learn to identify inefficiencies, reduce defects, and enhance processes across various industries, empowering them to drive organizational excellence and competitiveness.

Moreover, the course provides hands-on training in TQM tools and techniques, equipping students with practical skills in quality assurance, process optimization, and problem-solving.



Through case studies and interactive exercises, students develop the ability to apply TQM principles in real-world scenarios, fostering a culture of quality, innovation, and continuous improvement within organizations. Ultimately, this add-on course prepares students to become quality management professionals capable of leading quality improvement initiatives and driving organizational success in today's dynamic and competitive business environment.

Schedule

4th -9th February 2019

Last date for registration 2nd February 2019

Eligibility

Applicants should be of any branch of engineering

Course Fee

This course is totally free for institute students

Contact Us

http://idealwada.com/about_mech.php

For course Registration and query:

For any query contact to HOD



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Ideal Institute of Technology, Wada
Department of Mechanical Engineering

Notice

Date: 28/01/2019

It is notified for all the students of the third year Mechanical Engineering that the Department is going to organize Add-on Course on **(AOC-DEP-ME-TQM) "Total quality management"**, for their benefits in the near future. The duration of the course will be of 30 contact hours which will be covered from 4th February 2019 to 9th February 2019.

Interested bonafide students are advised to register themselves. **The last date of registration is 03-02-2019.** If any Query regarding add on course contact to HOD.

Note:

The course is free of cost.

Minimum 70% attendance is mandatory.

The successful candidates will be issued certificates by the college.



HOD (Mechanical)



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2. ABOUT THE COURSE

Course Name: Intellectual Property Rights (AOC-DEP-MECH-IPRP)

Course Summary: Intellectual property is the currency of the tech world. The engineering patent for Lipitor generated over \$100 billion in revenue, the copyright for the Harry Potter franchise has generated over \$25 billion to date, and the trademarked brands of the world's largest tech companies now eclipse \$100 billion in value. But what makes these intangible assets so valuable. Through the courses in this specialization, you will learn the differences between the various forms of U.S. intellectual property rights, including patents, copyrights, and trademarks, and their various applications to human innovations. Drawing from that knowledge, you will then work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. After completing these hands-on projects, you will have the necessary framework to craft integrated intellectual property strategies tailored to an organization's core business goals.

Enrollment Criteria:

1. Participants must be interested and engineering student (3rd year Mechanical Engineering only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Identify different types of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways to create and to extract value from IP.
- b. Recognize the crucial role of IP in organizations of different industrial sectors for the purposes of product and technology development.
- c. Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the precautions steps to be taken to prevent infringement of proprietary rights in products and technology development.
- d. Be familiar with the processes of Intellectual Property Management (IPM) and various approaches for IPM and conducting IP and IPM auditing and explain how IP can be managed as a strategic resource and suggest IPM strategy.
- e. Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.
- f. Be able to demonstrate a capacity to identify, apply and assess ownership rights and marketing protection under intellectual property law as applicable to information, ideas, new products and product marketing;



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Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Targ et	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of intellectual properties (IPs) and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Intellectual Property (IP).
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from IP and leverage its value in new product and service development
- Exposing to the Legal management of IP and understanding of real life practice of IPM.

Course Duration: 35 Hours



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Course Outline:

Module	Contents	Hours
1	Introduction	7
2	Copyrights	7
3	Patents	7
4	Trademarks	7
5	Design Method and Other form of IP	7

BOOK REFERENCES

1. "Total Quality Management: Text, Cases, and Readings" by James R. Evans and William M. Lindsay
2. "Quality Management for Organizational Excellence: Introduction to Total Quality" by David L. Goetsch and Stanley B.
3. "The New Economics for Industry, Government, Education" by W. Edwards Deming - Although not solely focused on TQM,
4. "Juran's Quality Handbook: The Complete Guide to Performance Excellence" by Joseph M. Juran, Joseph A. De Feo, and Juran Institute
5. "Quality Management: A Comprehensive Guide for Practitioners" by David L. Goetsch and Stanley B. Davis - This book provides a practical approach to quality management, covering TQM principles, tools, and techniques, with real-world examples and case studies.
6. "Total Quality Management: Strategies and Techniques Proven at Today's Most Successful Companies" by Stephen George and Arnold Weimerskirch.
7. "Implementing Total Quality Management: Concepts, Techniques, and Tools" by Besterfield, Dale H., Carol Besterfield-Michna, and Glen H. Besterfield



A handwritten signature in blue ink, appearing to read "Vikram Nair".

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3. Q SHEET

S. No	Activity	Duration	Date	Time
1.	Basic concept of Intellectual Proper Nature of Intellectual Property right	3 Hour	Feb 4, 2019	10:00 AM to 01:00 PM
2.	Justifications for protection of Subject matter. Original literary	3 Hour	Feb 4, 2019	02:00AM to 05:00 PM
3	Dramatic, musical, artistic work films, Sound, recordings	3 Hour	Feb 5, 2019	10:00 AM to 01:00 PM
4	Term of copyright, Rights of owner Patent Act 1970-amendmentsof 1999,2000,2002 and 2005	3 Hour	Feb 5, 2019	02:00AM to 05:00 PM
5	Patentable subject matter Process and patent protection	3 Hour	Feb 6, 2019	10:00 AM to 01:00 PM
6	Patenting	3 Hour	Feb 6, 2019	02:00PM to 05:00 PM
7	Introduction to Trademark Need for, Protection	3 Hour	Feb 7, 2019	10:00 AM to 01:00 PM
8	Registration of trademark	3 Hour	Feb 7, 2019	02:00PM to 05:00 PM
9	Meaning design protection	3 Hour	Feb 8, 2019	10:00 AM to 01:00 PM
10	Concept of original design Trade-secret: Meaning. Criteria or Protection	3 Hour	Feb 9, 2019	10:00AM to 01:00 PM



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4. ENROLLED STUDENTS LIST

S. No.	PRN	Name of Student	Branch	Year
1	2017016402619152	Bansode Manoj Adik	ME	III
2	2017016402619585	Bhalerao Aniket Dinesh	ME	III
3	2016016401314146	Bhoir Mayuresh Ramchandra	ME	III
4	2017016402619473	Bhoir Naval Kishor	ME	III
5	2017016402619771	Bhoir Pranit Prakash	ME	III
6	2015016402420924	Bhoir Suryakant Balaram	ME	III
7	2017016402619701	Bhuimbar Purushottam Govind	ME	III
8	2016016401313166	Chiman Shubham Subhash	ME	III
9	2017016402619287	Dhamankar Nilay Chandrakant	ME	III
10	2017016402648012	Dhaval Aniket Ashok	ME	III
11	2017016402619411	Dhivare Swapnil Suresh	ME	III
12	2016016401312952	Gaikwad Pradip Anant	ME	III
13	2016016401312727	Gauda Shreemant Judhistir	ME	III
14	2017016402619546	Jaiswal Nikhil Horilal	ME	III
15	2016016401312801	Jaiswar Neelesh Vijayshankar	ME	III
16	2016016401312871	Jedhe Akshay A.	ME	III
17	2017016402619403	Kabadi Omkar Milind	ME	III
18	2017016402619465	Kadam Nitesh Pandurang	ME	III
19	2017016402648035	Kale Vikas Ramdas	ME	III
20	2016016401313247	Kini Manas Narendra	ME	III
21	2017016402619272	Lade Manish Naresh	ME	III
22	2017016402619295	Lokhande Shubham Pravin	ME	III
23	2017016402619384	Machhi Devendra Chintaman	ME	III
24	2017016402619225	Machhi Hardik Ramesh	ME	III
25	2017016402619523	Mahure Mayur Prabhakar	ME	III
26	2017016402619674	Mali Roshan Maruti	ME	III
27	2017016402619353	Mali Uttam Tukaram	ME	III
28	2017016402619604	Mall Adarsh Chandrakesh	ME	III
29	2017016402619314	Mandre Akshay Pandit	ME	III
30	2017016402619755	Masurkar Pratik Uday	ME	III
31	2017016402619217	Meheta Jyotik Kantilal	ME	III
32	2016016401314107	Mhatre Preet Sunil	ME	III
33	2017016402619612	Mhetar Manoj Shamrao	ME	III
34	2017016402619191	Mishra Shubham Jitendra	ME	III
35	2016016401312991	Mithun Madhusoodanan	ME	III
36	2017016402619144	More Abhishek Subhash	ME	III
37	2017016402619554	More Sameer Sharad	ME	III
38	2017016402619361	Morgha Pralhad Madhukar	ME	III
39	2016016401313897	Nargolkar Bhunesh Dinesh	ME	III
40	2017016402661322	Pal Rahul Vijayshankar	ME	III
41	2017016402619481	Palande Bhushan Jaywant	ME	III
42	2017016402619241	Parab Abhishek Pandurang	ME	III
43	2016016401313901	Patel Bhavesh Dahyabhai	ME	III
44	2017016402619697	Patel Salman Yasin	ME	III
45	2017016402648027	Patil Aakash Dashrath	ME	III
46	2017016402619515	Patil Chirag Manohar	ME	III
47	2017016402619457	Patil Kaustubh Ravindra	ME	III
48	2017016402619442	Patil Kedar Kishor	ME	III
49	2017016402619716	Patil Manas Sanjay	ME	III
60	2017016402619376	Patil Mayank Prabhakar	ME	III
61	2017016402619763	Patil Yugendhar Chandrakant	ME	III



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6. CERTIFICATES OF ELIGIBLE STUDENTS

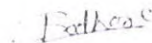
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE, MAHARASTRA

CERTIFICATE

It is certify that Mr. Bansode Manoj Adik ID: 2017016402619152 Semester VIth Sem Branch Mechanical Engineering successfully completed an Add-on Course on Total Quality Management Organised by Mechanical Engineering Department from 4th February 2019 to 9th February 2019.



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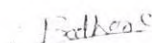
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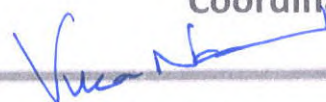
It is certify that Mr. Chiman Shubham Subhash ID: 2016016401313166 Semester VIth Sem Branch Mechanical Engineering successfully completed an Add-on Course on Total Quality Management Organised by Mechanical Engineering Department from 4th February 2019 to 9th February 2019.



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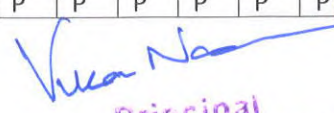


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5. ATTENDANCE SHEETS OF ENROLLED STUDENTS

S. No.	PRN	Name of Student	1	2	3	4	5	6	7	8	9	10
1	2017016402619152	Bansode Manoj Adik	P	P	A	P	P	P	P	P	P	P
2	2017016402619585	Bhalerao Aniket Dinesh	P	P	P	A	P	P	P	P	P	P
3	2016016401314146	Bhoir Mayuresh Ramchandra	A	A	A	A	A	A	A	A	A	A
4	2017016402619473	Bhoir Naval Kishor	P	P	P	P	P	A	P	P	P	P
5	2017016402619771	Bhoir Pranit Prakash	P	P	P	P	P	P	P	P	P	P
6	2015016402420924	Bhoir Suryakant Balaram	P	A	P	P	P	P	P	P	P	P
7	2017016402619701	Bhuimbar Purushottam	P	P	P	P	P	P	P	P	P	P
8	2016016401313166	Chiman Shubham Subhash	P	P	P	P	P	A	P	P	P	P
9	2017016402619287	Dhamankar Nilay Chandrakant	P	P	P	P	A	A	A	A	A	P
10	2017016402648012	Dhaval Aniket Ashok	P	A	P	P	P	P	P	P	P	P
11	2017016402619411	Dhivare Swapnil Suresh	P	P	P	P	P	P	P	P	P	P
12	2016016401312952	Gaikwad Pradip Anant	P	P	P	P	A	A	P	P	P	P
13	2016016401312727	Gauda Shreemant Judhistir	P	P	P	P	P	P	P	P	P	P
14	2017016402619546	Jaiswal Nikhil Horilal	P	P	P	P	P	P	P	P	A	P
15	2016016401312801	Jaiswar Neelesh Vijayshankar	P	P	P	P	P	A	P	P	P	P
16	2016016401312871	Jedhe Akshay A.	P	P	P	P	P	P	P	P	P	P
17	2017016402619403	Kabadi Omkar Milind	P	A	P	P	P	P	P	P	P	P
18	2017016402619465	Kadam Nitesh Pandurang	P	P	P	P	P	P	P	P	P	P
19	2017016402648035	Kale Vikas Ramdas	P	P	P	P	P	P	P	P	P	P
20	2016016401313247	Kini Manas Narendra	P	P	P	P	P	A	P	P	P	P
21	2017016402619272	Lade Manish Naresh	A	A	A	A	A	A	A	A	A	A
22	2017016402619295	Lokhande Shubham Pravin	P	P	P	P	P	P	P	A	P	P
23	2017016402619384	Machhi Devendra Chintaman	P	P	P	P	P	P	P	P	P	P
24	2017016402619225	Machhi Hardik Ramesh	P	P	P	P	P	P	P	P	A	P
25	2017016402619523	Mahure Mayur Prabhakar	P	P	P	P	P	P	P	A	P	P
26	2017016402619674	Mali Roshan Maruti	P	P	P	P	A	A	P	P	P	P
27	2017016402619353	Mali Uttam Tukaram	P	A	A	P	P	P	P	P	P	P
28	2017016402619604	Mall Adarsh Chandrakesh	P	P	P	P	P	P	P	P	P	P
29	2017016402619314	Mandre Akshay Pandit	P	P	P	P	P	P	P	P	P	P
30	2017016402619755	Masurkar Pratik Uday	P	P	P	P	P	P	P	P	P	P
31	2017016402619217	Meheta Jyotik Kantilal	P	P	P	P	P	P	P	P	P	P
32	2016016401314107	Mhatre Preet Sunil	P	P	P	A	A	A	A	A	P	P
33	2017016402619612	Mhetar Manoj Shamrao	P	P	P	P	P	P	P	P	P	P
34	2017016402619191	Mishra Shubham Jitendra	A	A	A	A	A	A	A	A	A	A
35	2016016401312991	Mithun Madhusoodanan	P	P	P	P	P	P	P	P	P	P
36	2017016402619144	More Abhishek Subhash	A	A	A	A	A	A	A	A	A	A
37	2017016402619554	More Sameer Sharad	P	P	P	P	P	P	P	P	P	P
38	2017016402619361	Morgha Pralhad Madhukar	P	P	P	P	P	P	P	P	P	P
39	2016016401313897	Nargolkar Bhunesh Dinesh	P	P	P	P	P	P	P	P	P	P
40	2017016402661322	Pal Rahul Vijayshankar	P	P	P	P	P	P	P	P	P	P
41	2017016402619481	Palande Bhushan Jaywant	A	A	A	A	A	A	A	A	A	A
42	2017016402619241	Parab Abhishek Pandurang	P	P	P	P	P	P	P	P	P	P
43	2016016401313901	Patel Bhavesh Dahyabhai	P	P	P	P	P	P	P	P	P	P
44	2017016402619697	Patel Salman Yasin	P	P	P	P	P	P	P	P	P	P
45	2017016402648027	Patil Aakash Dashrath	P	P	P	P	A	A	A	A	A	A
46	2017016402619515	Patil Chirag Manohar	P	P	P	P	P	P	P	P	P	P
47	2017016402619457	Patil Kaustubh Ravindra	P	P	P	P	P	P	P	P	P	P
48	2017016402619442	Patil Kedar Kishor	A	A	A	A	A	A	A	A	A	A
49	2017016402619716	Patil Manas Sanjay	P	P	P	P	P	P	P	P	P	P
60	2017016402619376	Patil Mayank Prabhakar	P	P	P	P	P	P	P	P	P	P
61	2017016402619763	Patil Yugendhar Chandrakant	P	P	P	P	P	P	P	P	P	P




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7. FEED BACK ANALYSIS

Feed Back Questions	Excellent (5)	Very Good (4)	Good(3)	Poor (2)	Very Poor (1)
The course as a whole was:	39	5	5	3	0
The course content was:	36	8	4	3	0
The instructor's contribution to the course was:	37	9	4	1	0
The instructor's effectiveness in teaching the subject matter was:	40	7	4	2	0
Course Organization was:	41	7	3	2	0
Explanations by instructor were:	39	8	4	1	0
Instructor's use of examples and illustrations was:	41	8	2	1	0
Student's confidence in instructor's knowledge was:	42	5	4	1	0
Answers to student questions were:	40	7	3	2	1
Availability of extra help when needed was:	39	8	4	1	0
Instructor's interest in student's progress was:	41	6	3	1	2
Relevance of course content was:	40	6	5	1	1
Please give overall rating of the course	41	7	3	1	0



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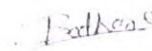
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CERTIFICATE

It is certify that Mr. Jaiswal Nikhil Horilal ID: 2017016402619546 Semester VIth Sem Branch Mechanical Engineering successfully completed an Add-on Course on Total Quality Management Organised by Mechanical Engineering Department from 4th February 2019 to 9th February 2019.



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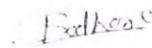
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE, MAHARASTRA

CERTIFICATE

It is certify that Mr. Mhatre Preet Sunil ID: 2016016401314107 Semester VIth Sem Branch Mechanical Engineering successfully completed an Add-on Course on Total Quality Management Organised by Mechanical Engineering Department from 4th February 2019 to 9th February 2019.

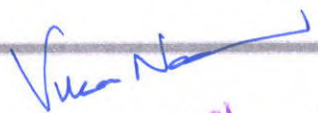


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Sr. No.	Attributes	Total Feedback					52
		>80% Objective Achieved, 60 to 79% Satisfactory, Below 60% Need Improvement					
1	The Course as whole was	Outstanding	Excellent	Good	Average	Satisfactory	Remarks
		39	5	5	3	0	>80% Objective Achieved
		75	10	10	5	0	
2	The course content was	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		36	8	4	3	0	>80% Objective Achieved
		70	16	8	6	0	
3	The instructor's contribution to the was course	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		37	9	4	1	0	>80% Objective Achieved
		72	18	8	2	0	
4	Instructor's effectiveness in teaching the subject master was:	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		40	7	4	2	0	>80% Objective Achieved
		77	13	7	3	0	
5	Course organization was	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		41	7	3	2	0	>80% Objective Achieved
		78	13	6	3	0	
6	Explanations by instructions were	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		39	8	4	1	0	>80% Objective Achieved
		75	15	8	2	0	
7	instructor's use of examples and illustrations	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		41	8	2	1	0	>80% Objective Achieved
		79	15	4	2	0	
8	Student's confidence in instructors knowledge	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		42	5	4	1	0	>80% Objective Achieved
		80	10	7	2	0	
9	Answers to students questions were	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		40	7	3	2	1	>80% Objective Achieved
		76	14	5	4	1	
10	Availability of extra help when needed	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		39	8	4	1	0	>80% Objective Achieved
		75	15	7	2	0	
11	Instructor's interest in students' progress	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		41	6	3	1	2	>80% Objective Achieved
		79	11	6	2	2	
12	Relevance of course content was	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		40	6	5	1	1	>80% Objective Achieved
		76	12	10	2	2	
13	Please give overall rating of the course	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		41	7	3	1	0	>80% Objective Achieved
		78	14	6	2	0	

Overall Remark:- As the feedback study should be done by projector and Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

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8. PHOTO



Vivek Nam
Principal
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A Report of

2018-19

Add on Course

On

“Fundamental of CNC Machining”

September 24, 2018 to September 29, 2018

Coordinated by

Mr. Avdesh Singh.

Organized by



DTE CODE- 3465

IDEAL INSTITUTE OF TECHNOLOGY

Posheri, Wada, Dist. Palghar, Maharashtra - 421303

Empowering India through knowledge

Approved by AICTE & Affiliated to Mumbai University

Department of Mechanical Engineering

Ideal Institute of Technology

State- Maharashtra, (India)

Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

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3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo

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1. Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

In Academic, Social & Industrial Activities and details on other institutions run by the Promoting Body Members are involved in academic, social and industrial activities. The Chairman of the society is engaged in the Social activities, which include academically and financially helping the poor and / or meritorious students.

A d d - o n C o u r s e



About the Course

- ❖ The goal of this course is to teach persons with a technical background how to program and operate Computer Numerical Control (CNC) mills and lathes. This course bridges the gap between what persons with a technical education know and what they must learn to begin using CNC machine tools. The types of parts, materials and machining operations that engineers, innovators, and niche manufacturers often use are featured. Work holding techniques well suited to prototype and short-run production are detailed and used as examples

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 17 September 2018

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Ideal Institute of Technology
Department of Mechanical Engineering

Notice

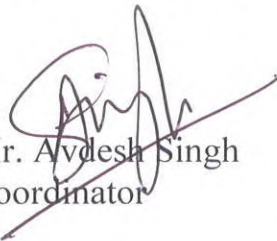
Date: 14/09/2018

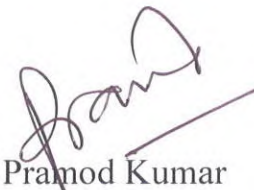
It is notified for all the Mechanical Engineering students of the Second Year that the Mechanical Department is going to organize Add-on Course on “**CNC Machining**”, from 24/09/2018 To 29/09/2018. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. **The last date of registration is 17-09-2018.** If any Query regarding add on course contact to Mr. Avdesh Singh.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Avdesh Singh
Coordinator


Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:

1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar

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1. About the Course

Course Name: CNC Machining

Course Summary:

The goal of this course is to teach persons with a technical background how to program and operate Computer Numerical Control (CNC) mills and lathes. This course bridges the gap between what persons with a technical education know and what they must learn to begin using CNC machine tools. The types of parts, materials and machining operations that engineers, innovators, and niche manufacturers often use are featured. Work holding techniques well suited to prototype and short-run production are detailed and used as examples

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IIInd Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- Understand fundamentals of CNC
- Learn and Write CNC Part Programming
- Learn CNC Programming through CAD/CAM
- Understand machines like Chucking and Turning Centres, Machining Centres

Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3		3		4		3			3				3
CO2	3		3	4		3		3		3	3		3		
CO3	1		3							1			3		2
CO4	3		3							3			3		
Target	3	2	3	5		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

The learner is expected to have the following:

- Engineering or other technical degree or equivalent experience.
- Knowledge of the proper use of basic hand tools and precision measuring instruments, including calipers and micrometers.
- Some manual machining experience is helpful but not required.
- Knowledge of Solidworks is a pre-requisite or co-requisite for this course.

Course Duration: 30 Hours

Course Outline:

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Department of Mechanical Engineering

Module	Contents	Hours
1	Introduction & CNC Process	6
2	Coordinate Systems	6
3	CNC Programming	6
4	CNC Operation	6
5	CNC Turning	6

REFERENCES:

1. CAD/CAM Principles and Applications, P. N. Rao, Tata McGraw Hill Publications
2. CNC Technology and Programming, Krar, S., and Gill, A., McGraw Hill Publishers.
3. CNC Programming for Machining, Kaushik Kumar, ChikeshRanjan, J. Paulo Davim, Springer Publication.
4. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd

1. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introduction & CNC Process Prototype vs. Production Machining	3 Hour	Sept 24,2018	09:30 to 12:30 PM
2.	Overview of CAD/CAM Process	3 Hour	Sept 24,2018	01:30 to 04:30 PM
3	Cartesian Coordinate System 3D Cartesian Coordinate System	3 Hour	Sept 25,2018	09:30 to 12:30PM
4	Vertical Machining Center (VMC) Motion CNC Motion Control CNC Machine Coordinates	3 Hour	Sept 25,2018	01:30 to 04:30 PM
5	Introduction to G Code CNC Language and Structure Program Format	3 Hour	Sept 26,2018	09:30 to 12:30PM

6	Alphabetic & Special Character Address Codes Select G-Code Definitions	3 Hour	Sept 26,2018	01:30 to 04:30 PM
7	Overview of CNC Setup and Operation Machine and Tool Offsets Fixture Offset	3 Hour	Sept 27,2018	09:30 to 12:30PM
8	Start/Home Machine Load Tools	3 Hour	Sept 27,2018	01:30 to 04:30 PM
9	Lathe Components Lathe Coordinate System Tools and Tool Holders	3 Hour	Sept 28,2018	09:30 to 12:30PM
10	Cutting Speeds and Feeds Lathe Setup and Programming Example	3 Hour	Sept 28,2018	01:30 to 04:30 PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	Sept 29,2018	01:30 to 03:30 PM

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2. Enrolled Students List

S. N.	Reg. No	Name
1	2018016402536703	BAHADKAR RAJAS KAMALAKAR
2	2017016402618856	BAHIRAMKAR AKASH GOVIND
3	2017016402618864	BASUDKAR SHUBHAM VIJAY
4	2018016402536123	BHOIR SAURABH ANANT
5	2018016402536773	BONDRE NIKET RAMESH
6	2018016402536107	CHAUDHARI MOHIT HEMANT
7	2018016402536645	CHAVAN SAIRAJ SHRIDHAR
8	2018016402536796	CHAVAN VAIBHAV DNYANESHWAR
9	2018016402536235	CHOUDHARY JITENDRA VAGARAM
10	2017016402618937	CHOUDHARY PRABHASH
11	2018016402536452	CHURI KAIVALYA PRAKASH
12	2018016402536185	DHADAVE SANKET SUBHASH
13	2018016402536154	DUBEY VIVEK OMPRAKASH
14	2016016401230852	GAIKAR MITESH MANGESH
15	2018016402536541	GANDHI RONAK ANILKUMAR
16	2018016402536436	HIRAVE SAMIR VITTHAL
17	2018016402536533	JETHWA PARAS RAMESHBHAI
18	2018016402536347	JOSHI RACHIT GANGARAM
19	2018016402536355	KACHGUNDE AKASH SHIVAJI
20	2018016402536371	KANKAD AJIT MAHADU
21	2018016402536115	KASURDE AAKASH SHANTARAM
22	2018016402536444	KHARPUDE MAYUERSH VIJAY
23	2018016402536572	KHOT YASH PRATAP
24	2018016402536517	LAVANDE NAYAN SANJAY
25	2018016402536757	LOKHANDE HARESHWAR NEMICHAND
29	2018016402536243	MALI ROHAN GANESH
30	2018016402536475	MALI SIDDHANT HARESHWAR
31	2014016400971096	MEHER PRANAY TUSHAR
32	2018016402536614	MHATRE NISHANT RAJESH
33	2018016402536525	MHATRE PRATHAMESH SHARAD
34	2017016402618945	MOHAMMED FARZAN MOHAMMED
35	2018016402536332	MORE RAHUL HARISH
36	2018016402536177	MORE SHIRISH SUDHAKAR
37	2018016402536684	NARAYANAN ARUN SURESH
38	2018016402536692	PAGI HARSHAD PRAKASH
39	2018016402536204	PARAB SAURABH RAVINDRA
40	2018016402536413	PASHTE SUJIT JAGAN
41	2018016402536282	PATARE SAGAR MOHAN
42	2018016402536781	PATIL JAGRUT ASHOK
43	2018016402536556	PATIL MITESH RAJESH
44	2012016401413124	PAWASKAR SUSHIL SURESH

45	2018016402536661	PISE ASHISH SITARAM
46	2018016402536502	PORIYA SAGAR BABUBHAI
47	2018016402536483	PRASAD NITESH KUMAR PRADEEP
48	2018016402536491	REWALE HIMANSHU SUDHIR
49	2018016402536622	SANKHE ANIKET MANOHAR
50	2018016402536073	SANKHE CHINMAY SUNIL
51	2018016402536587	SATVI GAURAV DAYANAND
52	2018016402536421	SHETTY PRAKASH BALKRISHNA
53	2017016402647964	SHIROSHE AMIT VISHWANATH
54	2018016402536193	SHIRSAT PARAG SUHAS
55	2018016402536394	SONAWANE NINAD RAMESH
56	2018016402536363	TAMBADA ROHIT DHAKATYA
57	2018016402536096	TAMORE VIKRANT BHARAT
58	2018016402536405	THOMBARE SURAJ RAMESH
59	2018016402536742	TOHKE HARSHAL PRAKASH
60	2018016402536081	UJGAONKAR SHREYASH PRAKASH

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3. Attendance sheets of Enrolled students

S.no	Roll no	Branch	Name of students	Day 1	Day 2	Day 3	Day 4	Day 5
1	2018016402536703	ME	BAHADKAR RAJAS KAMALAKAR	Rajas	Rajas	Rajas	Rajas	Rajas
2	2017016402618856	ME	BAHIRAMKAR AKASH GOVIND	Akash	Akash	Akash	Akash	Akash
3	2017016402618864	ME	BASUDKAR SHUBHAM VIJAY	Shubham	Shubham	Shubham	Shubham	Shubham
4	2018016402536123	ME	BHOIR SAURABH ANANT	Saurabh	Saurabh	Saurabh	Saurabh	Saurabh
5	2018016402536773	ME	BONDRE NIKET RAMESH	Niket	Niket	Niket	Niket	Niket
6	2018016402536107	ME	CHAUDHARI MOHIT HEMANT	Mohit	Mohit	Mohit	Mohit	Mohit
7	2018016402536645	ME	CHAVAN SAIRAJ SHRIDHAR	Sairaj	Sairaj	Sairaj	Sairaj	Sairaj
8	2018016402536796	ME	CHAVAN VAIBHAV DNYANESHWAR	Vaibhav	Vaibhav	Vaibhav	Vaibhav	Vaibhav
9	2018016402536235	ME	CHOUDHARY JITENDRA VAGARAM	Jitendra	Jitendra	Jitendra	Jitendra	Jitendra
10	2018016402618937	ME	CHOUDHARY PRABHASH	Prabhash	Prabhash	Prabhash	Prabhash	Prabhash
11	2018016402536452	ME	CHURI KAIVALYA PRAKASH	Kaivalya	Kaivalya	Kaivalya	Kaivalya	Kaivalya
12	2018016402536185	ME	DHADAVE SANKET SUBHASH	Sanket	Sanket	Sanket	Sanket	Sanket
13	2018016402536154	ME	DUBEY VIVEK OMPRAKASH	Vivek	Vivek	Vivek	Vivek	Vivek
14	2016016401230852	ME	GAIKAR MITESH MANGESH	Mitesh	Mitesh	Mitesh	Mitesh	Mitesh
15	2018016402536541	ME	GANDHI RONAK ANILKUMAR	Ronak	Ronak	Ronak	Ronak	Ronak
16	2018016402536436	ME	HIRAVE SAMIR VITHAL	Samir	Samir	Samir	Samir	Samir
17	2018016402536533	ME	JETHWA PARAS RAMESHBHAI	Paras	Paras	Paras	Paras	Paras
18	2018016402536347	ME	JOSHI RACHIT GANGARAM	Rachit	Rachit	Rachit	Rachit	Rachit
19	2018016402536355	ME	KACHGUNDE AKASH SHIVAJI	Akash	Akash	Akash	Akash	Akash
20	2018016402536371	ME	KANKAD AJIT MAHADU	Ajit	Ajit	Ajit	Ajit	Ajit
21	2018016402536115	ME	KASURDE AAKASH SHANTARAM	Aakash	Aakash	Aakash	Aakash	Aakash
22	2018016402536444	ME	KHARPUDE MAYUERSH VIJAY	Vijay	Vijay	Vijay	Vijay	Vijay
23	2018016402536572	ME	KHOT YASH PRATAP	Yash	Yash	Yash	Yash	Yash
24	2018016402536517	ME	LAVANDE NAYAN SANJAY	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
25	2018016402536757	ME	LOKHANDE HARESHWAR NEMICHAND	Hareshwar	Hareshwar	Hareshwar	Hareshwar	Hareshwar
26	2018016402536243	ME	MALI ROHAN GANESH	Rohan	Rohan	Rohan	Rohan	Rohan
27	2018016402536475	ME	MALI SIDDHANT HARESHWAR	Siddhant	Siddhant	Siddhant	Siddhant	Siddhant
28	2014016400971096	ME	MEHER PRANAY TUSHAR	Pranay	Pranay	Pranay	Pranay	Pranay
29	2018016402536614	ME	MHATRE NISHANT RAJESH	Nishant	Nishant	Nishant	Nishant	Nishant
30	2018016402536525	ME	MHATRE PRATHAMESH SHARAD	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
31	2017016402618945	ME	MOHAMMED FARZAN MOHAMMED	Farzan	Farzan	Farzan	Farzan	Farzan

35	2018016402536332	ME	MORE RAHUL HARISH	Romane	Romane	Romane	Romane
36	2018016402536177	ME	MORE SHIRISH SUDHAKAR	Shirish	Shirish	Shirish	Shirish
37	2018016402536684	ME	NARAYANAN ARUN SURESH	Arun	Arun	Arun	Arun
38	2018016402536692	ME	PAGI HARSHAD PRAKASH	H Pagi	H Pagi	H Pagi	H Pagi
39	2018016402536204	ME	PARAB SAURABH RAVINDRA	Saurabh	Saurabh	Saurabh	Saurabh
40	2018016402536413	ME	PASHTHE SUJIT JAGAN	Sujit	Sujit	Sujit	Sujit
41	2018016402536282	ME	PATARE SAGAR MOHAN	Sagar	Sagar	Sagar	Sagar
42	2018016402536781	ME	PATIL JAGRUT ASHOK	Patil	Patil	Patil	Patil
43	2018016402536556	ME	PATIL MITESH RAJESH	Mitesh	Mitesh	Mitesh	Mitesh
44	2012016401413124	ME	PAWASKAR SUSHIL SURESH	Sushil	Sushil	Sushil	Sushil
45	2018016402536661	ME	PISE ASHISH SITARAM	Ashish	Ashish	Ashish	Ashish
46	2018016402536502	ME	PORIYA SAGAR BABUBHAI	Sagar	Sagar	Sagar	Sagar
47	2018016402536483	ME	PRASAD NITESH KUMAR PRADEEP	NPrasad	NPrasad	NPrasad	NPrasad
48	2018016402536491	ME	REWALE HIMANSHU SUDHIR	Himanshu	Himanshu	Himanshu	Himanshu
49	2018016402536622	ME	SANKHE ANIKET MANOHAR	Aniket	Aniket	Aniket	Aniket
50	2018016402536073	ME	SANKHE CHINMAY SUNIL	Chinmay	Chinmay	Chinmay	Chinmay
51	2018016402536587	ME	SATVI GAURAV DAYANAND	Gsatvi	Gsatvi	Gsatvi	Gsatvi
52	2018016402536421	ME	SHETTY PRAKASH BALKRISHNA	Prakash	Prakash	Prakash	Prakash
53	2017016402647964	ME	SHIROSHI AMIT VISHWANATH	Amit	Amit	Amit	Amit
54	2018016402536193	ME	SHIRSAT PARAG SUHAS	Parag	Parag	Parag	Parag
55	2018016402536394	ME	SONAWANE NINAD RAMESH	NSona	NSona	NSona	NSona
56	2018016402536363	ME	TAMBADA ROHIT DHAKATYA	Rohit	Rohit	Rohit	Rohit
57	2018016402536096	ME	TAMORE VIKRANT BHARAT	Vikram	Vikram	Vikram	Vikram
58	2018016402536405	ME	THOMBARE SURAJ RAMESH	Suraj	Suraj	Suraj	Suraj
59	2018016402536742	ME	TOHKE HARSHAL PRAKASH	Harshad	Harshad	Harshad	Harshad
60	2018016402536081	ME	UJGAONKAR SHREYASH PRAKASH	Shreyash	Shreyash	Shreyash	Shreyash



Marks of Eligible Candidate

S. no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2018016402536703	ME	BAHADKAR RAJAS KAMALAKAR	5	8	7	20
2	2017016402618856	ME	BAHIRAMKAR AKASH GOVIND	6	7	9	22
3	2017016402618864	ME	BASUDKAR SHUBHAM VIJAY	9	6	7	22
4	2018016402536123	ME	BHOIR SAURABH ANANT	6	8	6	20
5	2018016402536773	ME	BONDRE NIKET RAMESH	9	9	8	26
6	2018016402536107	ME	CHAUDHARI MOHIT HEMANT	8	8	7	23
7	2018016402536645	ME	CHAVAN SAIRAJ SHRIDHAR	8	8		24
8	2018016402536796	ME	CHAVAN VAIBHAV DNYANESHWAR	7	6	5	18
9	2018016402536235	ME	CHOUDHARY JITENDRA VAGARAM	6	8	7	21
10	2017016402618937	ME	CHOUDHARY PRABHASH	9	7	6	22
11	2018016402536452	ME	CHURI KAIVALYA PRAKASH	5	8	7	20
12	2018016402536185	ME	DHADAVE SANKET SUBHASH	6	7	9	22
13	2018016402536154	ME	DUBEY VIVEK OMPRAKASH	8	8	8	24
14	2016016401230852	ME	GAIKAR MITESH MANGESH	8	9	7	24
15	2018016402536541	ME	GANDHI RONAK ANILKUMAR	7	8	7	22
16	2018016402536436	ME	HIRAVE SAMIR VITTHAL	9	6	7	22
17	2018016402536533	ME	JETHWA PARAS RAMESHBHAI	6	8	6	20
18	2018016402536347	ME	JOSHI RACHIT GANGARAM	9	9	8	26
19	2018016402536355	ME	KACHGUNDE AKASH SHIVAJI	8	8	7	23
20	2018016402536371	ME	KANKAD AJIT MAHADU	8	8		24
21	2018016402536115	ME	KASURDE AAKASH SHANTARAM	7	6	5	18
22	2018016402536444	ME	KHARPUDE MAYUERSH VIJAY	6	8	7	21
23	2018016402536572	ME	KHOT YASH PRATAP	9	7	6	22
24	2018016402536517	ME	LAVANDE NAYAN SANJAY	9	7	6	22
25	2018016402536757	ME	LOKHANDE HARESHWAR NEMICHAND	5	8	7	20
29	2018016402536243	ME	MALI ROHAN GANESH	6	7	9	22
30	2018016402536475	ME	MALI SIDDHANT HARESHWAR	8	8	8	24
31	2014016400971096	ME	MEHER PRANAY TUSHAR	6	5	9	20
32	2018016402536614	ME	MHATRE NISHANT RAJESH	8	7	9	24
33	2018016402536525	ME	MHATRE PRATHAMESH SHARAD	9	9	8	26
34	2017016402618945	ME	MOHAMMED FARZAN MOHAMMED	5	8	7	20
35	2018016402536332	ME	MORE RAHUL HARISH	8	9	7	24
36	2018016402536177	ME	MORE SHIRISH SUDHAKAR	7	8	7	22

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CNC Machining

37	2018016402536684	ME	NARAYANAN ARUN SURESH	9	6	7	22
38	2018016402536692	ME	PAGI HARSHAD PRAKASH	6	8	6	20
39	2018016402536204	ME	PARAB SAURABH RAVINDRA	9	9	8	26
40	2018016402536413	ME	PASHTHE SUJIT JAGAN	9	6	7	22
41	2018016402536282	ME	PATARE SAGAR MOHAN	6	8	6	20
42	2018016402536781	ME	PATIL JAGRUT ASHOK	9	9	8	26
43	2018016402536556	ME	PATIL MITESH RAJESH	8	8	7	23
44	2012016401413124	ME	PAWASKAR SUSHIL SURESH	8	8		24
45	2018016402536661	ME	PISE ASHISH SITARAM	7	6	5	18
46	2018016402536502	ME	PORIYA SAGAR BABUBHAI	6	8	7	21
47	2018016402536483	ME	PRASAD NITESH KUMAR PRADEEP	9	7	6	22
48	2018016402536491	ME	REWALE HIMANSHU SUDHIR	9	7	6	22
49	2018016402536622	ME	SANKHE ANIKET MANOHAR	5	8	7	20
50	2018016402536073	ME	SANKHE CHINMAY SUNIL	6	7	9	22
51	2018016402536587	ME	SATVI GAURAV DAYANAND	8	8	8	24
52	2018016402536421	ME	SHETTY PRAKASH BALKRISHNA	6	5	9	20
53	2017016402647964	ME	SHIROSHE AMIT VISHWANATH	8	7	9	24
54	2018016402536193	ME	SHIRSAT PARAG SUHAS	9	9	8	26
55	2018016402536394	ME	SONAWANE NINAD RAMESH	5	8	7	20
56	2018016402536363	ME	TAMBADA ROHIT DHAKATYA	8	9	7	24
57	2018016402536096	ME	TAMORE VIKRANT BHARAT	7	8	7	22
58	2018016402536405	ME	THOMBARE SURAJ RAMESH	9	7	6	22
59	2018016402536742	ME	TOHKE HARSHAL PRAKASH	5	8	7	20
60	2018016402536081	ME	UJGAONKAR SHREYASH PRAKASH	6	7	9	22

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4. Certificate:



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**CERTIFICATE
OF COMPLETION**

THE FOLLOWING AWARD IS GIVEN TO

BAHADKAR RAJAS KAMALAKAR

Student of II year Registration Number 2018016402536703 for successfully
completing the 30-hours on Fundamental of CNC Machining.

Mr. Promod Kumar
HOD (Mechanical)

Mr. Avdesh Singh
Coordinator

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9. Photos



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Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	50	4	5	1	0
The course content was:	51	5	4	0	0
The instructor's contribution to the course was:	49	6	5	0	0
The instructor's effectiveness in teaching the subject matter was:	48	8	3	1	0
Course Organization was:	50	5	4	1	0
Explanations by instructor were:	55	3	1	1	0
Instructor's use of examples and illustrations was:	51	5	4	0	0
Student's confidence in instructor's knowledge was:	49	6	5	0	0
Answers to student questions were:	48	8	3	1	0
Availability of extra help when needed was:	50	5	4	1	0
Instructor's interest in student's progress was:	55	3	1	1	0
Relevance of course content was:	50	4	5	1	0
Please give overall rating of the course	51	5	4	0	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.

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Optional – Your name and contact address.

CNC Machining

Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory. Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (90.01%)
		50	4	5	1	0	
		83.34	6.67	8.34	1.67	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (93.34%)
		51	5	4	0	0	
		85	8.34	6.67	0	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.67%)
		49	6	5	0	0	
		81.67	10	8.34	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (93.64%)
		48	8	3	1	0	
		80	13.34	5	1.67	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.68%)
		50	5	4	1	0	
		83.34	8.34	6.64	1.67	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (96.67%)
		55	3	1	1	0	
		91.67	5	1.67	1.67	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (93.34%)
		51	5	4	0	0	
		85	8.34	6.67	0	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.67%)
		49	6	5	0	0	
		81.67	10	8.34	0	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (93.34%)
		48	8	3	1	0	
		80	13.34	5	1.67	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.68%)
		50	5	4	1	0	
		83.34	8.34	6.64	1.67	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (96.67%)
		55	3	1	1	0	
		91.67	5	1.67	1.67	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (90.01%)
		50	4	5	1	0	
		83.34	6.67	8.34	1.67	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (93.34%)
		51	5	4	0	0	
		85	8.34	6.67	0	0	

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

A Report of

Add on Course

On

“3-D Printing”

(AOC-DEP-ME-3DP)

24th – 29th September, 2018

Coordinated by

Mr. Rahul Bharti

Organized by



DTE CODE- 3465

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Department of Mechanical Engineering



Ideal Institute of Technology

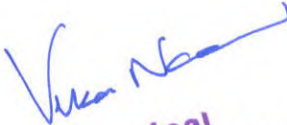
State- Maharashtra, (India)

Vivek N...
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Certificates of eligible students
7. Student feedback for course
8. Course Session Photo




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1. Add on Course Brochure



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About the college

IDEAL INSTITUTE OF TECHNOLOGY is committed to grooming leaders who are not only thorough professionals but also good human beings. Our faculty and senior team travel all over the globe to learn and imbibe the best practices so as to enable us to provide solid foundation for learning. As part of this endeavor, we have provided well equipped library with books from diversified areas, periodicals and National & International Journals.

Academic programs at Ideal institute of technology are designed to enable growth and learning in a highly focused and application-based environment. This is achieved through a combination of formal lectures and hands-on experience in well-equipped laboratories and through learning based projects.

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About the Course:

- ❖ 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry

Course Fee: Nil

Duration of Course: 30 Hours

Last Date of Registration: 17 September 2018

Contact Person: Mr. Rahul Bharti



Vivek N...
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Department of Mechanical Engineering

Ideal Institute of Technology
Department of Mechanical Engineering

Notice

Date: 14/09/2018

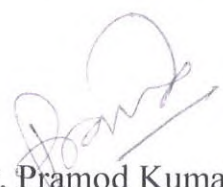
It is notified that Mechanical Department is going to organize Add-on Course on "3-D Printing", for all final year students of mechanical engineering from 24/09/2018 to 29/09/2018. The duration of the course will be off 30 contact hours which will be covered in 6 days.

Interested bonafide students are advised to register themselves. The last date of registration is 17-09-2018. For any Query regarding add on course please contact to course coordinator Mr. Rahul Bharti.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.

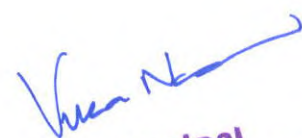

Mr. Rahul Bharti
Coordinator


Mr. Pramod Kumar
HOD (Mechanical Engineering)

CC:

1. The Principal(IIT Wada)
2. HOD(Civil)
3. The Registrar




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2. About the Course

Course Name: 3-D Printing

Course Summary: 3D Printing is an Additive Manufacturing technique that creates a physical object from a virtual 3D CAD model by depositing successive layers of material. They work like the traditional inkjet printers, but instead of ink, a 3D printer deposits desired material to manufacture an object from its digital format. 3D printing and rapid prototyping, in general, are widely claimed to have revolutionized not only the manufacturing industry but also many other walks of life like medicine, aerospace and automotive industry. This program on 3D Printing helps the participants understand the design, functioning and operation of a basic 3D Printer. It's distinct ability to manufacture complex shapes and structures has already made it invaluable for the production of prototypes such as engine manifolds for the automotive industry and tools such as investment casting moulds in the jewellery and aeronautical industries. This workshop will provide clear and comprehensive coverage of this exciting new technology.

Enrollment Criteria:

1. Participants must be interested and Mechanical Engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

1. Learn about the materials, designing of CAD models, working of a 3D Printer
2. Understand how to build and calibrate a 3D printer
3. Understand the basics of G code generation
4. The participants will get 3D printed models that they design

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding the design aspects of the 3D printable file
- The process of a consumer-level 3D printer
- FDM methodology.
- 3D printing case studies.
- Materials for Consumer 3D Printing



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Department of Mechanical Engineering

Course Duration: 30 Hours

Course Outline:

Module	Contents	Hours
1	Introduction	5
2	Algorithms used in design	5
3	Assembly	5
4	Demonstration of 3D Printing	5
5	Hardware & Software skills	5
6	Industrial 3D Printers ,Q&A	5

REFERENCES:

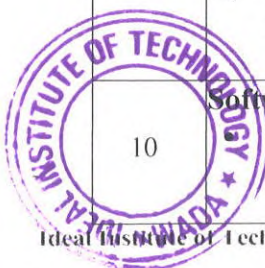
1. Medical Modelling The Application of Advanced Design and Rapid Prototyping Techniques in Medicine, Richard Bibb, Dominic Eggbeer and Abby Paterson, Woodhead Publishing Series in Biomaterials: Number 91, Elsevier Ltd.
2. Biomaterials, artificial organs and tissue engineering, Edited by Larry L. Hench and Julian R. Jones, Woodhead Publishing and Maney Publishing, CRC Press 2005
3. Additive Manufacturing Technologies: Rapid Prototyping to Direct Digital Manufacturing, I. Gibson I D. W. Rosen I B. Stucker, Springer Publication.
4. Rapid Prototyping and Manufacturing, P. F. Jacobs, Society of Manufacturing Engineers




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3. Q Sheet

S.No	Activity	Duration	Date	Time
1.	Introductory lecture on 3D printer and Rapid Prototyping	2.5 Hour	Sept 24,2018	09:30 to 12:00 PM
2.	Introduction to RepRap Arduino electronic controller Materials used for printing	2.5 Hour	Sept 24,2018	01:30 to 04:00 PM
3	Concepts of CAD Algorithms used in design	2.5 Hour	Sept 25,2018	09:30 to 12:00PM
4	Design of Assembly (Spur gear, Helical screw, simple design)	2.5 Hour	Sept 25,2018	01:30 to 04:00 PM
5	Introduction to G Code	2.5 Hour	Sept 26,2018	09:30 to 12:30PM
6	Demonstration of 3D Printer assembly	2.5 Hour	Sept 26,2018	01:30 to 04:00 PM
7	Testing and calibration of 3D Printer	2.5 Hour	Sept 27,2018	09:30 to 12:00PM
8	Demonstration of 3D Printing	2.5 Hour	Sept 27,2018	01:30 to 04:00 PM
9	Hardware skills - How to build an Ender 3 3D printer - How to calibrate, service & look after the printer - How to clean up parts and get the ready for assembly	2.5 Hour	Sept 28,2018	09:30 to 12:00PM
10	Software skills Basics of FUSION 360 (The CAD program we use to 3D model parts)	2.5 Hour	Sept 28,2018	01:30 to 04:00 PM



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Department of Mechanical Engineering

	• Designing for 3D printing • Basics of CURA (The program that virtually slices the parts to be printed)			
11	Types of Industrial 3D Printers	2.5 Hour	Sept 29,2018	09:30 to 12:00PM
12	Q&A • Exam conducted • Certificate distribution	2 Hour	Sept 29,2018	01:30 to 03:30 PM




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4. Enrolled Students List

S.No	Student name	Enrollment No. / PRN No.	Branch	Year
1	BANSODE MANOJ ADIK	2017016402619152	ME	III
2	BHALERAO ANIKET DINESH	2017016402619585	ME	III
3	BHOIR MAYURESH RAMCHANDRA	2016016401314146	ME	III
4	BHOIR NAVAL KISHOR	2017016402619473	ME	III
5	BHOIR PRANIT PRAKASH	2017016402619771	ME	III
6	BHOIR SURYAKANT BALARAM	2015016402420924	ME	III
7	BHUIMBAR PURUSHOTTAM GOVIND	2017016402619701	ME	III
8	CHIMAN SHUBHAM SUBHASH	2016016401313166	ME	III
9	DHAMANKAR NILAY CHANDRAKANT	2017016402619287	ME	III
10	DHAVAL ANIKET ASHOK	2017016402648012	ME	III
11	DHIVARE SWAPNIL SURESH	2017016402619411	ME	III
12	GAIKWAD PRADIP ANANT	2016016401312952	ME	III
13	GAUDA SHREEMANT JUDHISTIR	2016016401312727	ME	III
14	JAISWAL NIKHIL HORILAL	2017016402619546	ME	III
15	JAISWAR NEELESH VIJAYSHANKAR	2016016401312801	ME	III
16	JEDHE AKSHAY A.	2016016401312871	ME	III
17	KABADI OMKAR MILIND	2017016402619403	ME	III
18	KADAM NITESH PANDURANG	2017016402619465	ME	III
19	KALE VIKAS RAMDAS	2017016402648035	ME	III
20	KINI MANAS NARENDRA	2016016401313247	ME	III
21	LADE MANISH NARESH	2017016402619272	ME	III
22	LOKHANDE SHUBHAM PRAVIN	2017016402619295	ME	III
23	MACHHI DEVENDRA CHINTAMAN	2017016402619384	ME	III
24	MACHHI HARDIK RAMESH	2017016402619225	ME	III
25	MAHURE MAYUR PRABHAKAR	2017016402619523	ME	III
26	MALI ROSHAN MARUTI	2017016402619674	ME	III
27	MALI UTTAM TUKARAM	2017016402619353	ME	III
28	MALL ADARSH CHANDRAKESH	2017016402619604	ME	III
29	MANDRE AKSHAY PANDIT	2017016402619314	ME	III
30	MASURKAR PRATIK UDAY	2017016402619755	ME	III
31	MEHETA JYOTIK KANTILAL	2017016402619217	ME	III
32	MHATRE PREET SUNIL	2016016401314107	ME	III
33	MHETAR MANOJ SHAMRAO	2017016402619612	ME	III
34	MISHRA SHUBHAM JITENDRA	2017016402619191	ME	III
35	MITHUN MADHUSOODANAN	2016016401312991	ME	III
36	MORE ABHISHEK SUBHASH	2017016402619144	ME	III
37	MORE SAMEER SHARAD	2017016402619554	ME	III
38	MORPHA PRALHAD MADHUKAR	2017016402619361	ME	III
39	NARGOLKAR BHUNESH DINESH	2016016401313897	ME	III
40	PAL DEEPA VHAAYSHANKAR	2017016402661322	ME	III
41	PALANDE BHUSHAN JAYWANT	2017016402619481	ME	III
42	PARAB ABHISHEK PANDURANG	2017016402619241	ME	III
43	PATEL BHAVESH DAHYABHAI	2016016401313901	ME	III
44	PATEL SALMAN YASIN	2017016402619697	ME	III

45	PATIL AAKASH DASHRATH	2017016402648027	ME	III
46	PATIL CHIRAG MANOHAR	2017016402619515	ME	III
47	PATIL KAUSTUBH RAVINDRA	2017016402619457	ME	III
48	PATIL KEDAR KISHOR	2017016402619442	ME	III
49	PATIL MANAS SANJAY	2017016402619716	ME	III
50	PATIL MAYANK PRABHAKAR	2017016402619376	ME	III
51	PATIL YUGENDHAR CHANDRAKANT	2017016402619763	ME	III
52	RAUT NACHIKET ANIL	2017016402619264	ME	III
53	RAYATE AKSHAY CHANDRAKANT	2017016402619392	ME	III
54	SHINGE AKSHAY GOPINATH	2017016402619183	ME	III
55	SHUBHAM GANGADHAR KHARAT	2017016402619507	ME	III
56	SINGH AKASH RAJESH	2017016402619496	ME	III
57	SOLANKI SAGAR RAJESH	2017016402619821	ME	III
58	SUTAR RUSHIKESH MADHUKAR	2017016402619434	ME	III



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5. Attendance sheets of Enrolled students

Ideal Institute of Technology

Department of Mechanical Engineering

Add on course on : 3-D Printing

S.no	Enrollment Number	Branch	Name of students	Attendance					
				Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
1	2017016402619152	ME	BANSODE MANOJ ADIK	—	—	—	—	—	—
2	2017016402619585	ME	BHALERAO ANIKET DINESH	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
3	2016016401314146	ME	BHOIR MAYURESH RAMCHANDRA	—	—	—	—	—	—
4	2017016402619473	ME	BHOIR NAVAL KISHOR	—	—	—	—	—	—
5	2017016402619771	ME	BHOIR PRANIT PRAKASH	Pranish	Pranish	Pranish	Pranish	Pranish	Pranish
6	2015016402420924	ME	BHOIR SURYAKANT BALARAM	SB	SB	SB	SB	SB	SB
7	2017016402619701	ME	BHUIMBAR PURUSHOTTAM GOVIND	Pranish	Pranish	Pranish	Pranish	Pranish	Pranish
8	2016016401313166	ME	CHIMAN SHUBHAM SUBHASH	Pranish	Pranish	Pranish	Pranish	Pranish	Pranish
9	2017016402619287	ME	DHAMANKAR NILAY CHANDRAKANT	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket
10	2017016402648012	ME	DHAVAL ANIKET ASHOK	—	—	—	—	—	—
11	2017016402619411	ME	DHIVARE SWAPNIL SURESH	Pranish	Pranish	Pranish	Pranish	Pranish	Pranish
12	2016016401312952	ME	GAIKWAD PRADIP ANANT	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip
13	2016016401312727	ME	GAUDA SHREEMANT JUDHISTIR	Gauda	Gauda	Gauda	Gauda	Gauda	Gauda
14	2017016402619546	ME	JAISWAL NIKHIL HORILAL	Pranish	Pranish	Pranish	Pranish	Pranish	Pranish
15	2016016401312801	ME	JAISWAR NEELESH VIJAYSHANKAR	Neesesh	Neesesh	Neesesh	Neesesh	Neesesh	Neesesh
16	2016016401312871	ME	JEDHE AKSHAY A.	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
17	2017016402619403	ME	KABADI OMKAR MILIND	Omkar	Omkar	Omkar	Omkar	Omkar	Omkar
18	2017016402619465	ME	KADAM NITESH PANDURANG	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh	Nitesh
19	2017016402648035	ME	KALE VIKAS RAMDAS	Kale	Kale	Kale	Kale	Kale	Kale
20	2016016401313247	ME	KINI MANAS NARENDRA	—	—	—	—	—	—
21	2017016402619272	ME	LADDE MANISH NARESH	Manish	Manish	Manish	Manish	Manish	Manish
22	2017016402619295	ME	LOKHANDE SHUBHAM PRAVIN	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
23	2017016402619384	ME	MACHHI DEVENDRA CHINTAMAN	Dev	Dev	Dev	Dev	Dev	Dev
24	2017016402619225	ME	MACHHI HARDIK RAMESH	Hardik	Hardik	Hardik	Hardik	Hardik	Hardik
25	2017016402619523	ME	MAHURE MAYUR PRABHAKAR	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
26	2017016402619674	ME	MALI ROSHAN MARUTI	Roshan	Roshan	Roshan	Roshan	Roshan	Roshan
27	2017016402619353	ME	MALI UTTAM TUKARAM	Uttam	Uttam	Uttam	Uttam	Uttam	Uttam
28	2017016402619604	ME	MALL ADARSH CHANDRAKESH	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
29	2017016402619314	ME	MANDRE AKSHAY PANDIT	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
30	2017016402619755	ME	MASURKAR PRATIK UDAY	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik



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31	2017016402619217	ME	MEHETA JYOTIK KANTILAL	Jyoti Preet	Jyoti Preet	Jyoti Preet	Jyoti Preet
32	2016016401314107	ME	MHATRE PREET SUNIL	manoj	manoj	manoj	manoj
33	2017016402619612	ME	MHETAR MANOJ SHAMRAO	Shubham	Shubham	Shubham	Shubham
34	2017016402619191	ME	MISHRA SHUBHAM JITENDRA	Nishu	Nishu	Nishu	Nishu
35	2016016401312991	ME	MITHUN MADHUSOODANAN	Smore	Smore	Smore	Smore
36	2017016402619144	ME	MORE ABHISHEK SUBHASH	Samer	Samer	Samer	Samer
37	2017016402619554	ME	MORE SAMEER SHARAD	Pringha	Pringha	Pringha	Pringha
38	2017016402619361	ME	MORGA PRALHAD MADHUKAR	Bhuresh	Bhuresh	Bhuresh	Bhuresh
39	2016016401313897	ME	NARGOLKAR BHUNESH DINESH	Rahul	Rahul	Rahul	Rahul
40	2017016402661322	ME	PAL RAHUL VIJAYSHANKAR	Bhuresh	Bhuresh	Bhuresh	Bhuresh
41	2017016402619481	ME	PALANDE BHUSHAN JAYWANT	Pringha	Pringha	Pringha	Pringha
42	2017016402619241	ME	PARAB ABHISHEK PANDURANG	Bhuresh	Bhuresh	Bhuresh	Bhuresh
43	2016016401313901	ME	PATEL BHAVESH DAHYABHAI	Jyoti	Jyoti	Jyoti	Jyoti
44	2017016402619697	ME	PATEL SALMAN YASIN	Pringha	Pringha	Pringha	Pringha
45	2017016402648027	ME	PATIL AAKASH DASHRATH	Pringha	Pringha	Pringha	Pringha
46	2017016402619515	ME	PATIL CHIRAG MANOHAR	Pringha	Pringha	Pringha	Pringha
47	2017016402619457	ME	PATIL KAUSTUBH RAVINDRA	Kedar	Kedar	Kedar	Kedar
48	2017016402619442	ME	PATIL KEDAR KISHOR	Pringha	Pringha	Pringha	Pringha
49	2017016402619716	ME	PATIL MANAS SANJAY	Pringha	Pringha	Pringha	Pringha
50	2017016402619376	ME	PATIL MAYANK PRABHAKAR	Pringha	Pringha	Pringha	Pringha
51	2017016402619763	ME	PATIL YUGENDHAR CHANDRAKANT	Pringha	Pringha	Pringha	Pringha
52	2017016402619264	ME	RAUT NACHIKET ANIL	Pringha	Pringha	Pringha	Pringha
53	2017016402619392	ME	RAYATE AKSHAY CHANDRAKANT	Pringha	Pringha	Pringha	Pringha
54	2017016402619183	ME	SHINGE AKSHAY GOPINATH	Pringha	Pringha	Pringha	Pringha
55	2017016402619507	ME	SHUBHAM GANGADHAR KHARAT	Pringha	Pringha	Pringha	Pringha
56	2017016402619496	ME	SINGH AKASH RAJESH	Pringha	Pringha	Pringha	Pringha
57	2017016402619821	ME	SOLANKI SAGAR RAJESH	Pringha	Pringha	Pringha	Pringha
58	2017016402619434	ME	SUTAR RUSHIKESH MADHUKAR	Pringha	Pringha	Pringha	Pringha



Marks of Eligible Candidate

S.no	Roll no	Branch	Name of students	Q1(10)	Q2(10)	Q3(10)	Total(30)
1	2017016402619585	ME	BHALERAO ANIKET DINESH	8	9	7	24
2	2016016401314146	ME	BHOIR MAYURESH RAMCHANDRA	7	8	7	22
3	2017016402619473	ME	BHOIR NAVAL KISHOR	9	6	7	22
4	2017016402619771	ME	BHOIR PRANIT PRAKASH	6	8	6	20
5	2015016402420924	ME	BHOIR SURYAKANT BALARAM	9	9	8	26
6	2017016402619701	ME	BHUIMBAR PURUSHOTTAM GOVIND	8	8	7	23
7	2016016401313166	ME	CHIMAN SHUBHAM SUBHASH	8	8		24
8	2017016402619287	ME	DHAMANKAR NILAY CHANDRAKANT	7	6	5	18
9	2017016402619411	ME	DHIVARE SWAPNIL SURESH	6	8	7	21
10	2016016401312952	ME	GAIKWAD PRADIP ANANT	9	7	6	22
11	2016016401312727	ME	GAUDA SHREEMANT JUDHISTIR	5	8	7	20
12	2017016402619546	ME	JAISWAL NIKHIL HORILAL	6	7	9	22
13	2016016401312801	ME	JAISWAR NEELESH VIJAYSHANKAR	8	8	8	24
14	2016016401312871	ME	JEDHE AKSHAY A.	8	9	7	24
15	2017016402619403	ME	KABADI OMKAR MILIND	7	8	7	22
16	2017016402619465	ME	KADAM NITESH PANDURANG	9	6	7	22
17	2017016402648035	ME	KALE VIKAS RAMDAS	6	8	6	20
18	2017016402619272	ME	LADE MANISH NARESH	9	9	8	26
19	2017016402619295	ME	LOKHANDE SHUBHAM PRAVIN	8	8	7	23
20	2017016402619384	ME	MACHHI DEVENDRA CHINTAMAN	8	8		24
21	2017016402619225	ME	MACHHI HARDIK RAMESH	7	6	5	18
22	2017016402619523	ME	MAHURE MAYUR PRABHAKAR	6	8	7	21
23	2017016402619674	ME	MALI ROSHAN MARUTI	9	7	6	22
24	2017016402619353	ME	MALI UTTAM TUKARAM	9	7	6	22
25	2017016402619604	ME	MALL ADARSH CHANDRAKESH	5	8	7	20
26	2017016402619314	ME	MANDRE AKSHAY PANDIT	6	7	9	22
27	2017016402619755	ME	MASURKAR PRATIK UDAY	8	8	8	24
28	2017016402619217	ME	MEHETA JYOTIK KANTILAL	6	5	9	20
29	2016016401314107	ME	MHATRE PREET SUNIL	8	7	9	24
30	2017016402619612	ME	MHETAR MANOJ SHAMRAO	9	9	8	26
31	2017016402619191	ME	MISHRA SHUBHAM JITENDRA	5	8	7	20
32	2016016401312991	ME	MITHUN MADHUSOODANAN	8	9	7	24
33	2017016402619144	ME	MORE ABHISHEK SUBHASH	7	8	7	22
34	2017016402619554	ME	MORE SAMEER SHARAD	9	6	7	22
35	2017016402619361	ME	MORPHA PRALHAD MADHUKAR	6	8	6	20

36	2016016401313897	ME	NARGOLKAR BHUNESH DINESH	9	9	8	26
37	2017016402661322	ME	PAL RAHUL VIJAYSHANKAR	7	8	8	23
38	2017016402619481	ME	PALANDE BHUSHAN JAYWANT	7	7	9	23
39	2017016402619241	ME	PARAB ABHISHEK PANDURANG	9	9	7	25
40	2016016401313901	ME	PATEL BHAVESH DAHYABHAI	9	7	8	24
41	2017016402619697	ME	PATEL SALMAN YASIN	8	8	9	25
42	2017016402648027	ME	PATIL AAKASH DASHRATH	9	9	7	25
43	2017016402619515	ME	PATIL CHIRAG MANOHAR	8	9	9	26
44	2017016402619457	ME	PATIL KAUSTUBH RAVINDRA	7	9	9	25
45	2017016402619442	ME	PATIL KEDAR KISHOR	8	9	8	25
46	2017016402619716	ME	PATIL MANAS SANJAY	9	8	9	26
47	2017016402619376	ME	PATIL MAYANK PRABHAKAR	8	7	7	22
48	2017016402619763	ME	PATIL YUGENDHAR CHANDRAKANT	8	7	8	23
49	2017016402619264	ME	RAUT NACHIKET ANIL	8	7	7	22
50	2017016402619392	ME	RAYATE AKSHAY CHANDRAKANT	8	9	8	25
51	2017016402619183	ME	SHINGE AKSHAY GOPINATH	7	7	8	22
52	2017016402619507	ME	SHUBHAM GANGADHAR KHARAT	8	9	9	26
53	2017016402619496	ME	SINGH AKASH RAJESH	7	9	7	23
54	2017016402619821	ME	SOLANKI SAGAR RAJESH	8	7	7	22
55	2017016402619434	ME	SUTAR RUSHIKESH MADHUKAR	8	7	7	22



Vikram N. K.
Principal
Ideal Institute of Technology
 At Post-Posheri, Taluka-Wada,
 District-Palghar, Maharashtra 421303

6. Certificate:

IDEAL INSTITUTE OF TECHNOLOGY
Posheri, Taluka - Wada, Dist. - Thane, Maharashtra. Tel.: 02526-212144 | www.idealwada.com

CERTIFICATE

This is to Certify that *Mr. / Miss* _____
of Class _____ College _____ has
Participated actively in _____ held on _____
He / She secured _____ Position.

DATE _____

SECRETARY

PRINCIPAL
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Department of Mechanical

IDEAL INSTITUTE OF TECHNOLOGY
WADA

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WADA

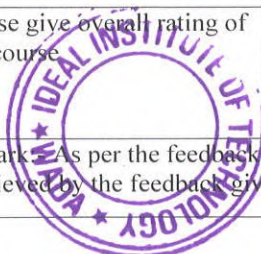
7. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	27	4	4	1	0
The course content was:	24	5	5	2	0
The instructor's contribution to the course was:	25	7	4	0	0
The instructor's effectiveness in teaching the subject matter was:	28	5	3	0	0
Course Organization was:	30	4	2	0	0
Explanations by instructor were:	26	6	3	1	0
Instructor's use of examples and illustrations was:	25	5	5	1	0
Student's confidence in instructor's knowledge was:	24	5	5	2	0
Answers to student questions were:	25	7	4	0	0
Availability of extra help when needed was:	28	5	3	0	0
Instructor's interest in student's progress was:	30	4	2	0	0
Relevance of course content was:	26	6	3	1	0
Please give overall rating of the course	25	5	5	1	0



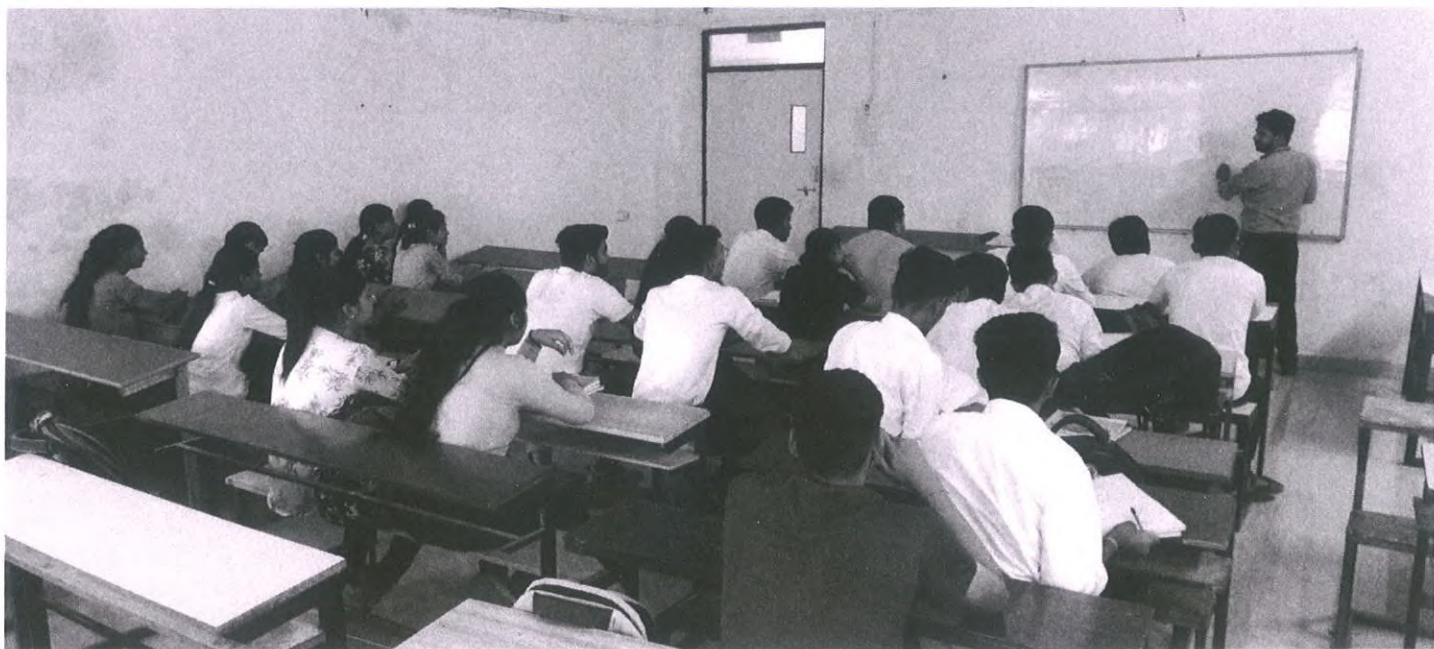
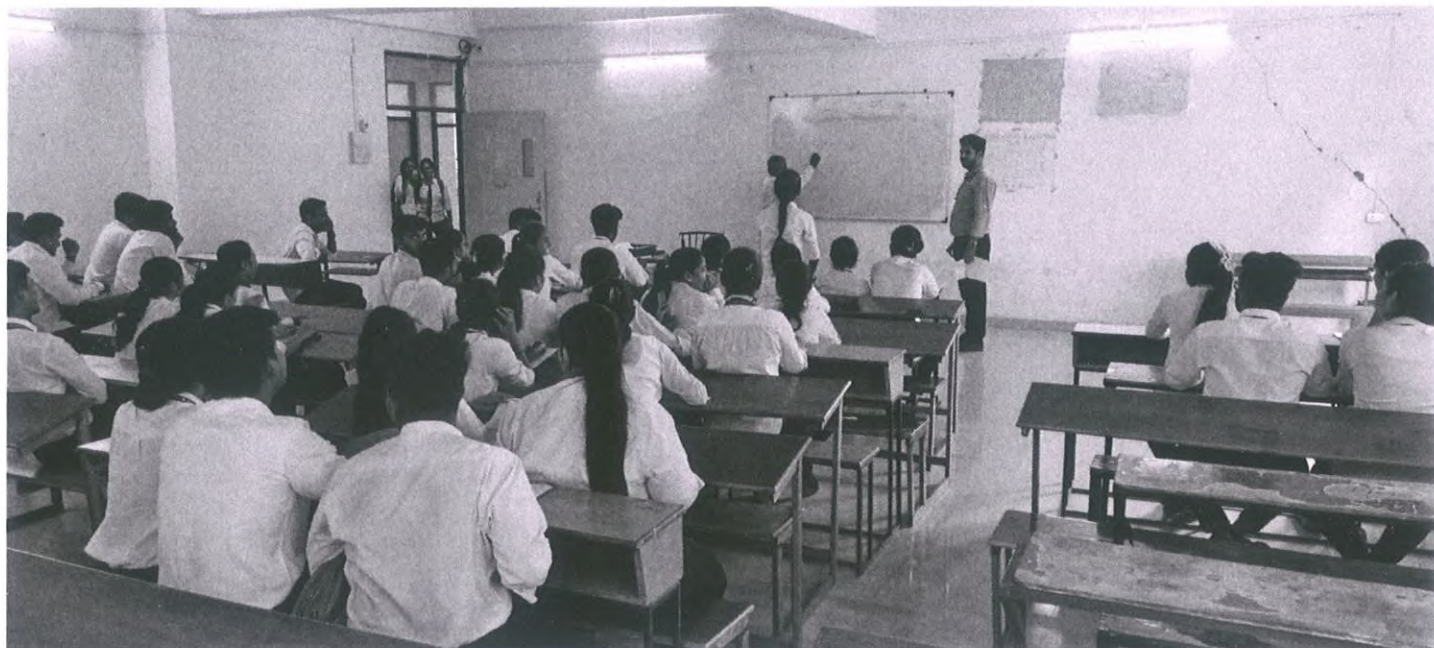
Vika N...
Principal
Ideal Institute of Technology
 At Post-Posheri, Taluka-Wada,
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Sr.no.	Attributes	Total Feed Back					Remark
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (86.14%)
		27	4	4	1	0	
		75	11.14	11.14	2.77	0	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (83.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (80.55%)
		24	5	5	2	0	
		66.67	13.88	13.88	5.56	0	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		25	7	4	0	0	
		69.44	19.45	11.12	0	0	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (91.65%)
		28	5	3	0	0	
		77.77	13.88	8.34	8.34	0	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (94.46%)
		30	4	2	0	0	
		83.34	11.12	5.55	0	0	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (88.89%)
		26	6	3	1	0	
		72.22	16.67	8.34	2.77	0	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Objective Achieved - Excellent & Very Good (78.32%)
		25	5	5	1	0	
		69.44	13.88	13.88	2.77	0	
Overall Remarks: As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.							



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8. Photos



Vivek N...
Principal
Ideal Institute of Technology
At Post-Pesheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

A Report of

Value Added

Course On

**“Autonomous Vehicles”
(VAC-ENGG-ME-AV)**

September 24th, 2018 to September 29th, 2018

Coordinated by

Dr. Pramod Kumar

Organized by



Department of Mechanical Engineering

IDEAL INSTITUTE OF TECHNOLOGY

State- Maharashtra, (India)



Vinay N.
Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

Contents

1. Add on Course Brochure
2. About the Course
3. Q Sheet
4. Enrolled Students List
5. Attendance sheets of enrolled students
6. Marks of Eligible Candidate
7. Sample Certificate
8. Course Session Photos
9. Student feedback for course




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1. Value added Course Brochure

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 6 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B.E. / B.Tech, B.Arch courses. Candidate can pursue in multiple range of courses like B.E. / B.Tech, B.Arch with the stream of Engineering, Architecture & Planning. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE. Ideal Institute of Technology, Wada offered courses for 301 seats. Courses offered by the Institute are in the fee range of INR 454,544-568,180 for a total of 301 candidates.

About the Course

The value-added course on Autonomous Vehicles is designed to provide students with a comprehensive understanding of the technology, principles, challenges, and applications of autonomous vehicles (AVs). Through a blend of theoretical knowledge and practical exercises, students will explore the intricate components and systems that enable vehicles to operate autonomously. The course aims to equip learners with the skills and insights necessary to navigate the evolving landscape of transportation, automation, and mobility.



Vijay N. N.
Principal
Ideal Institute of Technology
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Ideal College of Engineering
Department of Mechanical Engineering
Notice

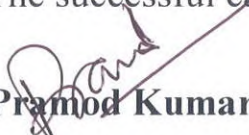
Date: 14/09/2018

It is notified for all the students of the Forth Year that the Department is going to organize Add-on Course on (VAC-ENGG-MECH-AV) “**Autonomous Vehicles**”, for 8th Semester students for their benefits in the near future. The duration of the course will be **off 35 contact hours** which will be covered in a week.

Interested bonafide students are advised to register themselves. **The last date of registration is 19/09/2018.** If any Query regarding add on course contact to Dr. Pramod Kumar.

Note:

1. The course is free of cost.
2. Minimum 70% attendance is mandatory.
3. The successful candidates will be issued certificates by the college.


Mr. Pramod Kumar
HOD (Mechanical)




Principal
Ideal Institute of Technology
At Post-Posheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

2. About the Course

Course Name: Autonomous Vehicles (AOC-ENGG-ME-AV)

Course Summary: Research and Development (R & D) plays a vital role in the overall progress of a country. The quality of research in the field of science and technology help in progressive growth of society in all the aspects. Research either in experimental and theoretical form is always appreciated, because without the support of theoretical research it is very difficult to achieve the goals within the stipulated time. A Autonomous Vehicles gives validity to the research and also provides scientifically sound findings. It also provides a detailed plan that helps to keep researchers on track, making the process smooth, effective and manageable. The findings of research need acceptability before its practical application in the industry or society. Focus of the course is to equip the students with fundamentals of Autonomous Vehicles. The objective is to make students aware of research ethics that must be followed while pursuing research work.

Enrollment Criteria:

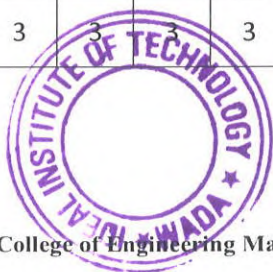
1. Participants must be interested and engineering student (IV Year Only)
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Understand the foundational principles of autonomous vehicle technology, including sensing, perception, decision-making, and control systems.
- b. Explore the various levels of automation in vehicles and distinguish between semi-autonomous and fully autonomous driving capabilities.
- c. Analyze the societal, economic, and environmental impacts of autonomous vehicles on transportation systems, urban planning, and sustainability.
- d. Evaluate the legal, ethical, and regulatory frameworks governing the deployment and operation of autonomous vehicles in different jurisdictions.
- e. Gain hands-on experience in programming, simulation, and testing of autonomous vehicle algorithms and software platforms.
- f. Collaborate in interdisciplinary teams to develop innovative solutions and applications leveraging autonomous vehicle technology.
- g. Critically assess the safety, reliability, and cybersecurity challenges associated with autonomous vehicles and propose mitigation strategies.
- h. Investigate emerging trends, research developments, and industry advancements shaping the future of autonomous mobility.

Course Outcomes & Program Outcomes Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3



Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of research techniques and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Autonomous Vehicles.
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from research its value in new developments.

COURSE DURATION: 35 HOURS

Course Outline:

Module	Contents	Hours
1	Introduction to Autonomous Vehicles	7
2	Fundamentals of Autonomous Systems	7
3	Levels of Automation and Vehicle Autonomy	7
4	Implications of Autonomous, Vehicles Legal, Ethical, and Regulatory Considerations	7
5	Practical Applications and Case Studies, . Hands-on Labs and Projects Future Directions and Emerging Technologies	7

References

- Stuart Melville and Wayne Goddard, "Autonomous Vehicles: an introduction for science & engineering students"
- Wayne Goddard and Stuart Melville, "Autonomous Vehicles: An Introduction"
- Ranjit Kumar, 2 nd Edition , "Autonomous Vehicles: A Step by Step Guide for beginners"
- Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd ,2007.
- Mayall , "Industrial Design", McGraw Hill, 1992.
- Niebel , "Product Design", McGraw Hill, 1974.
- Asimov , "Introduction to Design", Prentice Hall, 1962
- Robert P. Merges, Peter S. Menell, Mark A. Lemley, " Intellectual Property in New Technological Age", 2016.
- T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008



Vijay N.
Principal
Ideal Institute of Technology
At Post-Pusheri, Taluka-Wada,
District-Palghar, Maharashtra 421303

3. Q Sheet

S. No	Activity	Duration	Date	Time
1.	Historical perspective Key terminology and definitions Evolution of autonomous driving technologies	4 Hour	Sep 24, 2018	09:00 AM to 01:00PM
2.	Sensors and perception algorithms Localization and mapping techniques Decision-making and path planning algorithms	3 Hour	Sep 24, 2018	02:00AM to 05:00 PM
3	Understanding SAE levels of automation Case studies of semi-autonomous and fully autonomous vehicles Human-machine interface design considerations	4 Hour	Sep 25, 2018	09:00 AM to 01:00 PM
4	Urban mobility and congestion management Economic impacts on transportation industries	3 Hour	Sep 25, 2018	02:00AM to 05:00 PM
5	Environmental sustainability and energy efficiency Liability and insurance frameworks	4 Hour	Sep 26, 2018	09:00 AM to 01:00PM
6	Privacy and data protection concerns International standards and agreements	3 Hour	Sep 26, 2018	02:00PM to 05:00 PM
7	Autonomous vehicle simulations and virtual environments Real-world deployment challenges and case studies	4 Hour	Sep 27, 2018	09:00 AM to 01:00PM
8	Business models and market trends in autonomous mobility Programming exercises using simulation platforms (e.g., ROS, Carla)	3 Hour	Sep 27, 2018	02:00PM to 05:00 PM
9	Algorithm development for perception, planning, and control Project-based assignments focusing on autonomous vehicle development and testing	4 Hour	Sep 28, 2018	09:00 AM to 01:00PM

Report of Add on Course from
September 24th, 2018 to September 29th, 2018

Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)

10	Advanced sensor technologies (e.g., LiDAR, RADAR, cameras) Artificial intelligence and machine learning in autonomous systems Integration with smart infrastructure and connected vehicle networks	3 Hour	Sep 28, 2018	02:00PM to 05:00 PM
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4. Enrolled Students List

S. No.	Name	Enrollment No. / PRN No.
1	DAVE GAURAV PRAVIN	2018016402536146
2	HAZARE JAY PURUSHOTTAM	2017016402439154
3	KANOJIYA NIKUNJ DINESH	2017016402618914
4	KINI PRASHANT RAMESH	2018016402536227
5	MACHHI JIGNESH RAMESH	2018016402536316
6	NAIR VIJAY RAMKRISHNA	2018016402536212
7	SAMBARE JANHAVI SANJAY	2018016402536274
8	SHINDE PRADNYA PANDHARI	2018016402536765
9	SUVARANA AKSHAY MOHANDAR	2018016402536653
10	VARTAK SWARUP NARESH	2018016402536726
11	VIKAM NIDHI NITIN	2018016402536711
12	YADAV SUNIL KASHI	2017016402618906
13	BHANUSHALI DIMPLE HARESHKUMAR	2017016402618984
14	DHAMANE PRANALI MANGESH	2016016401312797
15	DHOTRE ROHAN TATESH	2017016402619732
16	KHAN ARBAZ NIZAM	2017016402618961
17	MHATRE SHUBHAM SUNIL	2016016401313441
18	MAHTO VICKY BHARAT	2017016402619747
19	PANDEY SHUBHAM BHULESHWARNATH	2017016402619724
20	PATIL DEEPESH BHAGWAN	2017016402619094
21	PATIL KARISHMA SUBHASH	2017016402619063
22	PATIL SAKSHI RAJENDRA	2016016401312766
23	PATIL VAIBHAV NARENDRA NEELAM	2017016402619105
24	SAMBARE AARATI GIRISH	2017016402648004
25	SAVLE AISHWARYA PRAMOD	2017016402618992
26	SINGH PRIYA ARVINDKUMAR	2017016402619001
27	SUDHAN ATHUL	2017016402618953
28	TRIPATHI SHIVAM HARINARAYAN	2017016402618976



Vikam N
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District-Palghar, Maharashtra - 421303

5. Attendance sheets of Enrolled students

IDEAL INSTITUTE OF ENGINEERING, MAHARASHTRA							
Department of Mechanical Engineering							
Final year Value added course on RM (Autonomous Vehicles)							
S. No	Name	Attendance					
		1	2	3	4	5	6
1	DAVE GAURAV PRAVIN	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
2	HAZARE JAY PURUSHOTTAM	Jay	Jay	Jay	Jay	Jay	Jay
3	KANOJIYA NIKUNJ DINESH	Nikunj	Nikunj	Nikunj	Nikunj	Nikunj	Nikunj
4	KINI PRASHANT RAMESH	Kprashant	Kprashant	Kprashant	Kprashant	Kprashant	Kprashant
5	MACHHI JIGNESH RAMESH	Jignesh	Jignesh	Jignesh	Jignesh	Jignesh	Jignesh
6	NAIR VIJAY RAMKRISHNA	N	N	N	N	N	N
7	SAMBARE JANHAVI SANJAY	Janvi	Janvi	Janvi	Janvi	Janvi	Janvi
8	SHINDE PRADNYA PANDHARI	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde	Pshinde
9	SUVARANA AKSHAY MOHANDAR	S	S	S	S	S	S
10	VARTAK SWARUP NARESH	Swarup	—	Swarup	—	—	—
11	VIKAM NIDHI NITIN	Vkam	Vkam	Vkam	Vkam	Vkam	Vkam
12	YADAV SUNIL KASHI	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
13	BHANUSHALI DIMPLE HARESHKUMAR	Dbhanushali	Dbhanushali	Dbhanushali	Dbhanushali	Dbhanushali	Dbhanushali
14	DHAMANE PRANALI MANGESH	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali
15	DHOTRE ROHAN TATESH	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan
16	KHAN ARBAZ NIZAM	Akhan	Akhan	Akhan	Akhan	Akhan	Akhan
17	MHATRE SHUBHAM SUNIL	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
18	MAHTO VICKY BHARAT	V	V	V	V	V	V
19	PANDEY SHUBHAM BHULESHWARNAATH	Spande	Spande	Spande	Spande	Spande	Spande
20	PATIL DEEPESH BHAGWAN	D.B. Patil	D.B. Patil	D.B. Patil	—	—	—
21	PATIL KARISHMA SUBHASH	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma
22	PATIL SAKSHI RAJENDRA	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
23	PATIL VAIBHAV NARENDRA NEELAM	V. Patil	V. Patil	V. Patil	V. Patil	V. Patil	V. Patil
24	SAMBARE AARATI GIRISH	Aarati	Aarati	Aarati	Aarati	Aarati	Aarati

Report of Add on Course from
September 24th, 2018 to September 29th, 2018

Autonomous Vehicles
(VAC-DEP-ENGG-ME-AV)

25	SAVLE AISHWARYA PRAMOD	<i>Pr</i>	<i>A</i>	<i>A</i>	<i>Pr</i>	<i>Pr</i>	<i>A</i>
26	SINGH PRIYA ARVINDKUMAR	<i>Priya</i>	<i>Priya</i>	<i>Priya</i>	<i>Priya</i>	<i>Priya</i>	<i>Priya</i>
27	SUDHAN ATHUL	<i>atul</i>	<i>atul</i>	<i>atul</i>	<i>atul</i>	<i>atul</i>	<i>atul</i>
28	TRIPATHI SHIVAM HARINARAYAN	<i>Stripathi</i>	<i>Stripathi</i>	<i>Stripathi</i>	<i>Stripathi</i>	<i>Stripathi</i>	<i>Stripathi</i>



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Report of Value added Course from
September 24th, 2018 to September 29th, 2018

6. Marks of Eligible Candidate

S. N.	Name	Q1(10)	Q2(10)	Q3 (10)	Total (30)
1	DAVE GAURAV PRAVIN	8	9	8	25
2	HAZARE JAY PURUSHOTTAM	7	10	8	25
3	KANOJIYA NIKUNJ DINESH	8	8	8	24
4	KINI PRASHANT RAMESH	9	9	8	26
5	MACHHI JIGNESH RAMESH	7	8	5	20
6	NAIR VIJAY RAMKRISHNA	8	7	7	22
7	SAMBARE JANHAVI SANJAY	9	5	8	22
8	SHINDE PRADNYA PANDHARI	8	8	9	25
9	SUVARANA AKSHAY MOHANDAR	5	9	8	22
10	VIKAM NIDHI NITIN	4	8	5	17
11	YADAV SUNIL KASHI	7	7	5	19
12	BHANUSHALI DIMPLE HARESHKUMAR	8	5	2	15
13	DHAMANE PRANALI MANGESH	6	2	4	12
14	DHOTRE ROHAN TATESH	5	2	7	14
15	KHAN ARBAZ NIZAM	8	5	8	21
16	MHATRE SHUBHAM SUNIL	7	8	5	20
17	MAHTO VICKY BHARAT	5	7	8	20
18	PANDEY SHUBHAM BHULESHWARNATH	6	9	9	24
19	PATIL KARISHMA SUBHASH	4	5	9	18
20	PATIL SAKSHI RAJENDRA	1	8	9	18
21	PATIL VAIBHAV NARENDRA NEELAM	7	7	9	23
22	SAMBARE AARATI GIRISH	5	9	10	24
23	SINGH PRIYA ARVINDKUMAR	4	8	5	17
24	SUDHAN ATHUL	7	7	5	19
25	TRIPATHI SHIVAM HARINARAYAN	8	5	2	15



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7. Sample Certificate

 **IDEAL INSTITUTE OF TECHNOLOGY**
Posheri, Taluka - Wada, Dist. - Thane, Maharashtra. Tel.: 02526-212144 | www.idealwada.com

CERTIFICATE

This is to Certify that Mr. / Miss
_____ has
of Class _____
Participated actively in _____ held on _____
He / She secured _____ Position.

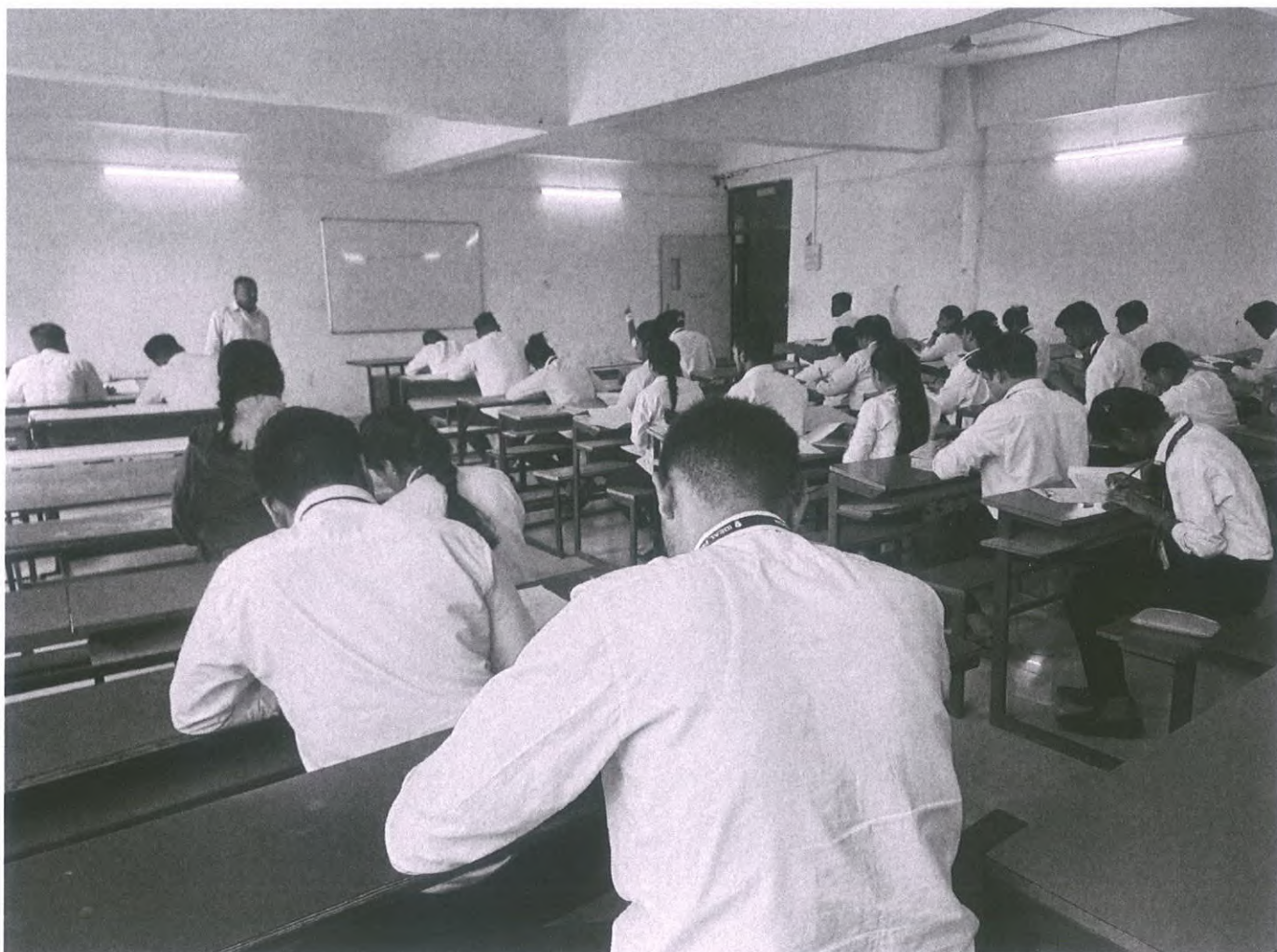
DATE _____

 **SECRETARY**

PRINCIPAL
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8. Course Session Photo



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9. Feedback Analysis:

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	31	5	4	0	0
The course content was:	33	3	3	2	0
The instructor's contribution to the course was:	30	4	3	2	1
The instructor's effectiveness in teaching the subject matter was:	34	4	2	0	0
Course Organization was:	30	5	3	2	0
Explanations by instructor were:	32	6	2	0	0
Instructor's use of examples and illustrations was:	33	3	2	1	1
Student's confidence in instructor's knowledge was:	34	2	4	0	0
Answers to student questions were:	31	5	3	1	0
Availability of extra help when needed was:	33	2	3	1	1
Instructor's interest in student's progress was:	34	3	2	1	0
Relevance of course content was:	33	5	1	1	0
Please give overall rating of the course	32	4	3	1	0

Please comment on the strength of the course and the way it was conducted.

Please comment on the weakness of the course and the way it was conducted.

Please give suggestions for the improvement of the course.



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Optional – Your name and contact address.

**Report of Add on Course from
February 26th, 2024 to March 1st, 2024**

Autonomous Vehicles

Sr.no.	Attributes	Total Feed Back					
		>80% Objective Achieved, 60 to 79%. Satisfactory, Below 60%, Need improvement					
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	10.0%	7.5%	5.0%	2.5%	Objective Achieved - Excellent & Very Good (85%)
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	10.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		75.0%	12.5%	7.5%	5.0%	0.0%	Objective Achieved - Excellent & Very Good (87.5%)
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	15.0%	5.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (95%)
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	7.5%	5.0%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (90%)
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	5.0%	10.0%	0.0%	0.0%	Objective Achieved - Excellent & Very Good (90%)
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		77.5%	12.5%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	5.0%	7.5%	2.5%	2.5%	Objective Achieved - Excellent & Very Good (87.5%)
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		85.0%	7.5%	5.0%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (92.5%)
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		82.5%	12.5%	2.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (95%)
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		80.0%	10.0%	7.5%	2.5%	0.0%	Objective Achieved - Excellent & Very Good (90%)

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.

IDEAL College of Engineering, Maharashtra

Department of Mechanical Engineering

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A REPORT

on

An Add-on Course

on

“Intellectual Property Rights and Patent”

(AOC-DEP-ME-IPRP)

From

4th February -9th February 2019



Organized By:



**Department of Mechanical
Ideal Institute of Technology, Wada**

Vijay N. N.
Principal
Ideal Institute of Technology
At Post-Poston, Taluka-Wada,
District-Palghar, Maharashtra 421303

CONTENTS

S. No.	Chapter
1	Add on Course Brochure
2	About the Course
3	Q Sheet
4	Enrolled Students List
5	Attendance sheets of enrolled students
6	Certificates of eligible students
7	Student feedback for course
8	Course Session Photos



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1. ADD-ON COURSE BROCHURE

IDEAL INSTITUTE OF TECHNOLOGY, WADA

About the college



Established in 2013, Ideal Institute of Technology, Wada is a premier Institute located in Maharashtra. Institute offers Degree courses including 5 UG course. These programs are offered in Full Time mode. Ideal Institute of Technology, Wada is a premier institute for B. Tech courses. Candidate can pursue B. Tech, with the stream of Engineering. Over the period, Ideal Institute of Technology, Wada has gained expertise through its trained and experienced faculty in the fields of Computer Science Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Electrical Engineering. Courses offered by institute are recognized by approving bodies like AICTE.

About the course

The Value-Added Course on Intellectual Property Rights (IPR) is designed to provide students with a comprehensive understanding of intellectual property laws, regulations, and best practices. Through interactive lectures, case studies, and practical exercises, students explore various aspects of IPR, including patents, trademarks, copyrights, and trade secrets. The course covers topics such as the importance of protecting intellectual property, the process of obtaining patents and trademarks, strategies for managing and enforcing intellectual property rights, and the implications of intellectual property infringement. Students also learn about the role of intellectual property in fostering innovation, entrepreneurship, and economic development.



Guest lectures by industry experts and legal professionals provide real-world insights into the practical application of IPR principles in different sectors. By the end of the course, students develop a deeper appreciation for the value of intellectual property and its significance in the modern global economy.

Schedule

4th-9th February, 2019

Last date for registration 2nd February, 2019

Eligibility

Applicants should be of 4th year Electrical Engineering

Course Fee

This course is totally free for institute students

Contact Us

http://idealwada.com/about_mech.php

For course Registration and query:

For any query contact to HOD

Vivek Nam
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Ideal Institute of Technology, Wada
Department of Mechanical Engineering

Notice

Date: 28/01/2019

It is notified for all the students of 4th year electrical engineering that the Department is going to organize Add-on Course on (AOC-DEP-ME-IPR) “Intellectual Property rights”, for final for their benefits in the near future. The duration of the course will be of 30 contact hours which will be covered from 4th -9th February 2019.

Interested bonafide students are advised to register themselves. **The last date of registration is 02-02-2019.** If any Query regarding add on course contact to head of department.

Note:

The course is free of cost.

Minimum 70% attendance is mandatory.

The successful candidates will be issued certificates by the college.



HOD




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2. ABOUT THE COURSE

Course Name: Intellectual Property Rights (AOC-DEP-MECH-IPRP)

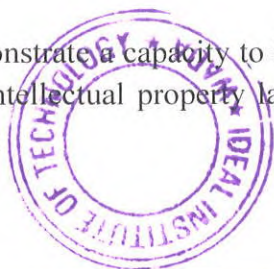
Course Summary: Intellectual property is the currency of the tech world. The engineering patent for Lipitor generated over \$100 billion in revenue, the copyright for the Harry Potter franchise has generated over \$25 billion to date, and the trademarked brands of the world's largest tech companies now eclipse \$100 billion in value. But what makes these intangible assets so valuable. Through the courses in this specialization, you will learn the differences between the various forms of U.S. intellectual property rights, including patents, copyrights, and trademarks, and their various applications to human innovations. Drawing from that knowledge, you will then work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. After completing these hands-on projects, you will have the necessary framework to craft integrated intellectual property strategies tailored to an organization's core business goals.

Enrollment Criteria:

1. Participants must be interested and engineering student
2. Must provide the NOC if from other department.

Course Outcomes:

- a. Identify different types of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways to create and to extract value from IP.
- b. Recognize the crucial role of IP in organizations of different industrial sectors for the purposes of product and technology development.
- c. Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the precautions steps to be taken to prevent infringement of proprietary rights in products and technology development.
- d. Be familiar with the processes of Intellectual Property Management (IPM) and various approaches for IPM and conducting IP and IPM auditing and explain how IP can be managed as a strategic resource and suggest IPM strategy.
- e. Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.
- f. Be able to demonstrate a capacity to identify, apply and assess ownership rights and marketing protection under intellectual property law as applicable to information, ideas, new products and product marketing;



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Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3		3		3		3			3				3
CO2	3		3	3		3		3		3	3		3		
CO3	3		3							3			3		3
CO4	3		3							3			3		
CO5															
Target	3	3	3	3		3		3		3	3		3		3

Certification Criteria: Minimum 50% marks in Certification Exam and 70% attendance

Course Prerequisite:

- Understanding, defining and differentiating different types of intellectual properties (IPs) and their roles in contributing to organizational competitiveness.
- Understanding the Framework of Strategic Management of Intellectual Property (IP).
- Appreciating and appraising different IP management (IPM) approaches and describing how pioneering firms initiate, implement and manage IPM programs,
- Explaining how to derive value from IP and leverage its value in new product and service development
- Exposing to the Legal management of IP and understanding of real life practice of IPM.

Course Duration: 30 Hours

Course Outline:



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Module	Contents	Hours
1	Introduction	7
2	Copyrights	7
3	Patents	7
4	Trademarks	7

5	Design Method and Other form of IP	7
---	------------------------------------	---

BOOK REFERENCES

1. Intellectual Property Law" by Lionel Bently and Brad Sherman
2. Understanding Intellectual Property Law" by Donald S. Chisum and Tyler T. Ochoa
3. Principles of Intellectual Property" by Rochelle C. Dreyfuss and Jane C. Ginsburg
4. Intellectual Property: A Very Short Introduction" by Siva Vaidhyanathan
5. Patent Law and Policy: Cases and Materials" by Robert Patrick Merges, John Fitzgerald Duffy, and Mark D. Janis.
6. Copyright Law: A Practitioner's Guide" by Lloyd J. Jassin and Steven C. Schechter
7. Trademark Law: A Practitioner's Guide" by Siegrun D. Kane



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3. Q SHEET

S. No	Activity	Duration	Date	Time
1.	Basic concept of Intellectual Proper Nature of Intellectual Property right	3 Hour	Feb 4, 2019	10:00 AM to 01:00 PM
2.	Justifications for protection of Subject matter. Original literary	3 Hour	Feb 4, 2019	02:00AM to 05:00 PM
3	Dramatic, musical, artistic work films, Sound, recordings	3 Hour	Feb 5, 2019	10:00 AM to 01:00 PM
4	Term of copyright, Rights of owner Patent Act 1970-amendmentsof 1999,2000,2002 and 2005	3 Hour	Feb 5, 2019	02:00AM to 05:00 PM
5	Patentable subject matter Process and patent protection	3 Hour	Feb 6, 2019	10:00 AM to 01:00 PM
6	Patenting	3 Hour	Feb 6, 2019	02:00PM to 05:00 PM
7	Introduction to Trademark Need for, Protection	3 Hour	Feb 7, 2019	10:00 AM to 01:00 PM
8	Registration of trademark	3 Hour	Feb 7, 2019	02:00PM to 05:00 PM
9	Meaning design protection	3 Hour	Feb 8, 2019	10:00 AM to 01:00 PM
10	Concept of original design Trade-secret: Meaning. Criteria or Protection	3 Hour	Feb 9, 2019	10:00AM to 01:00 PM



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4. ENROLLED STUDENTS LIST

S. No.	PRN	Name of Student	Branch	Year
1	2016016401313762	Adhikari Kunal Kamalakar Kamini	EE	IV
2	2015016402419975	Agre Vaibhav Santosh Sunita	EE	IV
3	2016016401313425	Ambekar Somnath Maruti	EE	IV
4	2015016402420723	Bhoir Devendra Sadanand	EE	IV
5	2015016402420294	Birwadkar Ibrahim Abdul Razzaque	EE	IV
6	2016016401313383	Chaudhari Prajyot Kishor Kamana	EE	IV
7	2014016402389717	Gavale Vipul Ravindra Sulabha	EE	IV
8	2015016402419987	Harad Chetan Bhagwan	EE	IV
9	2016016401312824	Jadhav Sasmit Gajanan Geeta)	EE	IV
10	2016016401312863	Kasar Himanshu Kiran Rekha	EE	IV
11	2014016402537257	Keni Kalpesh Hira Vasanti	EE	IV
12	2015016402420112	Kulkarni Mahesh Shivanand Smita	EE	IV
13	2015016402419607	Narvekar Viraj Manohar Madhavi	EE	IV
14	2014016402537501	Padwal Prathmesh Harichndra Pramila	EE	IV
15	2017016401313435	Parte Sachin Chandrakant Archana	EE	IV
16	2015016402419863	Patil Adesh Suresh Sunita	EE	IV
17	2016016401313955	Patil Akshay Prakash Pratibha	EE	IV
18	2015016402419782	Patil Kedar Chintaman Kasturi	EE	IV
19	2015016402419406	Patil Rohit Suresh Suvarna	EE	IV
20	2016016401313433	Patil Sangita Chandrakant Meena	EE	IV
21	2016016401313417	Patil Sujan Pramod Nayana	EE	IV
22	2016016401960463	Prasad Akash Chandramohan Meena	EE	IV
23	2015016402419855	Sandbhor Vinit Balasaheb Priyanka	EE	IV
24	2016016401312693	Shelavale Pranit Ashok Anita	EE	IV
25	2015016402419704	Tare Pritam Bandhu Laxmi	EE	IV



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5. ATTENDANCE SHEETS OF ENROLLED STUDENTS

S. No.	PRN	Name of Student	1	2	3	4	5	6	7	8	9	10
1	2016016401313762	Adhikari Kunal Kamalakar	P	P	A	P	P	P	P	P	P	P
2	2015016402419975	Agre Vaibhav Santosh Sunita	P	P	P	A	P	P	P	P	P	P
3	2016016401313425	Ambekar Somnath Maruti	A	A	A	A	A	A	A	A	A	A
4	2015016402420723	Bhoir Devendra Sadanand	P	P	P	P	P	A	P	P	P	P
5	2015016402420294	Birwadkar Ibrahim Abdul	P	P	P	P	P	P	P	P	P	P
6	2016016401313383	Chaudhari Prajyot Kishor	P	A	P	P	P	P	P	P	P	P
7	2014016402389717	Gavale Vipul Ravindra Sulabha	P	P	P	P	P	P	P	P	P	P
8	2015016402419987	Harad Chetan Bhagwan	P	P	P	P	P	A	P	P	P	P
9	2016016401312824	Jadhav Sasmit Gajanan Geeta)	P	P	P	P	A	A	A	A	A	P
10	2016016401312863	Kasar Himanshu Kiran Rekha	P	A	P	P	P	P	P	P	P	P
11	2014016402537257	Keni Kalpesh Hira Vasanti	P	P	P	P	P	P	P	P	P	P
12	2015016402420112	Kulkarni Mahesh Shivanand	P	P	P	P	A	A	P	P	P	P
13	2015016402419607	Narvekar Viraj Manohar	P	P	P	P	P	P	P	P	P	P
14	2014016402537501	Padwal Prathmesh Harichndra	P	P	P	P	P	P	P	P	A	P
15	2017016401313435	Parte Sachin Chandrakant	P	P	P	P	P	A	P	P	P	P
16	2015016402419863	Patil Adesh Suresh Sunita	P	P	P	P	P	P	P	P	P	P
17	2016016401313955	Patil Akshay Prakash Pratibha	P	A	P	P	P	P	P	P	P	P
18	2015016402419782	Patil Kedar Chintaman Kasturi	P	P	P	P	P	P	P	P	P	P
19	2015016402419406	Patil Rohit Suresh Suvarna	P	P	P	P	P	P	P	P	P	P
20	2016016401313433	Patil Sangita Chandrakant	P	P	P	P	P	A	P	P	P	P
21	2016016401313417	Patil Sujan Pramod Nayana	A	A	A	A	A	A	A	A	A	A
22	2016016401960463	Prasad Akash Chandramohan	P	P	P	P	P	P	P	A	P	P
23	2015016402419855	Sandbhor Vinit Balasaheb	P	P	P	P	P	P	P	P	P	P
24	2016016401312693	Shelavale Pranit Ashok Anita	P	P	P	P	P	P	P	P	A	P
25	2015016402419704	Tare Pritam Bandhu Laxmi	P	P	P	P	P	P	P	A	P	P



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6. CERTIFICATES OF ELIGIBLE STUDENTS

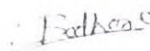
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE, MAHARASTRA

CERTIFICATE

It is certify that Miss. Adhikari Kunal Kamalakar Kamini ID: 2016016401313762 Semester VIIIth Sem Branch Electrical Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 4th February -9th February 2019.



HOD



Coordinator




Principal
Ideal Institute of Technology
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District-Palghar, Maharashtra 421303

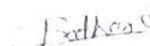
IDEAL INSTITUTE OF TECHNOLOGY, WADA, THANE, MAHARASTRA

CERTIFICATE

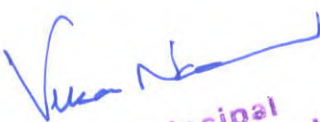
It is certify that Mr. Agre Vaibhav Santosh Sunita ID: 2015016402419975 Semester VIIIth Sem Branch Electrical Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 4th February -9th February 2019.



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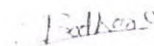
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CERTIFICATE

It is certify that Mr. Chaudhari Prajyot Kishor ID: 2016016401313383 Semester VIIIth Sem Branch Electrical Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 4th February -9th February 2019.



HOD



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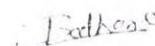
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CERTIFICATE

It is certify that Mr. Bhoir Devendra Sadanand ID: 2015016402420723 Semester VIIIth Sem Branch Electrical Engineering successfully completed an Add-on Course on Intellectual Property Rights and Patents Organised by Mechanical Engineering Department from 4th February -9th February 2019.



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7. FEED BACK ANALYSIS

Feed Back Questions	Excellent (5)	Very Good (4)	Good (3)	Poor (2)	Very Poor (1)
The course as a whole was:	17	2	2	1	0
The course content was:	15	4	2	1	0
The instructor's contribution to the course was:	16	4	2	0	0
The instructor's effectiveness in teaching the subject matter was:	17	3	2	1	0
Course Organization was:	17	3	1	1	0
Explanations by instructor were:	17	3	2	0	0
Instructor's use of examples and illustrations was:	17	3	1	0	0
Student's confidence in instructor's knowledge was:	18	2	2	0	0
Answers to student questions were:	17	3	1	1	0
Availability of extra help when needed was:	17	3	2	0	0
Instructor's interest in student's progress was:	17	2	1		2
Relevance of course content was:	17	3	2	0	0
Please give overall rating of the course	17	3	1	1	0



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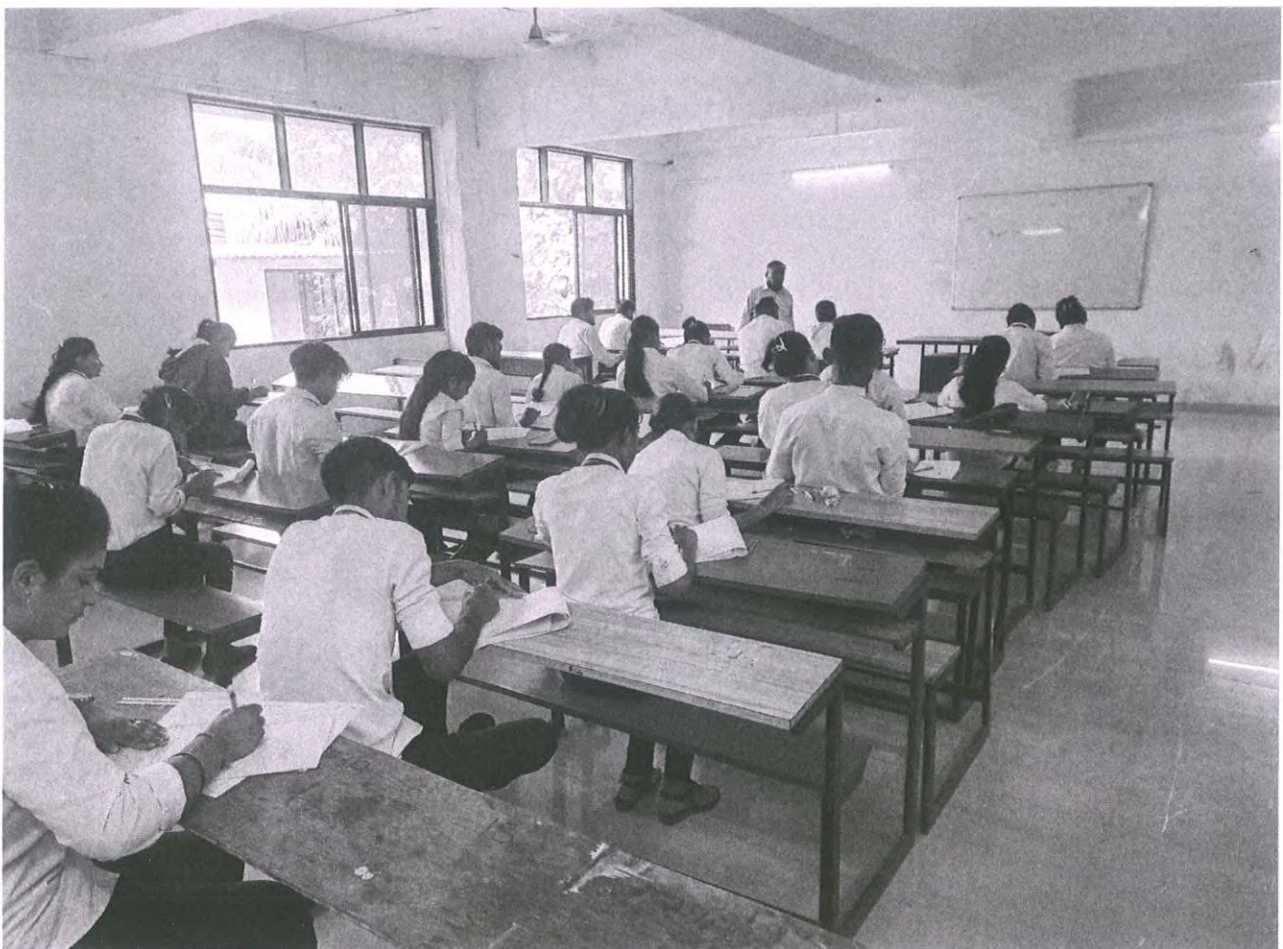
Sr.no.	Attributes		Total Feed Back				
			>80% Objective Achieved. 60 to 79%. Satisfactory. Below 60%. Need improvement				
1	The course as a whole was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		82.5%	10.0%	5.0%	2.5%	0.0%	
2	The course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	3	2	2	1	Objective Achieved - Excellent & Very Good (87.5%)
		80.0%	7.5%	5.0%	5.0%	2.5%	
3	The instructor's contribution to the course was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	5	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	12.5%	5.0%	2.5%	0.0%	
4	The instructor's effectiveness in teaching the subject matter was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	1	1	0	Objective Achieved - Excellent & Very Good (95.0%)
		85.0%	10.0%	2.5%	2.5%	0.0%	
5	Course Organization was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		35	4	1	0	0	Objective Achieved - Excellent & Very Good (97.5%)
		87.5%	10.0%	2.5%	0.0%	0.0%	
6	Explanations by instructor were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		35	3	1	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		87.5%	7.5%	2.5%	2.5%	0.0%	
7	Instructor's use of examples and illustration was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		33	4	1	1	1	Objective Achieved - Excellent & Very Good (95.0%)
		82.5%	10.0%	2.5%	2.5%	2.5%	
8	Student's confidence in instructor's knowledge was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		32	3	3	2	0	Objective Achieved - Excellent & Very Good (92.5%)
		80.0%	7.5%	7.5%	5.0%	0.0%	
9	Answers to student questions were:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	4	2	0	0	Objective Achieved - Excellent & Very Good (87.5%)
		85.0%	10.0%	5.0%	0.0%	0.0%	
10	Availability of extra help when needed was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	3	3	2	1	Objective Achieved - Excellent & Very Good (95.0%)
		77.5%	7.5%	7.5%	5.0%	2.5%	
11	Instructor's interest in student's progress was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		35	3	1	1	0	Objective Achieved - Excellent & Very Good (85.0%)
		87.5%	7.5%	2.5%	2.5%	0.0%	
12	Relevance of course content was:	Excellent	Very Good	Good	Poor	Very Poor	Remark
		31	4	3	2	0	Objective Achieved - Excellent & Very Good (87.5%)
		77.5%	10.0%	7.5%	5.0%	0.0%	
13	Please give overall rating of the course	Excellent	Very Good	Good	Poor	Very Poor	Remark
		34	3	2	1	0	Objective Achieved - Excellent & Very Good (92.5%)
		85.0%	7.5%	5.0%	2.5%	0.0%	

Overall Remark:- As per the feedback, study should be done by Projector & Exam to be taken online. Overall objective of the course has been achieved by the feedback given by the participants.



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8. PHOTO



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