



# Dr. NGP INSTITUTE OF TECHNOLOGY COIMBATORE-641048

Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi, Accredited by NAAC A+ and NBA  
(BME, CSE, ECE, EEE & MECH)

Chief Patrons: Dr. Nalla G Palaniswami, Chairman,  
Dr. Thavamani D Palaniswami, Secretary, Dr. N.G.P. IT

## DEPARTMENT OF MECHANICAL ENGINEERING



### *The Mechanical Engineering Book 2021 -2022*

*This issue covers*

*News from Technical Associations*

*Notable Events*

*Faculty Achievements*

*Students Participation*

#### Editorial Board Chief Editors:

Dr.S.U.Prabha, Principal  
Dr.S.Nandhakumar-HOD(i/c)/Mech

#### ● Editors:

- Mr.A.G.Karthikeyan(AP/Mech)

#### Student Coordinator

1. Mr. K. Koushik raj/IV Mech
2. Mr.B.Gokulkrishnan/III Mech
3. Mr.B.R.Kannan/II Mech



***News Letter: Volume 10 Issue 1 (DEC 2021)***

## **ABOUT THE DEPARTMENT**

The Department of Mechanical Engineering possesses good infrastructural facilities, 12-equipped laboratories, 23 highly qualified and dedicated teaching faculties, 09 experienced Lab technicians and the atmosphere conducive for research activities. Out of 23 teaching faculties 08 of them have completed their Ph.D. and 13 faculties are pursuing their Ph.D. Mechanical Engineering includes design, development, manufacture, management, and control of engineering systems, subsystems and their components. Typically, manufacturing, power, aerospace, automotive, materials, and processing industries employ Mechanical Engineers. As a result of the recent rapid expansion of technology, Mechanical Engineers also have become increasingly involved in computer aided design and visualization; robotics; bioengineering; environmental engineering; solar, wind, ocean energy sources and space exploration.

## **VISION OF THE DEPARTMENT**

To produce qualified, self-driven Mechanical Engineers with moral values

## **MISSION OF THE DEPARTMENT**

### **The Stated Vision will be achieved by**

- MD1:** Enriching technical knowledge through value added courses, interaction with professional societies and research activities.
- MD2:** Imparting quality education by competent faculty through learning tools.
- MD3:** Providing industry connect opportunities for the students to enhance their talents, innovative ideas and entrepreneurial skills.
- MD4:** Developing technical expertise with latest technologies through state-of-the-art laboratories.
- MD5:** Encouraging the students to meet the challenges of industry and society with moral values.

## **Program Educational Objectives (PEOs)**

### **The Graduates of Mechanical Engineering Programme will**

**PEO1:** Apply technical knowledge and skills in their career to find effective solutions for the problems in Mechanical Engineering and other related disciplines.

**PEO2:** Contribute in technological advancements through continual learning in the field of Mechanical Engineering.

**PEO3:** Exhibit leadership qualities with moral and ethical values for the socio technological development.

## **Program Specific Outcomes (PSOs)**

**PSO1:** Apply modern tools for product design and development.

**PSO2:** Analyse complex Engineering problems in the areas of Thermal, Design and Manufacturing Engineering.

**PSO3:** Practice moral and ethical values in engineering career to adapt techno-environmental changes.

**FACULTY LIST**

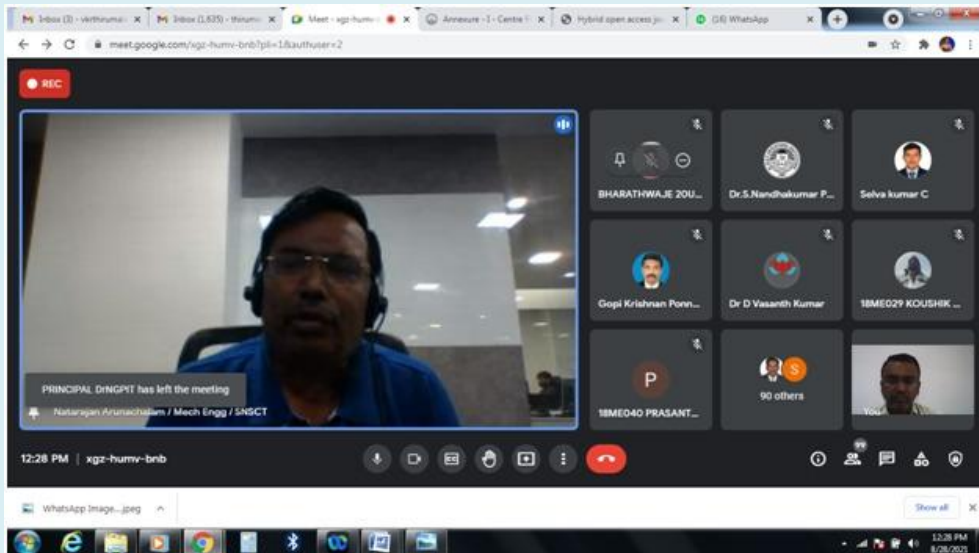
**TEACHING STAFF**

**NON- TEACHING STAFF**

S. No.	NAME	DESIGNATION	S. No	NAME	DESIGNATION
1	Dr.S.Nandhakumar	Professor & Head (i/c)	1	Mr.S.Jayakumar	Lab.Technician
2	Dr.K.Kalaiselvan	Professor	2	Mr.R.MeenachiSundaram	Lab.Technician
3	Dr.R.Thirumalai	Professor	3	Mr.S.Kuppuraj	Lab.Technician
4	Dr.P.Sivaprakash	Professor	4	Mr.S.Thangavelu	Lab.Technician
5	Dr.V.Sivaraman	Associate Professor	5	Mr.P.Shanmugaprabhu	Lab.Technician
6	Dr.M.Nallusamy	Assistant Professor	6	Mr.S.Gurusamy	Lab.Technician
7	Dr.B.Shreeram	Assistant Professor	7	Mr.A.Vijayakumar	Lab.Technician
8	Dr.P.Gopi Krishnan	Assistant Professor	8	Mr. Santhosh	Lab.Technician
9	Dr.D.Vasanthkumar	Assistant Professor			
10	Mr.A.Jaganathan	Assistant Professor			
11	Mr.N.Manikandan	Assistant Professor			
12	Mr.R.Vijayakumar	Assistant Professor			
13	Mr.M.Mani	Assistant Professor			
14	Mr.V.P.Pradeep	Assistant Professor			
15	Mr.P.Ashokkumar	Assistant Professor			
16	Mr.A.G.Karthikeyan	Assistant Professor			
17	Mr.K.Kiran	Assistant Professor			
18	Mr.S.Rajkumar	Assistant Professor			
19	Mr.M.Suriyaprakash	Assistant Professor			
20	Mr.C.Selvakumar	Assistant Professor			
21	Mr.R.Karthikeyan	Assistant Professor			
22	Mr.S.DharagaVineeth	Assistant Professor			
23	Mr.P.Janarthanan	Assistant Professor			

## ASSOCIATION PROGRAMME

Department of Mechanical Engineering, Dr. N.G.P. Institute of Technology in association with MECHLADOZ has organized the department association event as Inauguration of Mechanical Engineering Association- MECHLADOZ on 28.08.2021. Mr.A.Natarajan, Head – Materials Samudra Pumps Avinashi Road, Coimbatore -641018 invites as a chief guest. He delivers that enabling the participants to understand the thrust research areas in mechanical and allied engineering domains, research methodology and IPR by conducting several activities through Mechanical Engineering Association.



### **✚ ONE-DAY ONLINE GUEST LECTURE ON “MACHINE DYNAMICS”**

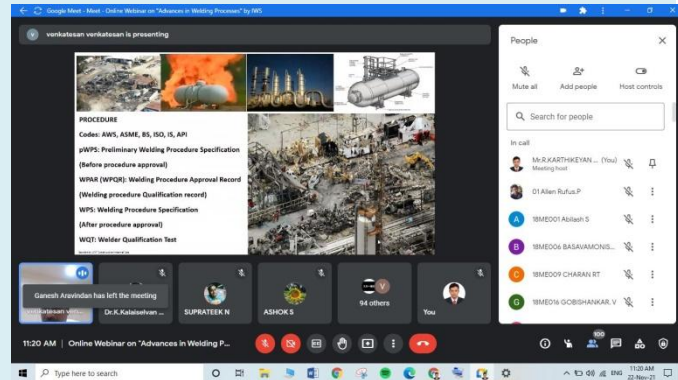
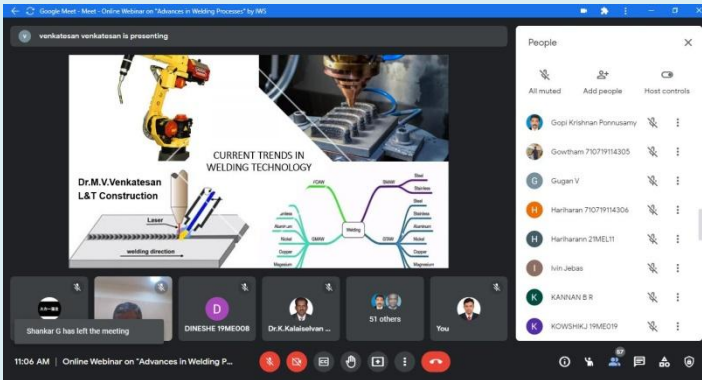
On behalf of Society of Automotive Engineers (SAEINDIA), this event is organized by Dr.D.Vasanthakumar, AP/Mech & Dr.P.Gopi Krishnan, AP/Mech. The program is presided by Dr. Nalla G. Palaniswami, Chairman and Dr.Thavamani D. Palaniswami, Secretary, felicitated by Dr.O.T.Bhuvaneshwaran, Chief Executive Officer, KMCRET and Dr.S.U.Prabha, Principal. Dr.S.NandhaKumar, Professor & Head (i/c), Department of Mechanical Engineering, welcome the gathering. The FDP was conducted in virtual mode to the II & III year students of Mechanical Engineering (100 in number). Dr.Ragavanantham Shanmugam, Assistant Professor, School of Engineering, Mathematics and Technology, Program Advisor for Advanced Manufacturing Engineering Technology, is the chief guest for this program. The session gives deep insight on the basics of dynamic principles in the practical applications. The lecture is well received by the participants in terms of the contents.



### **✚ ONE-DAY ONLINE WEBINAR ON “ADVANCES IN WELDING PROCESSES”**

On behalf of Society of Welding, this event is organized by Dr.K.Kalaiselvan, Professor/Mech & Mr.R.Karthikeyan, AP/Mech. The program is presided by Dr. Nalla G. Palaniswami, Chairman and Dr.Thavamani D. Palaniswami, Secretary, felicitated by Dr.O.T.Bhuvaneshwaran, Chief Executive Officer, KMCRET and Dr.S.U.Prabha, Principal. Dr.S.NandhaKumar, Professor & Head (i/c), Department of Mechanical Engineering,

welcome the gathering. Department of Mechanical Engineering, Dr. N.G.P. Institute of Technology in association with Indian Welding Society Organized a webinar titled as “**Advances in Welding Processes**” on 22.11.2021 for the students. **Dr.M.Venkatesan** QA/QC Head, Mechanical, B&F IC, L&T Chennai has discussed the topic on latest technology used in welding Processes.



## **ONE DAY TRAINING PROGRAMME ON AUTODESK 360 FUSION**

Department of Mechanical Engineering, Dr.N.G.P. Institute of Technology in Association ICTACADEMY & AUTODESK organized a virtual training on AUTODESK FUSION 360 for pre final and final year students on 27<sup>th</sup> November 2021. The students were trained virtually in AUTODESK FUSION 360 to participate in “Design Now Workshop”.

**Dr.N.G.P. INSTITUTE OF TECHNOLOGY**  
Coimbatore - 641048  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized by UGC and Accredited by NAAC with A+ & NBA (BME, CSE, ECE, EEE & MECH)

In Association with **ICTACADEMY** | Powered by **AUTODESK**

**Design Now Workshop**

**AUTODESK FUSION 360**

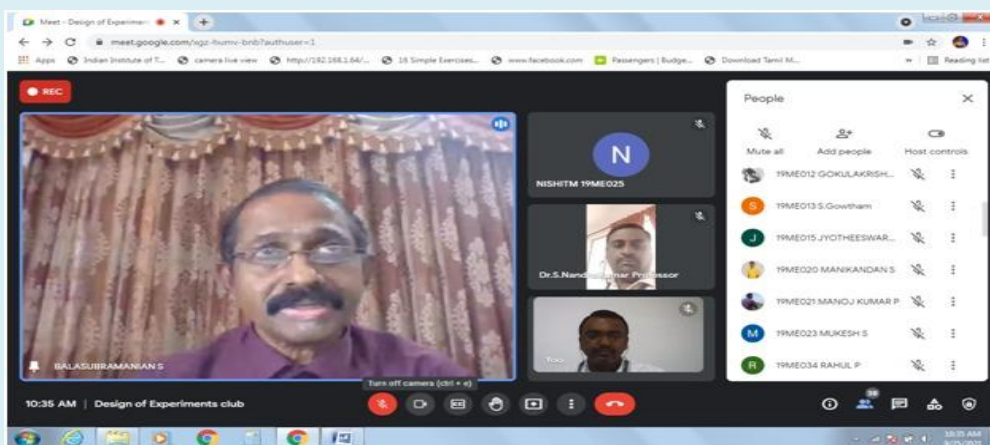
Date: 27 November 2021  
Hosted by **Department of Mechanical Engineering**

Coordinator: **Mr.R.Karthikeyan** AP/Mech  
Convenor: **Dr.S.Nandhakumar** HOD -Mech  
Patron: **Dr.S.U.Prabha** Principal



### ✚ ONE DAY WEBINAR ON “PLANNING OF EXPERIMENTS”

On behalf of Mechanical Engineering Department, this event is organized by Dr.R.Thirumalai, Professor/Mech. The program is presided by Dr. Nalla G. Palaniswami, Chairman and Dr.Thavamani D. Palaniswami, Secretary, felicitated by Dr.O.T.Bhuvaneswaran, Chief Executive Officer, KMCRET and Dr.S.U.Prabha, Principal. Dr.S.NandhaKumar, Professor & Head (i/c), Department of Mechanical Engineering, welcome the gathering. Department of Mechanical Engineering, Dr. N.G.P. Institute of Technology in alliance with department association organized a webinar titled as “**Planning of Experiments**” on 25.09.2021 for the students. **Dr.S.Balasubramanian, Professor** discussed the content as plan the experiments using DoE software MINITAB. The students will be able to conduct experiments using Orthogonal array and get optimum results.







## One day workshop on “Designing & Draughting of Mechanical – Electrical – Plumbing (MEP)”

Department of Mechanical Engineering jointly organized with AGHORA Design Academy, an One day workshop on “Designing & Draughting of Mechanical – Electrical – Plumbing (MEP)” training program is presided by Dr. Nalla G. Palaniswami, Chairman-Dr.NGPIT and Dr. Thavamani D. Palaniswami, Secretary-Dr.NGPIT; felicitated by Dr.O.T.Bhuvaneshwaran, Chief Executive Officer, KMCRET and Dr.S.U.Prabha, Principal-Dr.NGPIT. Dr.S.NandhaKumar, Professor & Head, Department of Mechanical Engineering, Dr.NGPIT welcome the gathering. This program is coordinated by Mr.A.Jaganathan, AP/Mech & Mr.R.Vijayakumar, AP/Mech on 30.11.2021 and 56 students from final year mechanical engineering is participated. The chief guests of the program is Mr.V.Jayaprakash, Senior Designer, AGHORA Design Academy, Coimbatore and Mr.C.Sandeep, Head – Operations AGHORA Design Academy, Coimbatore. The beneficiaries got knowledge about the Mechanical – Electrical – Plumbing in the industries and various applications.





**EVENTS ORGANIZED BY THE FACULTIES**

S. No.	Date	Event/ Programme	Topic	Chief Guest, Designation	Organized by
1	01/12/2021	Webinar	Online webinar on "Machine Dynamics" by SAE	Dr.Ragavanantham Shanmugam, Ph.D. Assistant Professor, School of Engineering, Math. & Technology, Program Advisor for Advanced Manufacturing Engineering Technology, Navajo Technical University, New Mexico, USA	Dr.P.GOPIKRISHNAN Dr.D.VASANTHKUMAR
2	30/11/2021	Workshop	One day Workshop on "Designing & Draughting of Mechanical – Electrical – Plumbing (MEP)"	Mr.V.Jayaprakash - Senior Designer Mr.C.Sandeep Ajeeth Raja - Operations Head AGHORA Design Academy - Coimbatore	Mr.R.VIJAYAKUMAR Mr.A.JAGANATHAN
3	27/11/2021	Virtual Training	Virtual Design Now Workshop in Autodesk Fusion 360	Mr.Prasanth, ICT Academy Chennai	Mr.R.KARTHIKEYAN

<b>4</b>	25/11/2021	Webinar	Online Webinar on "Advancement In Polymeric Composites for Armour Applications"	Dr. J. Naveen, Senior Assistant Professor, School of Mechanical Engineering, VIT University, Vellore.	Mr.P.ASHOK KUMAR
<b>5</b>	22/11/2021	Webinar	Online Webinar on "Advances in Welding Processes"	Dr.M.Venkatesen, QA/QA - Mechanical, Head Quaters, B&F IC , L&T Constructions, Chennai	Dr.K.KALAISELVAN Mr.R.KARTHIKEYAN
<b>6</b>	19/11/2021	Webinar	Online Webinar on "Challenges and Opportunities in Mechanical Engineering Industries"	C. Puliyurudayan Managing Director Cleartek Filters Pvt ltd Coimbatore	Dr.R.THIRUMALAI
<b>7</b>	18/11/2021	Webinar	Online Webinar on "Internet of Things in Mechanical Engineering"	Mr.T.Saravana Prabhu Senior Software Engineer, Cognizant Technology Solutions, Coimbatore.	Mr.V.P.PRADEEP
<b>8</b>	13/11/2021	Webinar	One Day Webinar on "Advanced Materials Characterization Techniques" by Smart Manufacturing Club	Dr.M.Veena, Dr.D.S.Kothari Post Doctoral Fellow, Department of Nano Science and Technolgy, Bharathiyar University, Coimbatore.	Mr.S.RAJKUMAR
<b>9</b>	08/11/2021	Webinar	Online Webinar on "Recent Advances and Scope of Autodesk Fusion 360 in Additive Manufacturing"	Mr.Rohit Chandran, Educatio Engagement Specialist, Autodesk India.	Dr.B.SHREERAM
<b>10</b>	25/09/2021	Webinar	One Day Webinar on "Industrial Automation with its Applications" in Association with Smart Manufacturing Club, Dr. N.G.P. ITech	Mr.Sriram Nagarajan, CEO, ROBORAM Private Limited, Nagercoil	Mr.S.RAJKUMAR
<b>11</b>	25/09/2021	Seminar	One Day Seminar on "PLANNING OF EXPERIMENTS"	Dr.S.Balasubramanian Associate Professor / Mechanical Engineering Kumaraguru College of Technology, Coimbatore	Dr.R.THIRUMALAI

12	25/09/2021	Workshop	One Day Workshop on "Impact of CAD CAM Softwares in Industry 4.0"	Mr.S.Pratheep, CAD Engineer, CADD Technologies, School of Design Private Limited, Coimbatore	Dr.M.NALLUSAMY Mr.V.P.PRADEEP
13	23/09/2021	Online Quiz Competition	Online Quiz	Smart Manufacturing Club, Dr. N.G.P. Institute of Technology, Coimbatore	Mr.S.RAJKUMAR
14	28/08/2021	Association Inauguration of "MECHLAD OZ"	Association Inauguration	Mr.A.Natarajan Head – Materials, SAMUDRA Pumps, Coimbatore	Dr.R.THIRUMALAI

**+ FDP's/STTP's/WORKSHOPS/SEMINARS ATTENDED BY FACULTIES**

S. No.	Name of the staff	Title of the Course - Seminar Workshop/FDP/STTP/Webinar/Conference	Date of the Event		Details of the Organizers
			From	To	
1	Dr.S.NANDHAKUMAR	ATAL - FACULTY DEVELOPMENT PROGRAMME ON AICTE TRAINING AND LEARNING (ATAL) ACADEMY	20-09-2021	24-09-2021	AICTE TRAINING AND LEARNING (ATAL) ACADEMY
2		FACULTY DEVELOPMENT PROGRAMME ON ADVANCED MACHINING PROCESSES	08-07-2021	23-09-2021	NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING
3		NPTEL ONLINE COURSE ON ADVANCED MACHINING PROCESSES	08-07-2021	23-09-2021	NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING
4	Dr.K.KALAISELVAN	FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
5		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	RESEARCHER ACADEMY ON CAMPUS (ELSEVIER)
6		SHORT TERM TRAINING PROGRAMME ON INNOVATIONS AND CHALLENGES IN INDUSTRY 4.0 AUTOMATION AND SMART	09-08-2021	14-08-2021	KALLAM INSTITUTE OF TECHNOLOGY, AP.

		MANUFACTURING			
7		WEBINAR ON FUND RAISING SKILLS FOR ENTREPRENEURS	30-06-2021	-	ANNA UNIVERSITY REGIONAL CAMPUS COIMBATORE
8		FACULTY DEVELOPMENT PROGRAMME ON AICTE-ISTE SPONSORED VALUE BASED EDUCATION SYSTEM – CURRENT AND FUTURE SCENARIO	13-12-2021	18-12-2021	PANIMALAR INSTITUTE OF TECHNOLOGY, CHENNAI
9		FACULTY DEVELOPMENT PROGRAMME ON AU SPONSORED FDP ON ME8692-FINITE ELEMENT ANALYSIS	03-01--2022	08-01-2022	Dr. N.G.P. INSTITUTE OF TECHNOLOGY, COIMBATORE
10		ATAL - FACULTY DEVELOPMENT PROGRAMME ON RESEARCH METHODOLOGY AND SCIENTIFIC WRITING FOR ENGINEERING AND MANAGEMENT	16-02-2021	20-02-2021	INDIAN INSTITUTE OF INFORMATIONAL TECHNOLOGY AND MANAGEMENT
11		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMEN	11-09-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
12		ATAL - FACULTY DEVELOPMENT PROGRAMME ON DOE AND ANN	16-08-2021	20-08-2021	MJP ROHILKHAND UNIVERSITY
13	Dr.R.THIRUMALAI	ATAL - FACULTY DEVELOPMENT PROGRAMME ON ADDITIVE MANUFACTURING:F ROM 3D PRINTING TO FACTORY FLOOR	23-08-2021	27-08-2021	NIT SRINAGAR
14		TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	ELSEVEIR RESEARCHER ACADEMY
15		CONFERENCE ON MACHINING PARAMETER OPTIMIZATION FOR AL6063 ALLOY BY USING GFA	05-08-2021	07-08-2021	NIT PATNA

16		CONFERENCE ON INVESTIGATION OF SURFACE HARDNESS OF AISI316L SS USING RSM	05-08-2021	07-08-2021	NIT PATNA
17	Dr.P.SIVAPRAKASH	FACULTY DEVELOPMENT PROGRAMME ON APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN MODERN MANUFACTURING	03-08-2021	07-08-2021	DEPARTMENT OF MECHANICAL ENGINEERING, KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCE
18		SEMINAR ON ART OF WRITING EFFECTIVE PROPOSAL FOR FUNDING AGENCIES	27-11-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
19		ONLINE COURSE ON INVESTMENT RISK MANAGEMENT	03-09-2021	09-09-2021	COURSERA
20		ONLINE COURSE ON EHEALTH: MORE THAN JUST AN ELECTRONIC RECORD	25-10-2021	03-12-2021	COURSERA
21		TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	01-09-2021	02-09-2021	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
22		INTERNATIONAL TRAINING PROGRAM ON ECO CIVILISATION AND PEACE	16-11-2021	-	UNESCO AND NANJING PEACE FORUM
23		FACULTY DEVELOPMENT PROGRAMME ON RECENT TRENDS IN ARTIFICIAL INTELLIGENCE	29-11-2021	03-12-2021	LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL
24		SEMINAR ON INDIGENOUS TECHNOLOGIES (FOR SELF RELIANT INDIA)	08-12-2021	-	DST, GOVERNMENT OF INDIA & TNSCST, GOVERNMENT OF TAMILNADU
25		FACULTY DEVELOPMENT PROGRAMME ON ARTIFICIAL INTELLIGENCE IN HEALTHCARE USING ONE API TOOL	14-12-2021	20-12-2021	VINAYAKA MISSIONS KIRUPANANDA VARIYAR ENGINEERING COLLEGE
26		AWARENESS ON GOVERNMENT JOB OPPORTUNITIES FOR ENGINEERING STUDENTS	15-12-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY

27		WORKSHOP ON START-UP SUCCESS AND ENTREPRENEURSHIP DEVELOPMENT INAUGURAL PROGRAM	24-12-2021	-	REIN LABS
28		FACULTY DEVELOPMENT PROGRAMME ON COUNSELING FOR STUDENT DEVELOPMENT	15-02-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
29	Dr.V.SIVARAMAN	8 TH INTERNATIONAL AND 29TH ALL INDIA MANUFACTURING TECHNOLOGY, DESIGN AND RESEARCH CONFERENCE	09-12-2021	11-12-2021	PSG COLLEGE OF TECHNOLOGY, COIMBATORE
30		8 TH INTERNATIONAL AND 29TH ALL INDIA MANUFACTURING TECHNOLOGY, DESIGN AND RESEARCH-PRE CONFERENCE WORKSHOP	08-12-2021	-	PSG COLLEGE OF TECHNOLOGY, COIMBATORE
31		FACULTY DEVELOPMENT PROGRAMME ON ADVANCED MATERIALS AND MANUFACTURING TECHNOLOGY	27-09-2021	08-10-2021	SRM-EASWARI ENGINEERING COLLEGE
32		FACULTY DEVELOPMENT PROGRAMME ON COMPUTATIONAL TECHNIQUES IN ENGINEERING	02-08-2021	06-08-2021	MUSLIM ALIGARH UNIVERSITY POLYTECHNIC
33	Dr.P.GOPIKRISHNAN	NPTEL COURSE ON MECHANICS OF HUMAN MOVEMENT	01-01-2021	30-04-2021	IIT MADRAS & MHRD, GOI
34		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	ELSEVIER - RESEARCHER ACADEMY ON CAMPUS
35		ATAL - FDP ON COMPUTATIONAL TECHNIQUES IN ENGINEERING	02-08-2021	06-08-2021	UNIVERSITY POLYTECHNIC
36		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	FACULTY DEVELOPMENT CELL, DR. N.G.P. INSTITUTE OF TECHNOLOGY

37		WEBINAR ON MODELLING & SIMULATION OF HYBRID ELECTRIC VEHICLE	16-09-2021	-	MATHWORKS WITH ECE, DR.NGPIT
38		FACULTY DEVELOPMENT PROGRAMME ON MECHANICS OF HUMAN MOVEMENT	02-08-2021	11-08-2021	NPTEL
39		FACULTY DEVELOPMENT PROGRAMME ON S&T ECOSYSTEMS IN INDIA: OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	CENTRE FOR FACULTY DEVELOPMENT, DR. N.G.P. INSTITUTE OF TECHNOLOGY
40		FACULTY DEVELOPMENT PROGRAMME ON SHEETMETAL DESIGN IN SOLID EDGE (ONLINE LIVE FDP)	27-09-2021	01-10-2021	ICT ACADEMY
41		WEBINAR ON CU COMPOSITES FOR AEROSPACE ELECTRONICS PACKAGING	06-10-2021	-	KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE
42		WEBINAR ON IEEE XPLORE	12-10-2021	-	Dr. NGPIT, COIMBATORE
43		FACULTY DEVELOPMENT PROGRAMME ON AUTOMOTIVE ENGINEERING SYSTEMS	04-10-2021	08-10-2021	ARAI PUNE AND SAE
44		FACULTY DEVELOPMENT PROGRAMME ON ART OF BALANCING WORK, RESEARCH AND PERSONAL LIFE	13-11-2021	-	CFD, Dr. NGPITECH
45		NPTEL COURSE ON DESIGN PRACTICE-II"	01-06-2021	30-10-2021	MHRD
46		FACULTY DEVELOPMENT PROGRAMME ON DESIGN PRACTICE-II	01-06-2021	08-06-2021	MHRD
47		SEMINAR ON ART OF WRITING EFFECTIVE PROPOSAL FOR FUNDING AGENCIES	27-11-2021	-	RESEARCH AND DEVELOPMENT CELL, DR. N.G.P. INSTITUTE OF TECHNOLOGY
48	Dr.M.NALLUSAMY	ATAL - FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES: DESIGN,	09-08-2021	13-08-2021	NIT MEGHALAYA



		MANUFACTURING AND CHARACTERIZATION			
49		ATAL - FACULTY DEVELOPMENT PROGRAMME ON FUNDAMENTALS OF NOVEL MATERIALS	24-08-2021	28-08-2021	TRIPURA UNIVERSITY
50		ONLINE COURSE ON FOUNDATIONS OF VIRTUAL INSTRUCTION	18-08-2021	-	UNIVERSITY OF CALIFORNIA, IRVINE
51		TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE	02-09-2021	03-09-2021	DR.N.G.P. INSTITUTE OF TECHNOLOGY
52		COURSERA - ENVIRONMENTAL SAFETY	07-09-2021	-	SAINT PETERSBURG STATE UNIVERSITY
53		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr.N.G.P. INSTITUTE OF TECHNOLOGY
54		FACULTY DEVELOPMENT PROGRAMME ON EMERGING TRENDS IN AUTOMATION	22-07-2021	28-07-2021	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
55		FACULTY DEVELOPMENT PROGRAMME ON ADVANCED MATERIALS AND MANUFACTURING TECHNOLOGY	27-09-2021	08-10-2021	EASWARI ENGINEERING COLLEGE
56		FACULTY DEVELOPMENT PROGRAMME ON ART OF BALANCING WORK, RESEARCH AND PERSONAL LIFE	13-11-2021	-	DR.N.G.P. INSTITUTE OF TECHNOLOGY
57		SEMINAR ON ART OF WRITING EFFECTIVE PROPOSAL FOR FUNDING AGENCIES	27-11-2021	-	DR.N.G.P. INSTITUTE OF TECHNOLOGY
58		FACULTY DEVELOPMENT PROGRAMME ON ALTERNATIVE FUELS	22-11-2021	26-11-2021	GOVERNMENT ENGINEERING COLLEGE, MODASA
59	Dr.B.SHREERAM	TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	RESEARCH ACADEMY & Dr.NGPIT

60		FACULTY DEVELOPMENT PROGRAMME ON NAAC ORIENTATION	10-07-2021	16-07-2021	FISAT, Kerala	
61	Dr.D.VASANTHKUMAR	ATAL - FACULTY DEVELOPMENT PROGRAMME ON LEAN THINKING FOR SUSTAINABLE BUSINESS PRACTICES	16-08-2021	20-08-2021	SRM INSTITUTE OF MANAGEMENT AND TECHNOLOGY	
62		FACULTY DEVELOPMENT PROGRAMME ON NEW AGE MATERIALS AND ITS ADVANCED APPLICATION	12-08-2021	12-08-2021	KARUNYA UNIVERSITY	
63		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	DR NGP INSTITUTE OF TECHNOLOGY	
64		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	DR NGP INSTITUTE OF TECHNOLOGY	
65		ATAL - FACULTY DEVELOPMENT PROGRAMME ON DESIGN THINKING FOR MANUFACTURING EXCELLENCE	06-09-2021	10-09-2021	MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES	
66		WEBINAR ON S&T ECOSYSTEMS IN INDIA OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	Dr.NGP INSTITUTE OF TECHNOLOGY	
67		WEBINAR ON IEEE XPLORE	12-10-2021	-	Dr.NGP INSTITUTE OF TECHNOLOGY	
68		SHORT TERM TRAINING PROGRAMME ON MECHATRONICS AND MANUFACTURING AUTOMATION	04-10-2021	08-10-2021	NATIONAL INSTITUTE OF TECHNOLOGY, ARUNACHAL PRADESH	
69		Mr.A.JAGANATHAN	COURSERA ON NATURAL GAS	28-06-2021	28-07-2021	THE STATE UNIVERSITY
70			COURSERA ON INTRODUCTION TO THERMODYNAMICS: TRANSFERRING ENERGY FROM HERE TO THERE	28-05-2021	28-07-2021	UNIVERSITY OF MICHIGAN
71	COURSERA ON DIGITAL		25-06-2021	29-07-2021	THE STATE UNIVERSITY OF NEW	

		MANUFACTURING & DESIGN			YORK
72		COURSERA ON INTRODUCTION TO MACHINE LEARNING	30-06-2021	30-07-2021	DUKE UNIVERSITY
73		COURSERA ON INTRODUCTION TO PETROLEUM ENGINEERING	30-05-2021	30-07-2021	TOMSK POLYTECHNIC UNIVERSITY
74		FACULTY DEVELOPMENT PROGRAMME ON UNCONVENTIONAL MACHINING PROCESS	26-07-2021	02-08-2021	SRI SAIRAM ENGINEERING COLLEGE
75		FACULTY DEVELOPMENT PROGRAMME ON FUNDING AGENCY FOR SUPPORTING IPR AND ENTREPRENEURSHIP	05-07-2021	-	MAHENDRA INSTITUTE OF TECHNOLOGY
76		FACULTY DEVELOPMENT PROGRAMME ON NEW AGE MATERIALS AND ITS ADVANCED APPLICATIONS	12-08-2021	17-08-2021	KARUNYA UNIVERSITY
77		FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES: DESIGN, MANUFACTURING AND CHARACTERIZATION	09-08-2021	13-08-2021	ATAL
78		ONLINE COURSE ON PROJECT MANAGEMENT: THE BASICS FOR SUCCESS	25-07-2021	24-08-2021	UCI DEVISION OF CONTINUING EDUCATION
79		WORKSHOP ON GENETIC ALGORITHM, SIMULATED ANNEALING, NEURAL NETWORK AND FUZZY LOGIC	27-08-2021	-	SSN COLLEGE OF ENGINEERING
80		FACULTY DEVELOPMENT PROGRAMME ON FINITE ELEMENT ANALYSIS - RESEARCH PERSPECTIVE	23-08-2021	27-08-2021	CVR COLLEGE OF ENGINEERING , TELANGANA.
81		TWO-DAY WORKSHOP ON IMPROVING	02-09-2021	03-09-2021	Dr.N.G.P. INSTITUTE OF TECHNOLOGY

		RESEARCH PERFORMANCE OUTCOMES			
82		ONLINE COURSE ON INVESTMENT RISK MANAGEMENT	10-08-2021	08-09-2021	COURSERA PROJECT NETWORK
83		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr.N.G.P. INSTITUTE OF TECHNOLOGY
84		NPTEL - PRINCIPLES OF VIBRATION CONTROL	26-09-2021	26-09-2021	NPTEL
85	Mr.N.MANIKANDAN	ATAL - FDP ON DESIGN THINKING FOR MANUFACTURING EXCELLENCE	06-09-2021	10-09-2021	AICTE
86		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE	02-09-2021	03-09-2021	VISHAL GUPTA, SENIOR CUSTOMER CONSULTANT,LAVANYA TRIKSHA INSIDE SOLUTION
87		CONFERENCE ON IACAMR2.0	03-12-2021	04-12-2021	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
88	Mr.R. VIJAYAKUMAR	FDP ON "AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM (FDP) ON FUNDAMENTALS OF NOVEL MATERIALS"	24-08-2021	28-08-2021	TRIPURA UNIVERSITY
89		AICTE SPONSORED FDP ON "DESIGN AND OPERATIONAL PERSPECTIVE OF ELECTRIC VEHICLE WITH DISTRIBUTED ENERGY RESOURCES USING CYBER PHYSICAL SYSTEM	19-07-2021	31-07-2021	KPR INSTITUTE OF ENGINEERING & TECHNOLOGY COIMBATORE
90		AICTE - ISTE SPONSORED FDP ON EMERGING TRENDS IN AUTOMATION	22-07-2021	28-09-2021	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY
91		TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	01-09-2021	02-09-2021	RESEARCH ACADEMY & DR.NGPIT
92		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY

93		FACULTY DEVELOPMENT PROGRAMME ON ART OF BALANCING WORK, RESEARCH AND PERSONAL LIFE	13-11-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
94		VIRTUAL FDP ON ADVANCED MATERIALS AND MANUFACTURING TECHNOLOGY	27-09-2021	08-10-2021	SRM EASWARI ENGINEERING COLLEGE
95	Mr.M.MANI	ATAL - FACULTY DEVELOPMENT PROGRAMME ON GREEN TECHNOLOGY: APPLICATIONS IN MANUFACTURING	20-09-2021	24-09-2021	NIT, PATNA
96		ATAL - FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES: DESIGN, MANUFACTURING AND CHARACTERIZATION	09-08-2021	13-08-2021	NIT, MEGHALAYA
97	Mr.V.P.PRADEEP	ONLINE COURSE ON INTRODUCTION TO THERMODYNAMICS: TRANSFERRING ENERGY FROM HERE TO THERE	01-06-2021	29-07-2021	UNIVERSITY OF MICHIGAN
98		FIVE DAYS FDP ON GREEN TECHNOLOGY & SUSTAINABILITY ENGINEERING	23-08-2021	27-08-2021	BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI.
99		FACULTY DEVELOPMENT PROGRAMME ON NEW AGE MATERIALS AND ITS ADVANCED APPLICATIONS	12-09-2021	17-08-2021	KARUNYA INSTITUTE OF TECHNOLOGY,COIMB ATORE
100		COURSERA- FOUNDATIONS OF VIRTUAL INSTRUCTION	08-09-2021	-	UNIVERSITY OF CALIFORNIA, IRVINE
101	Mr.P.ASHOK KUMAR	ATAL - FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES: DESIGN, MANUFACTURING AND CHARACTERIZATION	09-08-2021	13-08-2021	NIT MEGHALAYA.

<b>102</b>		ATAL - FACULTY DEVELOPMENT PROGRAMME ON LEAN THINKING FOR SUSTAINABLE BUSINESS PRACTICES	16-08-2021	20-08-2021	SRM INSTITUTE OF MANAGEMENT AND TECHNOLOGY.
<b>103</b>		FACULTY DEVELOPMENT PROGRAMME ON PSYCHOLOGY THE PATH AHEAD FOR THE TEACHING FRATERNITY”	16-08-2021	20-08-2021	DEPARTMENT OF MANAGEMENT STUDIES, DR.NGPIT
<b>104</b>		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	Dr. N.G.P INSTITUTE OF TECHNOLOGY
<b>105</b>		FACULTY DEVELOPMENT PROGRAMME ON S&T ECOSYSTEMS IN INDIA: OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
<b>106</b>		ATAL - FACULTY DEVELOPMENT PROGRAMME ON ROBOTICS - THE MACHINE POWER FOR INDUSTRIAL AUTOMATION	15-11-2021	19-11-2021	SRI ESHWAR COLLEGE OF ENGINEERING
<b>107</b>		FIVE DAYS FDP ON GREEN TECHNOLOGY & SUSTAINABILITY ENGINEERING	23-08-2021	27-08-2021	BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI.
<b>108</b>		FACULTY DEVELOPMENT PROGRAMME ON EMERGING TRENDS IN AUTOMATION	22-07-2021	28-07-2021	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY
<b>109</b>	Mr.A.G.KARTHIKEYA N	FACULTY DEVELOPMENT PROGRAMME ON “FRAMEWORK FOR ASSESSMENT”	11-09-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
<b>110</b>		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	RESEARCHER ACADEMY ON CAMPUS (ELSEVIER)
<b>111</b>		FACULTY DEVELOPMENT PROGRAMME ON ART OF BALANCING WORK, RESEARCH AND PERSONAL LIFE	13-11-2021	-	DR.N.G.P. INSTITUTE OF TECHNOLOGY

112	Mr. K.KIRAN	FACULTY DEVELOPMENT PROGRAMME ON GREEN TECHNOLOGY & SUSTAINABILITY ENGINEERING	31-05-2021	04-06-2021	NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
113		FACULTY DEVELOPMENT PROGRAMME ON FAULT DIAGNOSTICS	26-07-2021	30-07-2021	NATIONAL INSTITUTE OF TECHNOLOGY, SRINAGAR
114		FACULTY DEVELOPMENT PROGRAMME ON ENTREPRENEURSHIP ECOSYSTEM	02-08-2021	06-08-2021	ANNA UNIVERSITY, CHENNAI
115		COURSERA CERTIFICATION	18-08-2021	-	UNIVERSITY OF CALIFORNIA, IRVINE
116		FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES DESIGN, MANUFACTURING AND CHARACTERIZATION	09-08-2021	13-08-2021	NIT MEGHALAYA
117		ONLINE COURSE ON ENVIRONMENTAL SAFETY	06-09-2021	-	SAINT PETERSBURG STATE UNIVERSITY
118		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
119		WEBINAR ON IEEE XPLORE	12-10-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
120		SEMINAR ON TECHNICAL SESSION ON INTERNET OF THINGS (IOT)	01-10-2021	-	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
121		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
122		FACULTY DEVELOPMENT PROGRAMME ON S&T ECOSYSTEMS IN INDIA: OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
123		FACULTY DEVELOPMENT PROGRAMME ON ADVANCED MATERIALS AND MANUFACTURING	27-09-2021	08-10-2021	EASWARI ENGINEERING COLLEGE

		TECHNOLOGY			
124		SEMINAR ON ART OF WRITING EFFECTIVE PROPOSAL FOR FUNDING AGENCIES	27-11-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
125	Mr.S.RAJKUMAR	ATAL - FACULTY DEVELOPMENT PROGRAMME ON FUNDAMENTALS OF NOVEL MATERIALS	24-08-2021	28-08-2021	TRIPURA UNIVERSITY
126		ATAL - FACULTY DEVELOPMENT PROGRAMME ON SUSTAINABLE GREEN COMPOSITES: DESIGN, MANUFACTURING AND CHARACTERIZATION "	09-08-2021	13-09-2021	NIT MEGHALAYA.
127		WORKSHOP ON TWO-DAY WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	01-09-2021	02-09-2021	ELSEVIER RESEARCHER ACADEMY
128		ONLINE FACULTY DEVELOPMENT PROGRAMME ON MODERN TRENDS IN MANUFACTURING PROCESSES AND CONTROL TECHNIQUES IN RENEWABLE ENERGY SYSTEM	16-11-2021	21-11-2021	NATIONAL INSTITUTE OF TECHNOLOGY DELHI
129		SHORT TERM TRAINING PROGRAMME ON RENEWABLE ENERGY SYSTEM	20-09-2021	25-09-2021	NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY, NIRJULI, ARUNACHAL PRADESH
130					
131		FACULTY DEVELOPMENT PROGRAMME ON APPLICATIONS OF AI AND MACHINE LEARNING IN MECHANICAL ENGINEERING	04-10-2021	08-10-2021	SRM Institute of Science and Technology
132		TWO WEEKS FDP ON ADVANCED MATERIALS AND MANUFACTURING SYSTEMS	27-09-2021	08-10-2021	SRM Eswari Engineering College



133	Mr.M.SURIYAPRAKASH	FACULTY DEVELOPMENT PROGRAMME ON 3D PRINTING AND DESIGN	06-07-2021	10-07-2021	Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY.	
134		COURSERA CERTIFICATION - FOUNDATIONS OF VIRTUAL INSTRUCTION	26-08-2021	-	UNIVERSITY OF CALIFORNIA, IRVINE	
135		WORKSHOP ON IMPROVING RESEARCH PERFORMANCE OUTCOMES	02-09-2021	03-09-2021	Dr. N.G.P. INSTITUTE OF TECHNOLOGY	
136		ONLINE COURSE ON CYBER SECURITY IN MANUFACTURING	08-09-2021	-	SUNY, THE STATE UNIVERSITY OF NEW YORK	
137		ONLINE COURSE ON ONLINE EDUCATION: THE FOUNDATIONS OF ONLINE TEACHING	09-09-2021	-	MACQUARIE UNIVERSITY, SYDNEY - AUSTRALIA	
138		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY	
139		ATAL -FACULTY DEVELOPMENT PROGRAMME ON DESIGN THINKING FOR MANUFACTURING EXCELLENCE	06-09-2021	10-09-2021	MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES	
140		ONLINE COURSE ON ENVIRONMENTAL SAFETY	24-09-2021	-	SAINT PETERSBURG STATE UNIVERSITY	
141		FACULTY DEVELOPMENT PROGRAMME ON S&T ECOSYSTEMS IN INDIA: OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY	
142		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR ASSESSMENT	11-09-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY	
143		Mr.R.KARTHIKEYAN	ONLINE ELEMENTARY FDP ON " MANUFACTURING: HINDSIGHT TO FORESIGHT"	16-07-2021	20-07-2021	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI (BITS PILANI).
144			TWO DAYS WORKSHOP ON IMPROVING	02-09-2021	03-09-2021	DR.N.G.P. INSTITUTE OF TECHNOLOGY

		RESEARCH PERFORMANCE OUTCOMES			
145		ATAL - FACULTY DEVELOPMENT PROGRAMME ON INNOVATION AND EDUTAINMENT FOR EFFECTIVE TEACHING AND LEARNING FOR GEN Z STUDENTS	06-09-2021	10-09-2021	SRI RAMAKRISHNA COLLEGE OF ARTS AND SCIENCE.
146		TWO DAYS FDP ON "TEACHING LEARNING RESEARCH & INNOVATION"	29-10-2021	30-10-2021	ROEVER ENGINEERING COLLEGE
147		FACULTY DEVELOPMENT PROGRAMME ON MODERN TRENDS IN MANUFACTURING PROCESSES AND CONTROL TECHNIQUES IN RENEWABLE ENERGY SYSTEM	16-11-2021	21-11-2021	NATIONAL INSTITUTE OF TECHNOLOGY DELHI, INDIA
148	Mr.C.SELVAKUMAR	SEMINAR ON ASPIRATION OF ACCESSING AN AUTONOMOUS AND ROBUST RESEARCH FUNDING AGENCIES AND SCHEME	06-08-2021	-	DEPARTMENT OF ECE, ARASU ENGINEERING COLLEG
149		WEBINAR ON DESIGN TO PRINT PROTOTYPE USING FUSION 360	06-08-2021	-	DEPARTMENT OF AUTOMOBILE ENGINEERING, BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
150		ONLINE ELEMENTARY FDP ON "EDGE COMPUTING TECHNOLOGIES FOR SMART FACTORY AUTOMATION AND INDUSTRY 4.0	16-08-2021	20-08-2021	AICTE TRAINING AND LEARNING (ATAL) ACADEMY , KONGU ENGINEERING COLLEGE
151		FACULTY DEVELOPMENT PROGRAMME ON FINITE ELEMENT ANALYSIS - RESEARCH PERSPECTIVE	23-08-2021	27-08-2021	CVR COLLEGE OF ENGINEERING HYDERABAD
152		FACULTY DEVELOPMENT PROGRAMME ON FRAMEWORK FOR	11-09-2021	-	CENTER FOR FACULTY DEVELOPMENT CELL, DR. N.G.P. INSTITUTE OF TECHNOLOGY

		ASSESSMENT			
153		FACULTY DEVELOPMENT PROGRAMME ON ART OF BALANCING WORK, RESEARCH AND PERSONAL LIFE	13-11-2021	-	CENTRE FOR FACULTY DEVELOPMENT, DR. N.G.P. INSTITUTE OF TECHNOLOGY
154		SEMINAR ON ART OF WRITING EFFECTIVE PROPOSAL FOR FUNDING AGENCIES	27-11-2021	-	RESEARCH AND DEVELOPMENT CELL, DR. N.G.P. INSTITUTE OF TECHNOLOGY
155		FACULTY DEVELOPMENT PROGRAMME ON RECENT TRENDS IN RESEARCH	09-02-2022	10-02-2022	DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION, COLLEGE OF SCIENCE & HUMANITIES, SRM INSTITUTE OF SCIENCE & TECHNOLOGY, VADAP ALANI, CHENNAI-600026
156		FACULTY DEVELOPMENT PROGRAMME ON EXERGY AND THERMOECONOMIC INVESTIGATION IN POWER GENERATION SYSTEMS	09-08-2021	13-08-2021	ATAL
157	Mr.S.DHARAGA VINEETH	FACULTY DEVELOPMENT PROGRAMME ON PSYCHOLOGY THE PATH AHEAD FOR THE TEACHING FRATERNITY	16-08-2021	20-08-2021	Dr. N.G.P INSTITUTE OF TECHNOLOGY
158		ONLINE COURSE ON INVESTMENT RISK MANAGEMENT	09-09-2021	-	COURSERA
159		FACULTY DEVELOPMENT PROGRAMME ON S&T ECOSYSTEMS IN INDIA: OPPORTUNITIES TO FACULTY AND STUDENTS	01-10-2021	-	Dr. N.G.P INSTITUTE OF TECHNOLOGY
160		Mr.P.JANARTHANAN	FACULTY DEVELOPMENT PROGRAMME ON PSYCHOLOGY:THE PATHAHEAD FOR THE TEACHING FRATERNITY	16-08-2021	20-08-2021

<b>161</b>		FACULTY DEVELOPMENT PROGRAMME ON COUNSELING FOR STUDENT DEVELOPMENT	15-02-2022	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY
<b>162</b>		WEBINAR ON ADVANCEMENT IN POLYMERIC COMPOSITE FOR ARMOUR APPLICATIONS	25-11-2022	-	Dr. N.G.P. INSTITUTE OF TECHNOLOGY

## **PUBLICATION OF ARTICLES IN JOURNAL/CONFERENCES/BOOKS AND BOOKCHAPTERS/RESEARCH AND CONSULTANCY**

### **✚ Publication of Articles in Journals**

<b>S. No</b>	<b>Name of the Faculty</b>	<b>Title of the Paper</b>	<b>Publisher</b>	<b>Name of the Journal</b>	<b>International / National</b>	<b>Month / Year</b>	<b>Abstract / Indexing (Scopus or WOS)</b>
<b>1</b>	Dr.S.Nandhakumar	Fabrication and investigations of kenaf fiber and Banana fiber reinforced composite material	Elsevier	Materials Today	International	2021	Scopus
<b>2</b>	Dr.S.Nandhakumar	Artificial & composite materials based on wideband structure for antenna profile reduction	Elsevier	Materials Today	International	2021	Scopus
<b>3</b>	Dr.S.Nandhakumar	Experimental analysis of aluminium matrix composite material for braking application	Esevier	Materials Today	International	2021	Scopus
<b>4</b>	Dr.S.Nandhakumar	Experimental investigations on natural fiber reinforced composites	Elsevier	Materials Today	International	2021	Scopus
<b>5</b>	Dr.S.Nandhakumar	Gain enrichment	Elsevier	Materials	International	2021	Scopus

		of wideband antenna utilized on artificial magnetic conductor surface		Today			
7	Dr.S.Nandhakumar	Investigation of production costs in manufacturing environment using innovative tools	Elsevier	Materials Today	International	2021	Scopus
8	Dr.S.Nandhakumar	Optimal orientation of injectors for efficient spray pattern of fuel flow in a diesel engine	Elsevier	Materials Today	International	2021	Scopus
9	Dr.S.Nandhakumar	Parametric optimization of friction stir spot welded aluminium AA6063 alloy joints	Elsevier	Materials Today	International	2021	Scopus
10	Dr.S.Nandhakumar	Weight optimization and structural analysis of an electric bus chassis frame	Elsevier	Materials Today	International	2021	Scopus
11	Dr.S.Nandhakumar	Wideband antennas on glass reinforced epoxy materials	Elsevier	Materials Today	International	2021	Scopus
12	Dr.K.Kalaiselvan	CNC wire-cut EDM input variables analysis on Ni-based superalloy (MONEL K-500)	Taylor & Francis	Materials and Manufacturing Processes	International	September 2021	Scopus
13	Dr.R.Thirumalai	Experimental investigation of palm kernel fiber reinforced epoxy based composite	IOCP	Journal of Ceramic Processing Research	International	Oct/2021	SCI
14	Dr.P.Sivaprakash	Mucormycosis: An opportunistic pathogen during COVID-19	Elsevier	Environmental Research	International	Oct/2021	Scopus

15	Dr.P.Sivaprakash	Biosorption of Zinc from Industrial Wastewater using Three Different Algal Species	Kalpana	Indian Journal of Environmental Protection	International	Aug/2021	Scopus
16	Dr.P.Gopikrishnan	Synthesis of zinc oxide nanoparticles and its applications in the surface modification of textile materials	Journal of Optoelectronic and Biomedical Materials	The Virtual Institute of Physics	International	Dec 2021	Others
17	Dr.P.Gopikrishnan	Study on effect of welding speed on friction stir welded aluminium metal matrix hybrid composite	Hanyang University	Journal of Ceramic Processing Research	International	Oct 2021	Web of science
18	Mr.A.G.Karthikeyan	CNC wire-cut EDM input variables analysis on Ni - based superalloy (MONEL K-500)	Taylor and Francis	Materials and Manufacturing Processes	International	November/2021	Scopus
19	Mr.V.P.Pradeep	Characterization Of Tribological and Mechanical Properties Of Aa7050/Al2o3, Composites At Elevated Temperature	Begell House	High Temperature Material Processes	International	Dec 2021	Scopus
20	Mr.C.Selva kumar	Recovery of Waste Heat in IC Engine Using TEG Technique	International Journal of Scientific Research in Science, Engineering and Technology	International Journal of Scientific Research in Science, Engineering and Technology	International	Dec / 2021	Others

**✚ Publication of Articles in Conferences**

S. No.	Name of the Faculty	Title of the Paper	Name of the conference and Publisher	International / National	Month / Year	Abstract / Indexing (Scopus or Web of science Or Others)
1	Dr.K.Kalaiselvan	Effect of Secondary Process FSP on AA6061/A13Fe Intermetallic In-Situ Composites	International Conference on Advances in Materials Research 2021	International	03 & 04 Dec 2021	Others
2	Dr.K.Kalaiselvan	Wear characteristics of Sintered Cu-Sn/Graphite lubricants composites	International Conference on Advances in Materials Research 2021 (ICAMR 2.0)	International	03 & 04 Dec 2021	Others
3	Dr.V.Sivaraman	Characterization and evaluation of mechanical properties of sputtered Ti thin film on AA6061 /AA6082 substrate”	8 th International and 29th All India Manufacturing Technology, Design and Research Conference	International	Dec/2021	Others
4	Dr.P.Gopikrishnan	IoT based Industry Automated Sheet Metal Feeder	Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC) - IEEE	International	Nov / 2021	Scopus
5	Mr.N.Manikandan	Wear Characteristics of Sintered Cu-Sn/Graphite Lubricantste	2nd International Conference on Advances In Materials Research-2021(ICMAR2.0)	International	December/2021	Scopus
6	Mr.A.G.Karthikeyan	Effect of Secondary Process FSP on AA6061/A13Fe Intermetallic In-Situ Composites	International Conference on Advances in Materials Research 2021 (ICAMR 2.0)	International	December/2021	Others

7	Mr.A.G.Karthikeyan	Wear characteristics of Sintered Cu-Sn/Graphite lubricants	International Conference on Advances in Materials Research 2021 (ICAMR 2.0)	International	December/2021	Others
8	Mr.R.Karthikeyan	Effect Of Secondary Process Fsp on Aa6061/Al3fe Intermetallic Insitu Composites	2nd International Conference on Advances in Materials Research - 2021 (ICAMR 2.0)	International	December/2021	Scopus
9	Mr.C.Selva kumar	Recovery of Waste Heat in IC Engine Using TEG Technique	2nd International Conference on Emerging Trends in Materials, Computing and Communication Technologies	International	December 2021	Others
10	Mr.S.Dharaga Vineeth	Wear Characteristics of Sintered Cu-Sn/Graphite Lubricantste	2nd International Conference on Advances in Materials Research-2021(ICMAR2.0)	International	December/2021	Scopus

**✚ Publication of Articles in Book & Book Chapters**

S. No	Name of the Faculty	Collaborative Authors with Institution name (From Industry / Abroad Organizations / Universities)	Book / Monographs / Chapter	Title / Chapter Name	Publisher	Month / Year
1	Dr.B.Shreeram	Department of Medical Physics, Royal Infirmary of Edinburgh, NHS Lothian, Edinburgh, United Kingdom;	Springer Innovations in Communication and Computing	Hemodynamics Analysis of Bifurcated Artery using Computational Fluid Dynamics	Springer Innovations in Communication and Computing	in press



**+ PATENT PUBLISHED / GRANTED**

S. No.	Name of the Faculty	Collaborative Authors with Institution name (From Industry / Abroad Organizations / Universities)	Title	Patent filed ID	Month / Year
1	Dr.P.Gopikrishnan	Dr.T.Pridhar (SKCT), Dr.B.Sureshababu, Dr.R.Srinivasan, Mr.N.Aravindkumar, Dr.N.Mohanraj, Dr.V.G.Pradeep, Dr.J.Mankandan, Mr.C.A.Jagadish, Mr.S.Omprakasam, Dr.M.Sowrirajan, Mr.R.Vijaya Kumar, Mr.A.Jaganathan (Dr.NGPIT)	Light Weight Construction Panel by recycling Thermocol	20214103 4325	Aug / 2021

**+ CONSULTANCY RECEIVED**

S. No.	Name of the Faculty	Name of the organisation / Agency	Details of consultancy	Date	Revenue Generated
1	Dr.S.Nandhakumar Dr.R.Thirumalai, Mr.C.Selva kumar	Encon Energy Concepts (p) Ltd, Chennai & Coimbatore	Touch Free Restroom Restoration Machine - New product development	8/25/2021	50,000/-

**+ Ph.D. PURSUING SCHOLARS UNDER RECOGNIZED SUPERVISOR FROM NGP ITECH**

S. No	Department	Supervisor Name	Name of the External Scholars	Year of registration	Part time / Full Time	Status
1	Mechanical	Dr. Kalaiselvan K	T.Albert	2017	Part time	Pursuing
2	Mechanical	Dr. Kalaiselvan K	L.Sivaraj	2018	Part time	Pursuing
3	Mechanical	Dr. Kalaiselvan K	K.Karthik	2015	Part time	Pursuing
4	Mechanical	Dr. Kalaiselvan K	S.Karpagarajan	2017	Part time	Pursuing
5	Mechanical	Dr. Kalaiselvan K	Mr.A.G.Karthikeyan	2017	Part time	Pursuing
6	Mechanical	Dr. Kalaiselvan K	Mr.N.Manikandan	2022	Part time	Pursuing
7	Mechanical	Dr. Thirumalai R	S.Karthick	2015	Part time	Pursuing
8	Mechanical	Dr. Thirumalai R	M.Vivekraj	2015	Part time	Pursuing
9	Mechanical	Dr. Thirumalai R	D.Ragunath	2016	Part time	Pursuing
10	Mechanical	Dr. Thirumalai R	M.Sivaperumal	2016	Part time	Pursuing
11	Mechanical	Dr. Thirumalai R	D.Aravindkumar	2016	Part time	Pursuing
12	Mechanical	Dr. Thirumalai R	S.Kannan	2021	Part time	Pursuing

**✚ Ph.D. AWARDED SCHOLARS UNDER RECOGNIZED SUPERVISOR FROM NGP ITECH**

S. No.	Supervisor Name	Name of the Scholar	Year of registration	Year of Thesis Submitted	Part time / Full Time	Internal / External
1	Dr.K.Kalaiselvan	C. Pravin Tamil Selvan	2017	2021	Part time	External
2		Mr.Balakrishnan M	2016	2022	Part time	External
3	Dr.R.Thirumalai	K.Murugan	2015	2021	Part time	External

**ONLINE COURSES COMPLETED BY FACULTY**

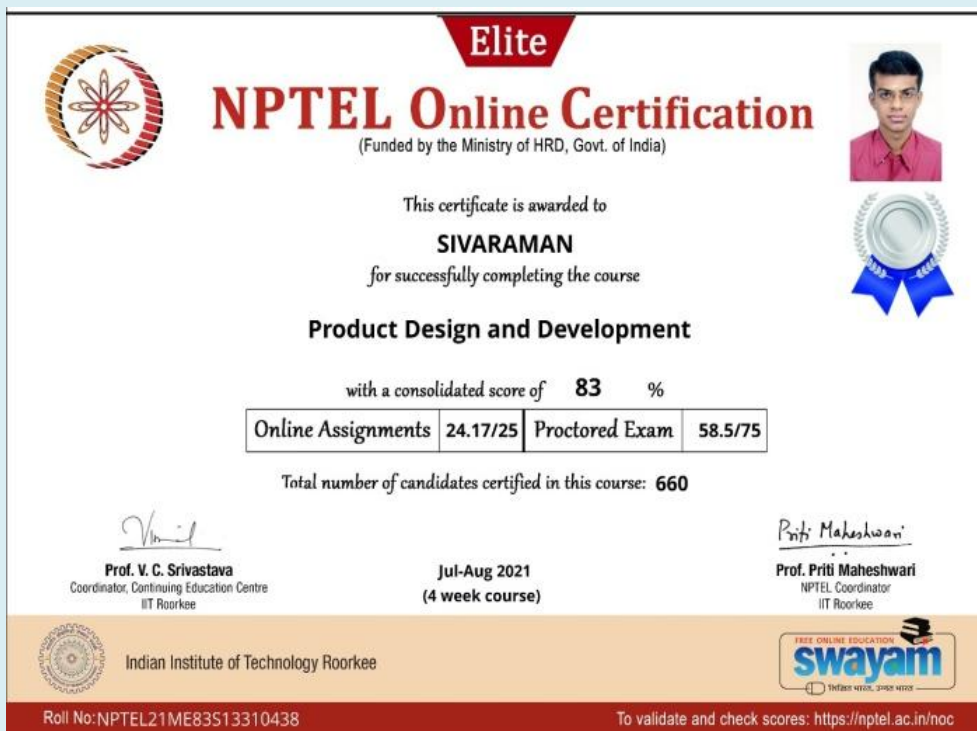
**✚ COURSEERA**

S. No.	Name of the Faculty	Title of the Course	From	To	Duration
1	Dr.P.SIVAPRAKASH	eHealth: More than just an electronic record	October-2021	December-2021	5 weeks
2	Mr.M.SURIYAPRAKASH	Environmental Safety	September-2021	September-2021	1 Day
3	Mr.M.SURIYAPRAKASH	Online education: The foundations of online teaching	September-2021	September-2021	1 Day
4	Mr.S.DHARAGA VINEETH	Investment Risk Management	September-2021	September-2021	1 Day
5	Mr.M.SURIYAPRAKASH	Cyber Security in Manufacturing	September-2021	September-2021	1 Day
6	Mr. V.P.PRADEEP	coursera- Foundations of Virtual Instruction	September-2021	September-2021	1 Day
7	Dr.M.NALLUSAMY	Coursera - Environmental Safety	September-2021	September-2021	1 Day
8	Mr. K.KIRAN	Environmental Safety	September-2021	September-2021	1 Day
9	Dr.P.SIVAPRAKASH	Investment Risk Management	September-2021	September-2021	7 Days

10	Mr.M.SURIYAPRAKASH	Coursera Certification - Foundations of Virtual Instruction	August-2021	August-2021	1 Day
11	Mr. K.KIRAN	Coursera Certification	August-2021	August-2021	1 Day
12	Dr.M.NALLUSAMY	Foundations of Virtual Instruction	August-2021	August-2021	1 Day
13	Mr.A.JAGANATHAN	Investment Management Risk	August-2021	September-2021	4 weeks



S. No.	Name of the Faculty	Course Name	Duration
1	S NANDHAKUMAR	ADVANCED MACHINING PROCESSES	8 WEEKS
2	R THIRUMALAI	ADVANCED MACHINING PROCESSES	8 WEEKS
3	V SIVARAMAN	PRODUCT DESIGN AND DEVELOPMENT	4 WEEKS
4	M NALLUSAMY	PRODUCT DESIGN AND DEVELOPMENT	4 WEEKS
5	P GOPI KRISHNAN	DESIGN PRACTICE-II	8 WEEKS
6	D VASANTH KUMAR	PRINCIPLES OF VIBRATION CONTROL	4 WEEKS
7	A JAGANATHAN	PRINCIPLES OF VIBRATION CONTROL	4 WEEKS
8	N MANIKANDAN	PRODUCT DESIGN AND DEVELOPMENT	4 WEEKS
9	R VIJAYA KUMAR	PRODUCT DESIGN AND DEVELOPMENT	4 WEEKS
10	V PPRADEEP	PRODUCT DESIGN AND DEVELOPMENT	4 WEEKS
11	M MANI	PRINCIPLES OF VIBRATION CONTROL	4 WEEKS
12	A G KARTHIKEYAN	ADVANCED MACHINING PROCESSES	8 WEEKS
13	M SURIYAPRAKASH	PRINCIPLES OF VIBRATION CONTROL	4 WEEKS
14	K KIRAN	INNOVATION BY DESIGN	4 WEEKS
15	R KARTHIKEYAN	FUNDAMENTALS OF ADDITIVE MANUFACTURING	12 WEEKS



**Elite**  
**NPTEL Online Certification**  
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**SIVARAMAN**  
 for successfully completing the course  
**Product Design and Development**  
 with a consolidated score of **83** %

Online Assignments	24.17/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **660**

Prof. V. C. Srivastava  
 Coordinator, Continuing Education Centre  
 IIT Roorkee

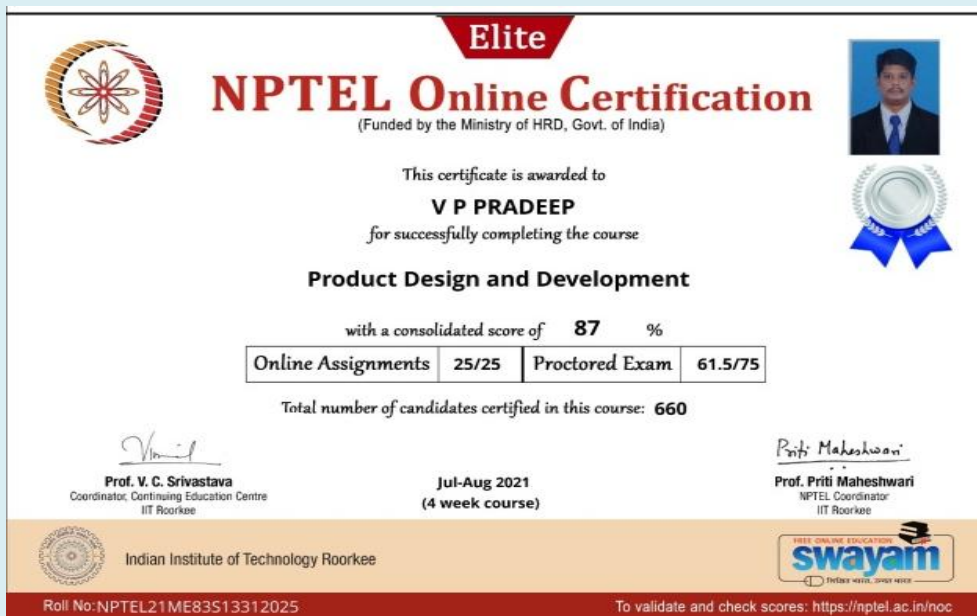
Jul-Aug 2021  
 (4 week course)

Prof. Priti Maheshwari  
 NPTEL Coordinator  
 IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL21ME83S13310438 To validate and check scores: <https://nptel.ac.in/noc>



**Elite**  
**NPTEL Online Certification**  
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**V P PRADEEP**  
 for successfully completing the course  
**Product Design and Development**  
 with a consolidated score of **87** %

Online Assignments	25/25	Proctored Exam	61.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **660**

Prof. V. C. Srivastava  
 Coordinator, Continuing Education Centre  
 IIT Roorkee

Jul-Aug 2021  
 (4 week course)

Prof. Priti Maheshwari  
 NPTEL Coordinator  
 IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL21ME83S13312025 To validate and check scores: <https://nptel.ac.in/noc>

**MoU & COLLABORATION**

S. No.	Industry	MoU signing date
1	IMIK Technologies, Coimbatore	26.11.2021



## **STUDENTS ACTIVITIES**

### **✚ E-BIKE FABRICATED BY MECHANICAL STUDENTS**

E-bikes are bikes with a battery-powered motor assisting the rider. With sales rising rapidly in many countries, e-bikes are likely to become a key component of a transition towards a low-carbon mobility. However, there is a scarcity of research into either the similarities or the differences between the practice of e-bike and conventional bikes. Dr.N. G. P. Institute of Technology, Department of Mechanical Engineering students have made an attempt in fabricating the Electric bike called “GRAVITRON” This bike is created to full fill the dream of youth. Existing E-Bikes don’t have liquid cooling system, unlike them this bike is featured with “Liquid Cooling System”, with this feature max-performance could be produced continuously. GRAVITRON is an Eco-friendly bike which could reach speeds up to 80km/hr, with the range of 50 kilometers in a full charge. And it could be fully charged within 2.5 hours.



### **✚ ACHIEVEMENT IN SPORTS**

Nepal youth sports development forum conducted an Indo-Nepal International Championship Cricket Tournament during April 2021. In this tournament **Mr.S.Haribaskar**, Third year Mechanical Engineering student of Dr N.G.P.I TECH, participated. His team won the tournament under Super Senior Category. The candidate secured Gold Medal and received Form 1 certificate for his career development.



**✚ AWARD WINNING IN SAE EVENT**

Department of Mechanical Engineering, happy to share that the students of the Society of Automotive Engineers (SAE) of our Collegiate Club bagged the First Runner-up Trophy & Cash Prize (out of 32 teams from all over India) in the Online V-Kart National Championship 2021. Team Loose screws designed E-Kart; Attended the Virtual Business Plan Presentation & Design Validation; bagged First Runner-up position.



**✚ INTERNSHIP/INPLANT TRAINING**

S.No	Student Name	IPT/Inter nship	Year	Company	Place	Duration
1	Yaswant Kumar K.P	Internship	III	Mechathon Engineering	Kanchipuram	21.06.2021 to 20.08.2021
2	Prasanth S	Internship	IV	INSTA3D Technologies	Coimbatote	02.08.2021 to 14.08.2021
3	Prasath C	Internship	IV	INSTA3D Technologies	Coimbatote	02.08.2021 to 14.08.2021
4	Pon Bala Siva Sankar N	Internship	IV	INSTA3D Technologies	Coimbatote	02.08.2021 to 14.08.2021
	Surya R	Internship	IV	INSTA3D Technologies	Coimbatote	02.08.2021 to 14.08.2021
5	Prasath C	Internship	IV	UNIQ Technologies	Coimbatote	14.09.2021 to 29.09.2021
6	Prasanth S	Internship	IV	UNIQ Technologies	Coimbatote	14.09.2021 to 29.09.2021
7	Pon Bala Siva Sankar N	Internship	IV	UNIQ Technologies	Coimbatote	14.09.2021 to 29.09.2021
8	Surya R	Internship	IV	UNIQ Technologies	Coimbatote	14.09.2021 to 29.09.2021

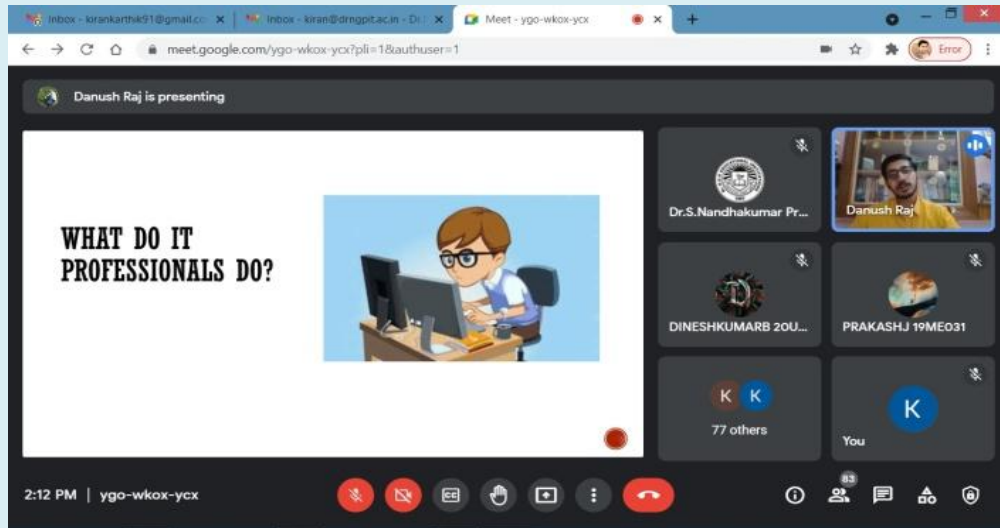
9	Raashid Ahmed J	Internship	IV	UNIQ Technologies	Coimbatote	29.09.2021 to 20.10.2021
10	Raj Kumar K	Internship	IV	UNIQ Technologies	Coimbatote	29.09.2021 to 20.10.2021
11	Vasudevan.A	Internship	IV	UNIQ Technologies	Coimbatote	29.09.2021 to 20.10.2021
12	Vimalesh Gopal R.K	Internship	IV	UNIQ Technologies	Coimbatote	25.10.2021 to 13.11.2021
13	Gowthaman S	Internship	IV	UNIQ Technologies	Coimbatote	25.10.2021 to 13.11.2021
14	Deen Pradeeman R	Internship	IV	UNIQ Technologies	Coimbatote	25.10.2021 to 13.11.2021
15	Manoj D	Internship	IV	UNIQ Technologies	Coimbatote	25.10.2021 to 13.11.2021

### **ALUMNI LECTURE SERIES**

S. No.	Name of the Alumni	Date	Title & Beneficiaries	Venue & Time
1	Mr. Kasinathan P Proprietor VAIMAN Engineering Company, Palladam, Tamil Nadu.	13.11.2021	Importance of Startup in Young Engineers & 39	Lecture hall : 212 D-Block & 11.00 am
2	Mr. J Mathew Emmanuel HIROTEC INDIA Pvt Ltd Coimbatore, Tamil Nadu.	13.11.2021	Implementation of Industry 4.0 in Automobile Sector and its Challenges & 45	Lecture hall : 219 D-Block & 10.00 am
3	Mr.J.Viswaaswaran TATA Consultancy Service, Bangalore, Karnataka.	11.09.2021	Career Development and Opportunities after Engineering & 85	Online Mode through Google Meet & 02.00 PM
4	Mr.D.Danush Raj Business Analyst -Management Trainee TATA Consultancy Service, Chennai, TamilNadu.	14.08.2021	Importance of Programming and Coding for Mechanical Engineers & 102	Online Mode through Google Meet & 02.00 PM







## **PUBLISHED BY**

Department of Mechanical Engineering

Dr. N.G.P. Institute of Technology

Kalapatti Road, Coimbatore-641048.

Phone: (0422) 2369105, Website: [www.drngpit.ac.in](http://www.drngpit.ac.in)

## **CHIEF EDITORS**

1. Dr.S.U.PRABHA M.E., Ph.D.,  
Principal, Dr. N.G.P. Institute of Technology
2. Dr.S.Nandhakumar M.E., Ph.D.,  
Professor & Head (i/c), Department of Mechanical Engineering,  
Dr. N.G.P. Institute of Technology

## **EDITORS**

1. Mr.A.G.KARTHIKYAN M.E.,  
Assistant Professor, Department of Mechanical Engineering,  
Dr. N.G.P. Institute of Technology

## **STUDENT COORDINATORS**

1. Mr. K. Koushik raj/IV Mech
2. Mr.B.Gokulkrishnan/III Mech
3. Mr.B.R.Kannan/II Mech