6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years

As per DVV Clarification under the metrics 6.3.4.1, the documents such as Brochures, and Annual reports for all the academic years 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20 attested by Principal is enclosed.

Academic Year	Page. No
2015-2016	2-5
2016-2017	6-13
2017-2018	14-28
2018-2019	29-41
2019-2020	42-49

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

One Week
FDP Programme
On
"INDUSTRIAL ROBOTICS AND AUTOMATION"
19th Oct 2015 to 25th Oct 2015

REGISTRATION FORM

Full Name:...

Designation: ....

Department: ....

Institution: ....

Address: ....

....

....

E-mail   :

Mobile   :

Registration Category: Faculty/ Research Scholar /
Student

Payment Details :

Name of the Bank :...

Branch and IFSC :..

DD No:...

DD Date:...

Signature and Seal   **Signature of the**
(Head of the Institution)   **Applicant**

Organizing Committee

Chief Patron
Alhaj. Er.A. Mohamed Yunus, B.E.,M.Sc.,(Engg)
Founder & Chairman

Organizing Chair & Convener:

Dr.S. Guharaja,Ph.D.
Principal

Joint Organizing Secretary
Dr.A. Kumaravadivel
Professor /Mech

Important Dates

Receipt of Registration   : 12-10-2015

Confirmation by Participants   : 14-10-2015

Address for Correspondence

The Convener
MIET Engineering College
Gundur, Trichy – 620 007

Mobile   : 9443850603
Email-id   : mech.hod@miet.edu

Organized by

Department of Mechanical Engineering

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS

M.I.E.T ENGINEERING COLLEGE
GUNDUR, TRICHY – 620 007

Phone : 0431-2660 303, 2660922
Email: contact@miet.edu
Web   : www.miet.edu

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

About the Institution

The M.I.E.T. Society founded by Janab Alhaj. Er. A. Mohamed Yunus, an industrialist and educationalist and Alhaj S.M. Hassan Mohamed in the year 1984, offers high quality education in an under developed rural and semi-urban region of Tamil Nadu. This society runs the M.I.E.T. Polytechnic College established in the year 1984, the M.I.E.T. Arts and Science College established in 1993 and M.I.E.T. Engineering College in the year 1998 in one campus. The Institution is focused on providing a vibrant and research oriented environment for students so as to give them an edge when facing challenging technologies and competition in their academic pursuits. The institution offers six B.E./B.Tech. Degree programmes and five M.E/M.Tech. Degree programmes in addition to MBA. The college campus has a well-planned network of blocks with various amenities such as Nationalized Bank, modern Central Library, well equipped laboratories, excellent hostel facilities, well-furnished canteen and sports facilities.

About the Department-MECH

Mechanical Engineering is one of the core fields of Engineering covering Thermal, Design, Manufacturing, Quality Assurance, Maintenance and Management streams. M.I.E.T. offers UG and PG education for creative thinking, product or system designing, ability to overcome constraints and provides effective teamwork with professional ethics. These valuable skills could launch a career in automobile, aerospace, banking, finance, consulting, management, and so on.Our Mechanical department has appropriate infrastructure to offer quality education and training through state of art technology with well

equipped laboratory facilities and also has dedicated, qualified and experienced faculty members in different specialization. Research and Development Centre is the iconic feature of our Mechanical Department. It is evident that the department has been recongized as a Research Center by Anna University,Chennai. Fittingly,the department was accredited by National Board of Accreditation (NBA),New Delhi.

THEME OF THE FDP

- History of robots
- Generations of Robots
- Robotics system components
- Classification of Robot
- Robot Anatomy
- Robotic Arm Configuration
- Robot work Volume
- Sensor and Transducer
- Features of sensor
- Types of sensor
- Axis of acceleration
- Sensing and Digitizing Image data
- Robot Programming and Gripper
- Kinematics and path Planning
- Industrial robot
- Robot Programming
- Trajectory planning in Robotics

FDP Preamble

This One week FDP would enlighten the participants about Industrial uses of Robot.

Resource Persons

Dr. Porpatham. E
VIT University, Vellore.

Dr.Bibhuti Bhusan Sahoo
VIT University, Vellore.

Dr. V.R.Sarma Dhulipala
University College of Engineering, (BIT) Campus, Trichy.

Target Participants

Faculty members and students from AICTE approved Engineering Colleges, research scholars, participants from industries and R&D organization with relavant background can apply.

Registration Fee Details

Faculty / Research Scholar / UG and
PG Students   : Rs.500/-
Industrial and R&D delegates   : Rs.750/-

The registration fee includes refreshments, lunch and kit.

The registration fee should be paid through DD drawn in favor of "The Principal, M.I.E.T. Engineering College" Payable at Trichy.

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2015-2016

Report on Industrial robotics and Automation

Industrial robotics is a big industry and it changes quickly. The technology has changed dramatically in the past few decades, as has the volume and variety of deployments. For those who are new to the industrial robotics industry, it may seem difficult to find a starting point. A broad overview of the types and benefits of automation can provide a basic understanding of industrial robotics technology and the growing robotics industry.

It is a rich tradition at M.I.E.T. Engineering College, Trichy to begin the academic year with Faculty Development Programs to orient the teachers towards adopting effective teaching and learning practices. The department of Mechanical Engineering hosted a FDP on "Industrial robotics and Automation "conducted by Eminent Professors Dr. Porpatham. E, VIT University, Vellore, Dr. Bibhuti Bhusan Sahoo, VIT University, Vellore, Dr. V. R. Sarma Dhulipala, University College of Engineering, (BIT) Campus, Trichy from 19.10.2015 to 25.10.2015 as a part of the Faculty Development Programme for faculty members of M. I. E. T. Engineering College and the faculties from affiliated colleges of Anna University, Chennai . The session began with a special prayer rendered by Mr. M. K. Mohamed Faizal for the well being of the teachers which was followed by Prof. M. Dhandayuthabani's key note address which emphasized on the industrial robotics need in the automation of industries. Then Dr. A. Kumaravadivel, HoD, Department of Mechanical Engineering in his welcome address reiterated the unarguable importance of automating the industrial robots.

The main **objectives** of Industrial robotics and Automation are as follows

- Analyze the manipulator design including actuator, drive and sensor issues.

- Calculate the forward kinematics, inverse kinematics and Jacobian for serial and parallel robots.

- Identify different types of end effectors and sensors required for specific applications.

- Discuss various applications of industrial robot systems.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

MIET
INSTITUTIONS
Since 1984

M.I.E.T. ENGINEERING COLLEGE
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

The following topics were covered during the 7 days Faculty Development Program,

- History of robots.
- Generations of Robots.
- Robotics system components.
- Classification of Robot.
- Robot Anatomy.
- Robotic Arm Configuration.
- Robot work Volume.
- Sensor and Transducer.
- Features of sensor.
- Types of sensor.
- Axis of acceleration.
- Sensing and Digitizing Image data.
- Robot Programming and Gripper.
- Kinematics and path Planning.
- Industrial robot.
- Robot Programming.
- Trajectory planning in Robotics.

Outcomes:

- The faculties were able to clearly understand the importance of industrial robots and its automation in the industries.

- The faculties were able to model the robots for the specific needs.

- The faculties were able to analyze the manipulator design including actuator, drive and sensor issues.

- The faculties were able to develop programming principles and languages for a robot control system.

PRINCIPAL

One Week
FDP Programme
On
"ENTREPRENEURSHIP"
04th Nov 2016 to 17th Nov 2016

REGISTRATION FORM

Full Name:..

Designation: ....

Department: ....

Institution: ....

Address: ....

....

....

E-mail   :

Mobile   :

Registration Category: Faculty/ Research Scholar /
Student

Payment Details :

Name of the Bank :..

Branch and IFSC :..

DD No:...

DD Date:...

Signature and Seal   **Signature of the**
(Head of the Institution)   **Applicant**

Organizing Committee

Chief Patron
Alhaj. Er.A. Mohamed Yunus, B.E.,M.Sc.,(Engg)
Founder & Chairman

Organizing Chair & Convener:

Dr.S. Guharaja,Ph.D.
Principal

Joint Organizing Secretary

Mr. G. Sathish Kumar
Assistant Professor /MBA

Important Dates

Receipt of Registration   : 25-10-2016

Confirmation by Participants   : 27-10-2016

Address for Correspondence

The Convener
MIET Engineering College
Gundur, Trichy – 620 007

Mobile   : 9659335788
Email-id   : mba.hod@miet.edu

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS

M.I.E.T ENGINEERING COLLEGE
GUNDUR, TRICHY – 620 007

Phone : 0431-2660 303, 2660922
Email: contact@miet.edu
Web   : www.miet.edu

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

About the Institution

The M.I.E.T. Society founded by Janab Alhaj. Er. A. Mohamed Yunus, an industrialist and educationalist and Alhaj S.M. Hassan Mohamed in the year 1984, offers high quality education in an under developed rural and semi-urban region of Tamil Nadu. This society runs the M.I.E.T. Polytechnic College established in the year 1984, the M.I.E.T. Arts and Science College established in 1993 and M.I.E.T. Engineering College in the year 1998 in one campus. The Institution is focused on providing a vibrant and research oriented environment for students so as to give them an edge when facing challenging technologies and competition in their academic pursuits. The institution offers six B.E./B.Tech. Degree programmes and five M.E/M.Tech. Degree programmes in addition to MBA. The college campus has a well-planned network of blocks with various amenities such as Nationalized Bank, modern Central Library, well equipped laboratories, excellent hostel facilities, well-furnished canteen and sports facilities.

About the Department-MBA

Master of Business Administration (MBA) is a two year program affiliated to Anna University and approved by AICTE, New Delhi was started during the academic year 2009-10. The mission to develop Management Professionals with excellence is achievable due to stupendous care, discipline, elevated academic standards, value based education system and state of the art infrastructure that are accessible in the Department.The overall aim of our MBA department is to groom innovation, creativity and problem solving skills among the budding

managers to transform them into employable assets in the competitive corporate world. This program also equips students pilot the business world and renovate them to be the managers and leaders in the industry. The students are also developed to tackle complex business challenges and opportunities. Customary evaluation of teaching methods and in house training to faculty members craft the MBA Department to achieve the academic excellence.

THEME OF THE FDP

- Risk Bearing
- Innovation
- Managerial Skill
- Creative and Leadership
- High Achievement Concept
- Professional
- Organisation and Coordination
- Business Oriented Concept
- Result Oriented Concept
- Personality and Identity
- Role transformation

FDP Preamble

This One week FDP would enlighten the participants about taking on financial risks in the hope of profit.

Resource Persons

Dr.P.J.Charumathy
Justice Basheer Ahamed Sayeed College for Women, Chennai

Dr. Lakshmi Kumari
IFMR, Chennai.

Dr. Amy Mowl
IFMR, Chennai.

Target Participants

Faculty members and students from AICTE approved Engineering Colleges, research scholars, participants from industries and R&D organization with relavant background can apply.

Registration Fee Details

Faculty / Research Scholar / UG and PG Students	: Rs.500/-
Industrial and R&D delegates	: Rs.750/-

The registration fee includes refreshments, lunch and kit.

The registration fee should be paid through DD drawn in favor of "The Principal, M.I.E.T. Engineering College" Payable at Trichy.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

MIET
INSTITUTIONS
Since 1984

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2016-2017

Report on Entrepreneurship

Entrepreneurs are the innovators that stimulate job growth, economic growth and development that allows any country to compete with and in the global economy. India, being far more developed and forward looking country than some of the third world countries, can provide lead to entrepreneurial development activities. The purpose of exposing the students to entrepreneurship is to motivate them to look at entrepreneurship as a viable, lucrative and preferred career. Entrepreneurs require a foundation in several key areas in order to be successful. This course will focus on multiple topics including: opportunities and challenges for new ventures, benefits/drawbacks of entrepreneurship, strategic management and forms of business ownership, marketing strategies, venture finance and human resource management.

We use a broader definition and scope of entrepreneurial activity, segmenting all entrepreneurial activity into seven types of entrepreneurs: small business and lifestyle, franchise, professional fast growth and serial, corporate, creative disrupters and innovators, extreme, and social and nonprofit.

It is a rich tradition at M.I.E.T. Engineering College, Trichy to begin the academic year with Faculty Development Programs to orient the teachers towards adopting effective teaching and learning practices. The department of Business Administration (MBA) hosted a FDP on "Entrepreneurship "conducted by Eminent Professors Dr. P. J. Charumathy, Justice Basheer Ahamed Sayeed College for Women, Chennai, Dr. Lakshmi Kumari, IFMR, Chennai, Dr. Amy Mowl, IFMR, Chennai from 04.11.2016 to 17.11.2016 as a part of the Faculty Development Programme for faculty members of M. I. E. T. Engineering College and the faculties from affiliated colleges of Anna University, Chennai. The session began with a special prayer rendered by Mr. M. K. Mohamed Faizal for the well being of the teachers which was followed by Prof. C. R. Surekha's key note address which emphasized on the importance of entrepreneurship.

The main **objectives** of Entrepreneurship FDP programme are the faculties acquire necessary knowledge and skills required for organizing and carrying out entrepreneurial activities, to develop the ability of analysing and understanding business situations in which entrepreneurs act and to master the knowledge necessary to plan entrepreneurial activities. The objective of the course is, further on, that the students develop the ability of analysing various aspects of entrepreneurship – especially of taking over the risk, and the specificities as well as the pattern of entrepreneurship development and, finally, to contribute to their entrepreneurial and managerial potentials..

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
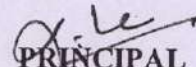Website: - www.miet.edu

Ph: 0431 – 2660 303

The following topics were covered during the 14 days Faculty Development Program,

- Risk Bearing
- Innovation
- Managerial Skill
- Creative and Leadership
- High Achievement Concept
- Professional
- Organisation and Coordination
- Business Oriented Concept
- Result Oriented Concept
- Personality and Identity
- Role transformation

Outcomes:

- Have the ability to discern distinct entrepreneurial traits.

- Know the parameters to assess opportunities and constraints for new business ideas.

- Understand the systematic process to select and screen a business idea.

- Design strategies for successful implementation of ideas.

- Write a business plan.

PRINCIPAL

PRINCIPAL
M.I.E.T. ENGINEERING COL
GUNDUR, TIRUCHIRAPPALLI-620 0

One Week FDP Programme
On
"IoT AND APPLICATIONS"
17th APRIL 2017 to 23rd April 2017

REGISTRATION FORM

Full Name:...

Designation: ....

Department: ....

Institution: ....

Address: ....

....

....

E-mail   :

Mobile   :

Registration Category: Faculty/ Research Scholar / Student

Payment Details :

Name of the Bank :..

Branch and IFSC :..

DD No:..

DD Date:...

Signature and Seal   Signature of the
(Head of the Institution)   Applicant

Organizing Committee

Chief Patron
Alhaj. Er.A. Mohamed Yunus, B.E.,M.Sc.,(Engg)
Founder & Chairman

Organizing Chair & Convener:

Dr.S. Guharaja,Ph.D.
Principal

Joint Organizing Secretary

Mr. R. Venkatesan
Assistant Professor /CSE

Important Dates

Receipt of Registration   : 10-04-2017

Confirmation by Participants   : 12-04-2017

Address for Correspondence

The Convener
MIET Engineering College
Gundur, Trichy – 620 007

Mobile   : 9600077989
Email-id   : cse.hod@miet.edu

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS

M.I.E.T ENGINEERING COLLEGE
GUNDUR, TRICHY – 620 007

Phone : 0431-2660 303, 2660922
Email: contact@miet.edu
Web   : www.miet.edu

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

About the Institution

The M.I.E.T. Society founded by Janab Alhaj. Er. A. Mohamed Yunus, an industrialist and educationalist and Alhaj S.M. Hassan Mohamed in the year 1984, offers high quality education in an under developed rural and semi-urban region of Tamil Nadu. This society runs the M.I.E.T. Polytechnic College established in the year 1984, the M.I.E.T. Arts and Science College established in 1993 and M.I.E.T. Engineering College in the year 1998 in one campus. The Institution is focused on providing a vibrant and research oriented environment for students so as to give them an edge when facing challenging technologies and competition in their academic pursuits. The institution offers six B.E./B.Tech. Degree programmes and five M.E/M.Tech. Degree programmes in addition to MBA. The college campus has a well-planned network of blocks with various amenities such as Nationalized Bank, modern Central Library, well equipped laboratories, excellent hostel facilities, well-furnished canteen and sports facilities.

About the Department-CSE

Computer Science and Engineering department offers both Under Graduate programme – B.E in Computer Science & Engineering and Post Graduate programs – M.E in Computer Science and Engineering. The UG department was established in the institution during the year 1998, with the intake of 40 and increased to 90 in the year 2004. PG was started in 2006 with the intake of 18. The Computer Science & Engineering department is committed to continuously improve the quality of education by enhancing the knowledge of student and staff members.

The department is strengthened with dedicated, qualified and experienced faculty members with specialization in various fields of interest. It is well equipped with laboratories having the latest configurations and software tools with Internet facilities. The Department has a comprehensive curriculum of Anna University on topics related to all aspects of Computer Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments. The department presents a unique opportunity to study the exciting field with guidance of quality teachers.

THEME OF THE FDP

- Introduction to IoT
- Working Principle of IoT
- Features of IoT
- Advantages of IoT
- Embedded Devices and System
- IoT Eco system
- IoT Decission Framework
- IoT Domains
- IoT Devices
- IoT Platforms
- IoT Communication
- IoT and Arduino

FDP Preamble

This One week FDP would enlighten the participants about the network of physical objects that are embedded with sensors, software, and other technologies.

Resource Persons

Dr.S. Prabu
VIT University, Vellore.

Dr. Swarnalatha
VIT University, Vellore.

Dr. AnnaPoorani
BIT Campus, Anna university, Trichy

Target Participants

Faculty members and students from AICTE approved Engineering Colleges, research scholars, participants from industries and R&D organization with relavant background can apply.

Registration Fee Details

Faculty / Research Scholar / UG and
PG Students : Rs.500/-
Industrial and R&D delegates : Rs.750/-

The registration fee includes refreshments, lunch and kit.

The registration fee should be paid through DD drawn in favor of "The Principal, M.I.E.T. Engineering College" Payable at Trichy.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2016-2017

Report on IoT and Applications

Unlike traditional cyber systems, which connect general-purpose computers, IoT systems often link together highly specialized devices designed for specific purposes with only a limited degree of programmability and customizability. In addition, IoT systems often store and process data in a distributed manner, in contrast to the highly centralized approach of consolidating storage and computing power in large data centers. In addition, IoT systems are sometimes called cyber-physical systems, because unlike purely cyber systems, they also include sensors that collect data from the physical world.

The distributed nature and the presence of physical sensors create both new opportunities and vulnerabilities from the standpoint of security and privacy. To date, however, the industry, end-users and the academic community have only just begun to appreciate what the burgeoning deployment of this technology might mean and to study how to prepare for the challenges posed by this new technological environment

It is a rich tradition at M.I.E.T. Engineering College, Trichy to begin the academic year with Faculty Development Programs to orient the teachers towards adopting effective teaching and learning practices. The department of Computer Science and Engineering hosted a FDP on "IoT and Application"conducted by Eminent Professors Dr. S. Prabu, VIT University, Vellore. Dr. Swarnalatha, VIT University, Vellore, Dr. AnnaPoorani, BIT Campus, Anna university, Trichy from 17.04.2017 to 23.04.2017 as a part of the Faculty Development Programme for faculty members of M. I. E. T. Engineering College and the faculties from affiliated colleges of Anna University, Chennai. The session began with a special prayer rendered by Mr. M. K. Mohamed Faizal for the well being of the teachers which was followed by Prof. R. Venkatesan's key note address which emphasized on the importance of Internet of Things and its applications.

The main **objectives** of Internet of Things and Applications FDP programme are to enable to build an IoT system from the ground up. Note, this is an IoT system; as you'll learn, there's extensive variety insofar as what an IoT system can be. That said, during this course, you'll learn the various kinds of IoT systems that you'll encounter and build one using representative technologies.

The following topics were covered during the 7 days Faculty Development Program,
- Introduction to IoT
- Working Principle of IoT
- Features of IoT
- Advantages of IoT

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007
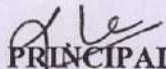
M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

- Embedded Devices and System
- IoT Eco system
- IoT Decision Framework
- IoT Domains
- IoT Devices
- IoT Platforms
- IoT Communication
- IoT and Arduino

Outcomes:

- Describe what IoT is and how it works today
- Recognise the factors that contributed to the emergence of IoT
- Design and program IoT devices
- Use real IoT protocols for communication
- Secure the elements of an IoT device
- Design an IoT device to work with a Cloud Computing infrastructure.
- Transfer IoT data to the cloud and in between cloud providers
- Define the infrastructure for supporting IoT deployments

PRINCIPAL

PRINCIPAL
M.I.E.T. ENGINEERING CO
GUNDUR, TIRUCHIRAPPALLI-620 007

Electrical /Electronics/Communications Engg

① Optimal Control
Prof. Barjeev Tyagi
IIT Roorkee
●●

② Microwave Integrated Circuits
Prof. Jayanta Mukherjee
IIT Bombay
●●

③ Principles of Communication Systems: Part – II
Prof. Aditya K. Jagannatham
IIT Kanpur
●●

④ Estimation for Wireless Communications – MIMO/OFDM Cellular and Sensor Networks
Prof. Aditya K. Jagannatham
IIT Kanpur
●●

⑤ Design for Internet of Things
Prof. TV Prabhakar
IISc
●●

⑥ Photonic Integrated Circuits
Prof. T. Srinivas
IISc
●●

⑦ Satellite Communication
Prof. Kalyan Kumar Bandyopadhyay
IIT Kharagpur
●●

⑧ Analog Circuits and Systems through SPICE Simulation
Prof. Mrigank Sharad
IIT Kharagpur
●●

⑨ An Introduction to Information Theory
Prof. Adrish Banerjee
IIT Kanpur
●●

⑩ Advances in UHV Transmission and Distribution
Prof. Subba Reddy B
IISc
●●

⑪ Introduction to Wireless and Cellular Communications
Prof. David Kovil Pillai
IIT Madras
●●

⑫ Control Engineering
Prof. Ramkrishna.P
IIT Madras
●●

⑬ Basic Electrical Circuits
Prof. Nagendra Krishnapura
IIT Madras
●●

⑭ Analog Circuits
Prof. Nagendra Krishnapura
IIT Madras
●●

⑮ Networks and systems
Prof. Andrew Thangaraj and Prof.C.S.Ramalingam
IIT Madras
●●

⑯ Applied Electromagnetics for Engineers
Prof. Pradeep Kumar K
IIT Kanpur
●●

⑰ Computational Electromagnetics & Applications
Prof. Dr. Krish Sankaran
University of Vaasa, Finland
●●

⑱ Enclosure Design of Electronics Equipment
Prof. N. V Chalapathi Rao
IISc
●●

⑲ Design of Photovoltaic Systems
Prof. L Umanand
IISc
●●

⑳ Power System Analysis
Prof. Debapriya Das
IIT Kharagpur
●●

㉑ Industrial Instrumentation
Prof. Alok Barua
IIT Kharagpur
●●

㉒ Electrical Machines – 1
Prof. D. Kastha and Prof. Suman Maiti
IIT Kharagpur
●●

㉓ Analog Communication
Prof. Goutam Das
IIT Kharagpur
●●

㉔ Modern Digital Communication Techniques
Prof. Suvra Sekhar Das
IIT Kharagpur
●●

㉕ Digital Speech Processing
Prof. Shyamal Kumar Das Mandal
IIT Kharagpur
●●

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

● Exam Date: **Sept 24, 2017**
● Exam Date: **Oct 22, 2017**
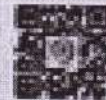
● 4 Weeks July to Aug	● 8 Weeks July to Sept	● 12 Weeks July to Oct	● 4 Weeks Aug to Sept	● 8 Weeks Aug to Oct

* ENROLLMENT IS FREE!! *

Humanities and Social Sciences

(1) Technical English for Engineers
Prof. Aysha Iqbal
IIT Madras
●●

(2) Literature for Competitive Exams
Prof. Aysha Iqbal
IIT Madras
●●

(3) Cognition, Transformation and Lives
Prof. Alok Bajpai
IIT Kanpur
●●

(4) Visual Perception and Art: A Survey Across the Cultures
Prof. Soumik Nandy Majumdar
Visva Bharati University, Santiniketan
●●

(5) Introduction to Basic Cognitive Processes
Prof. Ark Verma
IIT Kanpur
●●

(6) Gender and Literature
Prof. Avishek Parui
IIT Guwahati
●●

(7) Introduction to Psychology
Prof. Braj Bhushan
IIT Kanpur
●●

(8) Developing Soft Skills and Personality
Prof. T. Ravichandran
IIT Kanpur
●●

(9) Educational Leadership
Prof. Atasi Mohanty
IIT Kharagpur
●●

(10) Soft Skills
Prof. Binod Mishra
IIT Roorkee
●●

(11) Applied Linguistics
Prof. Rajesh Kumar
IIT Madras
●●

(12) Science, Technology and Society
Prof. Sambit Mallick
IIT Guwahati
●●

(13) Ecology and Society
Prof. Ngamjahao Kipgen
IIT Guwahati
●●

(14) History of English Language and Literature
Prof. Merin Simi Raj
IIT Madras
●●

(15) Human Resource Development
Prof. K.B.L. Srivastava
IIT Kharagpur
●●

Multidisciplinary

(1) Biology for Engineers and other Non-Biologists
Prof. G.K.Suraishkumar and Prof.Madhulika Dixit
IIT Madras
●●

(2) Outcome based Pedagogic Principles for Effective Teaching
Prof. Shyamal Kumar Das Mandal & Dr. Tamali Bhattacharyya
IIT Kharagpur
●●

(3) Introduction to Research
Prof. Prathap Haridoss
IIT Madras
●●

(4) Health Research Fundamentals
Multi Faculty
NIE
●●

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

● Exam Date: **Sept 24, 2017**	**4 Weeks** July to Aug	**8 Weeks** July to Sept	**12 Weeks** July to Oct	**4 Weeks** Aug to Sept	**8 Weeks** Aug to Oct	*** ENROLLMENT IS FREE!! ***
● Exam Date: **Oct 22, 2017**						

Mathematics

(1) Nonlinear Programming
Prof. S. K Gupta
IIT Roorkee
●●

(2) Numerical Methods
Prof. Ameeya Kumar Nayak and
Prof. Sanjeev Kumar
IIT Roorkee
●●

(3) Introduction to R Software
Prof. Shalabh
IIT Kanpur
●●

(4) Differential Equations
Prof. Srinivasa Manam
IIT Madras
●●

(5) Integral Equations, Calculus of Variations and its Applications
Prof. P.N.Agrawal
Prof. D.N.Pandey
IIT Roorkee
●●

(6) Measure Theory
Prof. Inder Kumar Rana
IIT Bombay
●●

(7) Numerical Analysis
Prof. R. Usha
IIT Madras
●●

(8) Constrained and Unconstrained Optimization
Prof. A Goswami &
Prof.Debjani Chakraborty
IIT Kharagpur
●●

(9) Regression Analysis
Prof. Soumen Maity
IISER Pune
●●

(10) Calculus of One Real Variable
Prof. Joydeep Dutta
IIT Kanpur
●●

(11) Graph Theory
Prof. Soumen Maity
IISER Pune
●●

Management

(1) Marketing Research and Analysis
Prof. J.K.Nayak
IIT Roorkee
●●

(2) Corporate Social Responsibility
Prof. Aradhna Malik
IIT Kharagpur
●●

(3) Decision Modeling
Prof. Biswajit Mahanty
IIT Kharagpur
●●

(4) Gender Justice and Workplace Security
Prof. Dipa Dube
IIT Kharagpur
●●

(5) Operations and Supply Chain
Prof. G. Srinivasan
IIT Madras
●●

(6) Patent Law for Engineers and Scientists
Prof. Feroze Ali
IIT Madras
●●

(7) Project Management for Managers
Prof. Mukesh Kumar Barua
IIT Roorkee
●●

(8) Total Quality Management – I
Prof. Raghu Nandan Sengupta
IIT Kanpur
●●

(9) E-Business
Prof. Mamata Jenamani
IIT Kharagpur
●●

(10) Six Sigma
Prof. T. P. Bagchi &
Prof. Jitesh J Thakkar
IIT Kharagpur
●●

(11) Introduction to Data Analytics
Prof. Nandan Sudarsanam and
Prof. Balaraman Ravindran
IIT Madras
●●

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

● Exam Date: **Sept 24, 2017**
● Exam Date: **Oct 22, 2017**

| ● 4 Weeks July to Aug | ● 8 Weeks July to Sept | ● 12 Weeks July to Oct | ● 4 Weeks Aug to Sept | ● 8 Weeks Aug to Oct |

* ENROLLMENT IS FREE!! *

Mechanical/Industrial/Materials science and Engineering

1 — **Fluid Dynamics and Turbomachines**
Prof. Dhiman Chatterjee and Prof.Shamit Bakshi
IIT Madras

2 — **Foundation of Computational Fluid Dynamics**
Prof. S. Vengadesan
IIT Madras

3 — **Nature and Properties of Materials**
Prof. Bishakh Bhattacharya
IIT Kanpur

4 — **Energy Conservation and Waste Heat Recovery**
Prof. PK Das & Prof. A Bhattacharya
IIT Kharagpur

5 — **Modelling and Simulation of Descrete Event System**
Prof. P. Kumar Jha
IIT Roorkee

6 — **Polymer And Polymer Composites**
Prof. Inderdeep Singh
IIT Roorkee

7 — **Fundamentals of Material Processing – I**
Prof. Shashank Shekhar
IIT Kanpur

8 — **Refrigeration and Air-Conditioner**
Prof. Ravi Kumar
IIT Roorkee

9 — **Manufacturing of Composites**
Prof. J. Ramkumar
IIT Kanpur

10 — **Spur and Helical Gear Cutting**
Prof. Asimava Roy Choudhury
IIT Kharagpur

11 — **Laws of Thermodynamics**
Prof. S.K Som & Prof.Suman Chakraborty
IIT Kharagpur

12 — **Heat Treatment and Surface Hardening – II**
Prof. Kallol Mondal & Prof. Sandeep Sangal
IIT Kanpur

13 — **Steel Quality : Role of Secondary Refining & Continuous Casting**
Prof. Santanu Kr. Ray
IIT Madras

14 — **Sustainability through Green Manufacturing Systems: An Applied Approach**
Prof. Deepu Philip & Prof. Amandeep Singh
IIT Kanpur

15 — **Phase Transformation in Materials**
Prof. Krishanu Biswas
IIT Kanpur

16 — **Fundamentals of Manufacturing Processes**
Prof. D. K. Dwivedi
IIT Roorkee

17 — **Noise Management & Control**
Prof. Nachiketa Tiwari
IIT Kanpur

18 — **Engineering Fracture Mechanics**
Prof. K.Ramesh
IIT Madras

19 — **Micro and Nano Scale Energy Transport**
Prof. Arvind Pattamatta
IIT Madras

20 — **Applied Ergonomics**
Prof. Shantanu Bhattacharya & Prof. A. Gupta
IIT Kanpur

21 — **Mathematical Methods in Engineering and Science**
Prof. Bhaskar Dasgupta
IIT Kanpur

22 — **Electron Diffraction and Imaging**
Prof. Sundararaman. M
IIT Madras

23 — **Acoustic and Noise Control**
Prof. Abijith Sarkar
IIT Madras

24 — **X-ray Crystallography & Diffraction**
Prof. Ranjit Kumar Ray
IIEST Shibpur

25 — **Manufacturing System Technology I & II**
Prof. Shantanu Bhattacharya
IIT Kanpur

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

● Exam Date: **Sept 24, 2017**
● Exam Date: **Oct 22, 2017**

4 Weeks July to Aug
8 Weeks July to Sept
12 Weeks July to Oct
4 Weeks Aug to Sept
8 Weeks Aug to Oct

* ENROLLMENT IS FREE!! *

HUMANITIES AND SOCIAL SCIENCES

1st WEEK / JAN 22, 2018

- AN INTRODUCTION TO MICROECONOMICS
- SOCIOLOGICAL PERSPECTIVES ON MODERNITY
- INTRODUCTION TO COGNITIVE PSYCHOLOGY
- PATENT LAW FOR ENGINEERS AND SCIENTISTS

8 WEEKS / FEB 05, 2018

- EMOTIONAL INTELLIGENCE
- STRATEGIC PERFORMANCE MANAGEMENT
- POSTMODERNISM IN LITERATURE
- INTRODUCTION TO ADVANCED COGNITIVE PROCESSES

- ENHANCING SOFT SKILLS & PERSONALITY
- FOLK AND MINOR ART IN INDIA
- SPEAKING EFFECTIVELY
- LANGUAGE AND MIND
- EDUCATIONAL LEADERSHIP
- APPRECIATING CARNATIC MUSIC
- LITERARY THEORY AND LITERARY CRITICISM

---

4 WEEKS / FEB 05, 2018

- SOCIOLOGY OF SCIENCE
- PSYCHIATRY-AN OVERVIEW
- HOW THE BRAIN CREATES MIND
- POSTCOLONIAL LITERATURE
- INTRODUCTION TO INDIAN ART-AN APPRECIATION
- PERSPECTIVES ON NEUROLINGUISTICS

- PATENT DRAFTING FOR BEGINNERS
- BUSINESS ENGLISH COMMUNICATION
- BRIEF INTRODUCTION TO PSYCHOLOGY
- GREAT EXPERIMENTS IN PSYCHOLOGY

NPTEL

ENROLLMENT CLOSES / COURSE START DATE : JAN 22, 2018 / FEB 05, 2018
EXAM DATE : APRIL 28TH & 29TH (9AM - 12NOON - 2PM - 5PM)

ENROLLMENT IS FREE !!

COMPUTER SCIENCE & ENGINEERING

12 WEEKS / JAN 22, 2018

COMPUTER ORGANIZATION & ARCHITECTURE : A PEDAGOGICAL ASPECT	SYNTHESIS OF DIGITAL SYSTEMS	INTRODUCTION TO SOFT COMPUTING	INTRODUCTION TO HASKELL PROGRAMMING
SOCIAL NETWORK	ARTIFICIAL INTELLIGENCE : KNOWLEDGE REPRESENTATION & REASONING	DATA MINING	INTRODUCTION TO HUMAN COMPUTER INTERACTION
EMBEDDED SYSTEMS DESIGN	INTRODUCTION TO MACHINE LEARNING	DATABASE MANAGEMENT SYSTEM	INFORMATION SECURITY - IV
VLSI PHYSICAL DESIGN	REINFORCEMENT LEARNING	CLOUD COMPUTING	PROGRAMMING, DATA STRUCTURES AND ALGORITHMS
CRYPTOGRAPHY AND NETWORK SECURITY			DATA SCIENCE FOR ENGINEERS

8 WEEKS / FEB 05, 2018

CRYPTOGRAPHY AND NETWORK SECURITY	INTRODUCTION TO MODERN APPLICATION DEVELOPMENT	AI : CONSTRAINT SATISFACTION	**4 WEEKS / FEB 05, 2018**
INTRODUCTION TO INTERNET OF THINGS	ADVANCED GRAPH THEORY	DESIGN AND ANALYSIS OF ALGORITHMS	REAL TIME OPERATING SYSTEM
PROBLEM SOLVING THROUGH PROGRAMMING IN C	WIRELESS ADHOC & SENSOR NETWORKS	PROGRAMMING, DATA STRUCTURES & ALGORITHMS USING PYTHON	AN INTRODUCTION TO PROBABILITY IN COMPUTING

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

CIVIL ENGINEERING / ARCHITECTURE / OCEAN ENGINEERING

https://onlinecourses.nptel.ac.in

CIVIL ENGINEERING

12 WEEKS / JAN 22, 2018

- ENERGY EFFICIENCY, ACOUSTICS & DAYLIGHTING IN BUILDING
- MECHANICS OF MATERIALS
- APPLIED ENVIRONMENTAL MICROBIOLOGY
- SOIL MECHANICS / GEOTECHNICAL ENGINEERING I
- MINERAL RESOURCES : GEOLOGY, EXPLORATION, ECONOMICS & ENVIRONMENT
- INTRODUCTION TO MINERAL PROCESSING

8 WEEKS / FEB 05, 2018

- HYDRATION, POROSITY & STRENGTH OF CEMENTITIOUS MATERIALS
- DIGITAL LAND SURVEYING & MAPPING(DLS&M)
- EARTH SCIENCES FOR CIVIL ENGINEERING PART – I & II
- SUSTAINABLE ENGINEERING CONCEPTS AND LIFE CYCLE ANALYSIS

4 WEEKS / FEB 05, 2018

- ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES
- DIGITAL ELEVATION MODELS & APPLICATIONS
- INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
- PHOTOGEOLOGY IN TERRAIN EVALUATION (PART - 1)

ARCHITECTURE

8 WEEKS / FEB 05, 2018

- HOUSING POLICY & PLANNING
- ARCHITECTURAL CONSERVATION & HISTORIC PRESERVATION

4 WEEKS / FEB 05, 2018

- PRINCIPLES AND APPLICATIONS OF BUILDING SCIENCE
- VISUAL COMMUNICATION DESIGN FOR DIGITAL MEDIA

OCEAN ENGINEERING

12 WEEKS / JAN 22, 2018

- COMPUTER METHODS OF STRUCTURAL ANALYSIS OF OFFSHORE STRUCTURES
- WATER ECONOMICS AND GOVERNANCE
- RELIABILITY OF OFFSHORE STRUCTURES

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

NPTEL

ENROLLMENT IS FREE !!

MATHEMATICS / PHYSICS / CHEMISTRY

MATHEMATICS
12 WEEKS / JAN 22, 2018

- NUMERICAL LINEAR ALGEBRA
- CHAOTIC DYNAMICAL SYSTEMS
- STOCHASTIC PROCESSES

8 WEEKS / FEB 05, 2018

- CALCULUS FOR ECONOMICS, COMMERCE AND MANAGEMENT
- MULTIVARIABLE CALCULUS

4 WEEKS / FEB 05, 2018

- NUMERICAL METHODS : FINITE DIFFERENCE APPROACH

PHYSICS
12 WEEKS / JAN 22, 2018

- ATOMIC AND MOLECULAR PHYSICS
- NUCLEAR & PARTICLE PHYSICS
- SEMICONDUCTOR OPTOELECTRONICS

8 WEEKS / FEB 05, 2018

- ADVANCED CONDENSED MATTER PHYSICS
- FIBER OPTICS
- PRINCIPLES AND APPLICATIONS OF NMR SPECTROSCOPY

CHEMISTRY
12 WEEKS / JAN 22, 2018

- CHEMISTRY OF MAIN GROUP ELEMENTS
- TRANSITION METAL ORGANOMETALLIC CHEMISTRY: PRINCIPLES TO APPLICATIONS
- A STUDY GUIDE IN ORGANIC RETROSYNTHESIS: PROBLEM SOLVING APPROACH
- INTRODUCTION TO CHEMICAL THERMODYNAMICS AND KINETICS
- BIOCHEMISTRY
- QUANTUM COMPUTING

8 WEEKS / FEB 05, 2018

- INTRODUCTION TO MOLECULAR THERMODYNAMICS

8 WEEKS / FEB 05, 2018

- METAL MEDIATED SYNTHESIS - I
- ORGANOMETALLIC CHEMISTRY

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

NPTEL

ENROLLMENT CLOSES / COURSE START DATE : JAN 22, 2018 / FEB 05, 2018
EXAM DATE : APRIL 28TH & 29TH (9AM - 12NOON / 2PM - 5PM)

ENROLLMENT IS FREE !!

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

Civil Engineering

1 Project Planning and Control
Prof. Koshy Varghese
IIT Madras
●● ●●

2 Geotechnical Engineering Laboratory
Prof. J. N. Mandal
IIT Bombay
●● ●●

3 Reinforced Concrete Road Bridges
Prof. Nirjhar Dhang
IIT Kharagpur
●● ●●

4 Digital Image Processing of Remote Sensing Data
Prof. Arun K. Saraf
IIT Roorkee
●● ●●

5 Mechanics of Solids
Prof. Priyanka Ghosh
IIT Kanpur
●● ●●

6 Principles of Construction Management
Prof. Sudhir Misra
IIT Kanpur
●● ●●

7 Foundation Design
Prof. N.R. Patra
IIT Kanpur
●● ●●

8 Integrated Waste Management for a Smart City
Prof. Brajesh Kumar Dubey
IIT Kharagpur
●● ●●

9 Computational Hydraulics
Prof. Anirban Dhar
IIT Kharagpur
●● ●●

10 Design of Steel Structures
Prof. Damodar Maity
IIT Kharagpur
●● ●●

11 Strength of Materials
Prof. Sriman Kumar Bhattacharyya
IIT Kharagpur
●● ●●

12 Design of Reinforced Concrete Structures
Prof. Nirjhar Dhang
IIT Kharagpur
●● ●●

13 Geoenvironmental Engineering (Environmental Geotechnology): Landfills, Slurry Ponds & Contaminated Sites
Prof. Manoj Datta
IIT Delhi
●● ●●

14 Structural Analysis I
Prof. Amit Shaw
IIT Kharagpur
●● ●●

Aerospace Engineering

1 Gas Dynamics
Prof. Sameen. A
IIT Madras
●● ●●

2 Engineering Thermodynamics
Prof. D.P.Mishra
IIT Kanpur
●● ●●

3 Combustion in Air Breathing Aero Engines
Prof. Swetaprovo Chaudhuri
IISc
●● ●●

4 Aircraft Design
Prof. A.K.Ghosh
IIT Kanpur
●● ●●

5 Aircraft Stability and Control
Prof. A.K.Ghosh
IIT Kanpur
●● ●●

Physics

1 Quantum Information and Computing
Prof. Dipan Ghosh
IIT Bombay
●● ●●

2 Mathematical methods in Physics – I
Prof. Samudra Roy
IIT Kharagpur
●● ●●

3 Classical Mechanics: From Newtonian to Lagrangian Formulation
Prof. Debamalya Banerjee
IIT Kharagpur
●● ●●

4 Solid State Physics
Prof. Amal Kumar Das
IIT Kharagpur
●● ●●

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 0

● Exam Date: **Sept 24, 2017**
● Exam Date: **Oct 22, 2017**

● **4 Weeks** July to Aug
● **8 Weeks** July to Sept
● **12 Weeks** July to Oct
● **4 Weeks** Aug to Sept
● **8 Weeks** Aug to Oct

* ENROLLMENT IS FREE!! *

Biological sciences & Biotechnology

1. Biostatistics and Design of Experiments
Prof. Mukesh Doble
IIT Madras

2. Biomedical Nanotechnology
Prof. P.Gopinath
IIT Roorkee

3. Introduction to Mechanobiology
Prof. Shamik Sen
IIT Bombay

4. Cell Culture Technologies
Prof. Mainak Das
IIT Kanpur

5. Forest Biometry
Prof. Ankur Awadhiya & Prof. Mainak Das
IIT Kanpur

6. Animal Physiology
Prof. Mainak Das
IIT Kanpur

7. Industrial Biotechnology
Prof. Debabrata Das
IIT Kharagpur

2. Stereochemistry
Prof. Amit Basak
IIT Kharagpur

3. Laser: Fundamentals and Applications
Prof. Manabendra Chandra
IIT Kanpur

4. Chemical and Biological Thermodynamics: Principles to Applications
Prof. Nand Kishore
IIT Bombay

5. Analytical Chemistry
Prof. Debashis Ray
IIT Kharagpur

6. Co-ordination Chemistry (Chemistry of Transition Elements)
Prof. Debashis Ray
IIT Kharagpur

7. Advanced Mathematical Methods for Chemistry
Prof. Madhav Ranganathan
IIT Kanpur

2. Introduction to Evolutionary Dynamics
Prof. Supreet Saini
IIT Bombay

3. Phase Equilibrium Thermodynamics
Prof. Gargi Das
IIT Kharagpur

4. Unit Operations of Particulate Matter
Prof. Shabina Khanam
IIT Roorkee

5. Transport Phenomena
Prof. Sunando DasGupta
IIT Kharagpur

Agriculture & Food Engineering

1. Momentum Transfer in Process Engineering
Prof. Tridib Kumar Goswami
IIT Kharagpur

Chemical Engineering

1. Trace and Ultra-Trace Analysis of Metals using Atomic Absorption Spectrometry
Prof. J. R. Mudakavi
IISc

Chemistry and Biochemistry

1. Basics of Fluroscence Spectroscopy
Prof. Pratik Sen
IIT Kanpur

Exam Date: **Sept 24, 2017**
Exam Date: **Oct 22, 2017**

4 Weeks July to Aug
8 Weeks July to Sept
12 Weeks July to Oct
4 Weeks Aug to Sept
8 Weeks Aug to Oct

* ENROLLMENT IS FREE!! *

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007,

Computer Science and Engineering

1 Introduction to Machine Learning
Prof. Sudeshna Sarkar
IIT Kharagpur

2 Design and Analysis of Algorithms
Prof. Madhavan Mukund
CMI

3 Programming, Data Structures and Algorithms using Python
Prof. Madhavan Mukund
CMI

4 Introduction to Operating Systems
Prof. Chester Robeiro
IIT Madras

5 Programming in C++
Prof. Partha Pratim Das
IIT Kharagpur

6 Object Oriented Analysis and Design
Prof. Partha Pratim Das
IIT Kharagpur

7 Theory of Computation
Prof. Raghunath Tewari
IIT Kanpur

8 Introduction To Cryptology
Prof. S. Gangopadhay
IIT Roorkee

9 Introduction to Modern Application Development
Prof. Gaurav Raina
IIT Madras

10 Fundamentals of Database Systems
Prof. Arnab Bhattacharya
IIT Kanpur

11 Introduction to Algorithms and Analysis
Prof. Sourav Mukhopadhyay
IIT Kharagpur

12 Computer Architecture and Organization
Prof. Indranil Sen Gupta
IIT Kharagpur
Prof. Kamalika Datta
NIT Meghalaya

13 AI : Search Methods for Problem Solving
Prof. Deepak Khemani
IIT Madras

14 Privacy and Security in Online Social Media
Prof. Ponnurangam.K
IIT Delhi

15 Software Testing
Prof. Meenakshi D'souza
IIIT Bombay

16 Modern Compilers – Theory and Practice
Prof. V. Krishna Nandivada
IIT Madras

17 Introduction to Internet of Things
Prof. Sudip Misra
IIT Kharagpur

18 Computer Organization
Prof. Kamakoti
IIT Madras

19 Model Checking
Prof. B.Srivathsan
CMI

20 Social Networks
Prof. S.R.S. Iyengar
IIT Roper

21 Introduction to Parallel Programming in OpenMP
Prof. Yogish Sabharwal
IIT Delhi

22 Cloud Computing
Prof. Soumya Kanti Ghosh
IIT Kharagpur

23 Hardware Modeling using Verilog
Prof. Indranil Sen Gupta
IIT Kharagpur

● Exam Date: **Sept 24, 2017**
● Exam Date: **Oct 22, 2017**

4 Weeks July to Aug
8 Weeks July to Sept
12 Weeks July to Oct
4 Weeks Aug to Sept
8 Weeks Aug to Oct

* ENROLLMENT IS FREE!! *

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2017-2018

Report on NPTEL Courses Attended
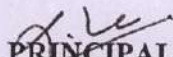
The National Programme on Technology Enhanced Learning is an Indian national initiative co-ordinated by the Indian Institute of Technology (IIT) Madras with partners from other IITs and the Indian Institute of Science, in Bangalore. The programme is funded by the Ministry of Human Resource Development, Government of India, and is geared towards providing detailed course content, free of charge, to academic institutions and individuals in all branches of engineering, science, technology, management and humanities subjects which form a part of higher education.

It is hoped that all major undergraduate and a number of post-graduate curricula of most engineering and technology programmes is covered with the availability of several lecture (or equivalently, one semester long) course content for more than 1,000 courses. The programme will supplement this activity by providing hands-on training to young teachers on curricula and pedagogy. Efforts are also being made to answer users' queries, to provide supplementary materials, online quizzes and assignments, and to collect user feedback so as to update course content on a continuous basis. It is also proposed to set up a virtual technical institution for granting online certificates and degree/diploma programmes in the future.

NPTEL is expected to fill the void in a number of ways, namely:

• NPTEL content can be used as core curriculum content for training purposes.

• All those who are gainfully employed in industries and all other walks of life, and who require continuous training and updating of their knowledge, can benefit from well-developed and peer reviewed course content from the IITs and IISc.

• Lifelong learners have all the more reason to use NPTEL content because it will be threaded quite carefully into content at all levels and into all fields of higher technical education.

65 Faculty members from various departments of our M.I.E.T. Engineering College have attended the NPTEL online FDP courses and received certificates during the academic year 2017-2018.

PRINCIPAL

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

JUNE 2018 - APR 2019

Mathematics

INTEGRAL EQUATIONS, CALCULUS OF VARIATIONS AND ITS APPLICATIONS
PROF. P.N. AGRAWAL & PROF. D.N. PANDEY
IIT ROORKEE ★★

CALCULUS OF ONE REAL VARIABLE
PROF. JOYDEEP DUTTA, IIT KANPUR ★

GROUPS : MOTION, SYMMETRY AND PUZZLES
PROF. AMIT KULSHRESTHA, IISER MOHALI ★★

UPSTREAM LNG TECHNOLOGY
PROF. PAVITRA SANDILYA, IIT KHARAGPUR ★★

ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS
PROF. P.N. AGRAWAL & PROF. D.N. PANDEY, IIT ROORKEE ★★

NUMERICAL METHODS
PROF. AMEEYA KUMAR NAYAK & PROF. SANJEEV KUMAR
IIT ROORKEE ★

MATHEMATICAL MODELLING: ANALYSIS AND APPLICATIONS
PROF. AMEEYA KUMAR NAYAK, IIT ROORKEE ★★

INTRODUCTION TO ELECTROMAGNETIC THEORY
PROF. MANOJ HARBOLA, IIT KANPUR ★

TRANSFORM TECHNIQUES FOR ENGINEERS
PROF. MANAM, IIT MADRAS ★★

MATRIX ANALYSIS WITH APPLICATIONS
PROF. S.K. GUPTA & PROF. SANJEEV KUMAR, IIT ROORKEE ★

NONLINEAR PROGRAMMING
PROF. S.K. GUPTA, IIT ROORKEE ★★

ADVANCED QUANTUM MECHANICS WITH APPLICATIONS
PROF. SAURABH BASU, IIT GUWAHATI ★

Physics

MATRIX SOLVER
PROF. SOMNATH ROY, IIT KHARAGPUR ★★

INTRODUCTION TO ABSTRACT GROUP THEORY
PROF. KRISHNA HANUMANTHU, CMI ★★

SOLID STATE PHYSICS
PROF. AMAL KUMAR DAS, IIT KHARAGPUR ★★

MEASURE THEORY
PROF. S.K. RANA, IIT BOMBAY ★★

INTRODUCTION TO ABSTRACT AND LINEAR ALGEBRA
PROF. SOURAV MUKHOPADHYAY, IIT KHARAGPUR ★★

MODERN OPTICS
PROF. PARTHA ROY CHOUDHURI, IIT KHARAGPUR ★★

INTRODUCTION TO PROBABILITY THEORY & STOCHASTIC PROCESSES
PROF. S. DHARMARAJA, IIT DELHI ★★

STATISTICAL INFERENCE
PROF. NILADRI CHATTERJEE, IIT DELHI ★

INTRODUCTION TO NON-LINEAR OPTICS AND ITS APPLICATIONS
PROF. SAMUDRA ROY, IIT KHARAGPUR ★★

REGRESSION ANALYSIS
PROF. SOUMEN MAITY, IISER PUNE ★★

INTRODUCTION TO PROBABILITY AND STATISTICS
PROF. G. SRINIVASAN, IIT MADRAS ★

THEORY OF GROUPS FOR PHYSICS APPLICATIONS
PROF. URJIT A. YAJNIK, IIT BOMBAY ★★

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007
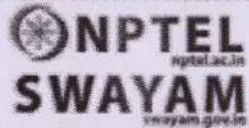
■ 12 WEEKS COURSE
■ 08 WEEKS COURSE
■ 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM-12.00 PM | AN : 02.00 PM-05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
■ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

Biotechnology & Bioengineering

INDUSTRIAL BIOTECHNOLOGY
PROF. DEBABRATA DAS, IIT KHARAGPUR ★★

COMPUTATIONAL SYSTEMS BIOLOGY
PROF. KARTHIK RAMAN, IIT MADRAS ★★

MATERIAL AND ENERGY BALANCES
PROF. VIGNESH MUTHUVIJAYAN, IIT MADRAS ★★

BIOENGINEERING: AN INTERFACE WITH BIOLOGY AND MEDICINE
PROF. SANJEEVA SRIVASTAVA, IIT BOMBAY ★

BIOSTATISTICS AND DESIGN OF EXPERIMENTS
PROF. MUKESH DOBLE, IIT MADRAS ★★

INTRODUCTION TO BIOSTATISTICS
PROF. SHAMIK SEN, IIT BOMBAY ★

INTRODUCTION TO MECHANOBIOLOGY
PROF. SHAMIK SEN, IIT BOMBAY ★

WILDLIFE CONSERVATION
PROF. ANKUR AWADHIYA, IIT KANPUR ★★

COMPUTER AIDED DRUG DESIGN
PROF. MUKESH DOBLE, IIT MADRAS ★

NANOTECHNOLOGY IN AGRICULTURE
PROF. MAINAK DAS, IIT KANPUR ★★

INTRODUCTION TO PROTEOMICS
PROF. SANJEEVA SRIVASTAVA, IIT BOMBAY ★★

INTERACTOMICS
PROF. SANJEEVA SRIVASTAVA, IIT BOMBAY ★★

BIOMICROFLUIDICS
PROF. TAPAS KUMAR MAITI & PROF. SUMAN CHAKRABORTY, IIT KHARAGPUR ★★

BIOMEDICAL NANOTECHNOLOGY
PROF. P. GOPINATH, IIT ROORKEE ★★

FUNCTIONAL GENOMICS
PROF. S. GANESH, IIT KANPUR ★★

Chemistry

CHEMISTRY: ATOMIC STRUCTURE AND CHEMICAL BONDING
PROF. K. MANGALA SUNDAR, IIT MADRAS ★★

ANALYTICAL CHEMISTRY
PROF. DEBASHIS RAY, IIT KHARAGPUR ★★

COORDINATION CHEMISTRY
PROF. DEBASHIS RAY, IIT KHARAGPUR ★★

INORGANIC CHEMISTRY OF LIFE: PRINCIPLES AND PERSPECTIVES
PROF. C.P. RAO, IIT BOMBAY ★★

SYMMETRY AND GROUP THEORY
PROF. ANINDYA DATTA, IIT BOMBAY ★★

CHEMICAL CRYSTALLOGRAPHY
PROF. ANGSHUMAN ROY CHOUDHURY, IISER MOHALI ★★

ADVANCED CHEMICAL THERMODYNAMICS AND KINETICS
PROF. ARIJIT KUMAR DE, IISER MOHALI ★★

MOLECULES IN MOTION
PROF. AMITA PATHAK MAHANTY, IIT KHARAGPUR ★

STEREOCHEMISTRY
PROF. AMIT BASAK, IIT KHARAGPUR ★

COMPUTATIONAL CHEMISTRY AND CLASSICAL MOLECULAR DYNAMICS
PROF. B.L. TEMBE, IIT BOMBAY ★

PERICYCLIC REACTIONS AND ORGANIC PHOTOCHEMISTRY
PROF. SANKARARAMAN S, IIT MADRAS ★★

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

MECHANICAL ENGINEERING (30) / AEROSPACE ENGINEERING (05)

Mechanical Engineering

HEAT EXCHANGERS: FUNDAMENTALS AND DESIGN ANALYSIS
PROF. PRASANTA K. DAS & PROF. INDRANIL GHOSH
IIT KHARAGPUR ★★

ENERGY CONSERVATION AND WASTE HEAT RECOVERY
PROF. PRASANTA K. DAS, IIT KHARAGPUR
PROF. ANANDAROOP BHATTACHARYA, IIT KHARAGPUR ★★

COMPUTATIONAL FLUID MECHANICS
PROF. SUMAN CHAKRABORTY, IIT KHARAGPUR ★★

FUNDAMENTALS OF MANUFACTURING PROCESSES
PROF. D.K. DWIVEDI, IIT ROORKEE ★★

MANUFACTURING SYSTEMS TECHNOLOGY - I & II
PROF. SHANTANU BHATTACHARYA, IIT KANPUR ★★

MECHANICS OF HUMAN MOVEMENT
PROF. SUJATHA SRINIVASAN, IIT MADRAS ★★

ADVANCED COMPOSITES
PROF. NACHIKETA TIWARI, IIT KANPUR ★★

ENGINEERING METROLOGY
PROF. J. RAMKUMAR, IIT KANPUR
PROF. AMANDEEP SINGH, NIT JALANDHAR ★★

NOISE MANAGEMENT AND CONTROL
PROF. NACHIKETA TIWARI, IIT KANPUR ★★

FUNDAMENTALS OF SURFACE ENGINEERING: MECHANISMS, PROCESSES AND CHARACTERIZATIONS
PROF. D.K. DWIVEDI, IIT ROORKEE ★★

WORK SYSTEM DESIGN
PROF. INDERDEEP SINGH, IIT ROORKEE ★★

ENGINEERING FRACTURE MECHANICS
PROF. K. RAMESH, IIT MADRAS ★★

REFRIGERATION AND AIR-CONDITIONER
PROF. RAVI KUMAR, IIT ROORKEE ★

FLUID DYNAMICS AND TURBOMACHINES
PROF. DHIMAN CHATTERJEE & PROF. SHAMIT BAKSHI
IIT MADRAS ★

PRINCIPLES OF METAL FORMING TECHNOLOGY
PROF. PRADEEP K. JHA, IIT ROORKEE ★

PRINCIPLES OF CASTING TECHNOLOGY
PROF. P.K. JHA, IIT ROORKEE ★

DESIGN FOR QUALITY, MANUFACTURING AND ASSEMBLY
PROF. PALANIAPPAN RAMU, IIT MADRAS ★

MECHANICS OF MACHINING
PROF. UDAY S. DIXIT, IIT GUWAHATI ★

PROCESSING OF POLYMERS AND POLYMER COMPOSITES
PROF. INDERDEEP SINGH, IIT ROORKEE ★

MANUFACTURING OF COMPOSITES
PROF. J. RAMKUMAR, IIT KANPUR ★

ROBOTICS
PROF. D.K. PRATIHAR, IIT KHARAGPUR ★

PRINCIPLE OF HYDRAULIC MACHINES AND SYSTEM DESIGN
PROF. PRANAB K. MONDAL, IIT GUWAHATI ★

DESIGN PRACTICE - II
PROF. SHANTANU BHATTACHARYA, IIT KANPUR ★★

INTRODUCTION TO ABRASIVE MACHINING AND FINISHING PROCESSES
PROF. MAMILLA RAVI SANKAR, IIT GUWAHATI ★

RAC PRODUCT DESIGN
PROF. SANJEEV JAIN, IIT DELHI ★

LAWS OF THERMODYNAMICS
PROF. S.K. SOM & PROF. SUMAN CHAKRABORTY
IIT KHARAGPUR ★

THEORY OF RECTANGULAR PLATES (PART-1)
PROF. POONAM KUMARI, IIT GUWAHATI ★

SURROGATES AND APPROXIMATIONS IN ENGINEERING DESIGN
PROF. PALANIAPPAN RAMU, IIT MADRAS ★

SMART MATERIALS AND INTELLIGENT SYSTEM DESIGN
PROF. BISHAKH BHATTACHARYA, IIT KANPUR ★

EXPERIMENTAL STRESS ANALYSIS - AN OVERVIEW
PROF. K. RAMESH, IIT MADRAS ★★

Aerospace Engineering

ENGINEERING THERMODYNAMICS
PROF. D.P. MISHRA, IIT KANPUR ★★

AIRCRAFT STABILITY AND CONTROL
PROF. A.K. GHOSH, IIT KANPUR ★★

FUNDAMENTALS OF COMBUSTION (PART - 2)
PROF. D.P. MISHRA, IIT KANPUR ★

DESIGN OF FIXED WING UNMANNED AERIAL VEHICLES
PROF. SUBRAHMANYAM SADERLA, IIT KANPUR ★

INTRODUCTION TO FINITE VOLUME METHODS - I
PROF. ASHOKE DE, IIT KANPUR ★★

- 12 WEEKS COURSE
- 08 WEEKS COURSE
- 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM - 12.00 PM   AN : 02.00 PM - 05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
■ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI

Humanities and Social Science

ENGLISH LANGUAGE FOR COMPETITIVE EXAMS
PROF. AYSHA IQBAL, IIT MADRAS ★★

SOFT SKILLS
PROF. BINOD MISHRA, IIT ROORKEE ★★

HISTORY OF ENGLISH LANGUAGE AND LITERATURE
PROF. MERIN SIMI RAJ, IIT MADRAS ★★

INDIAN FICTION IN ENGLISH
PROF. MERIN SIMI RAJ, IIT MADRAS ★★

APPLIED LINGUISTICS
PROF. RAJESH KUMAR, IIT MADRAS ★★

INTRODUCTION TO CULTURAL STUDIES
PROF. AVISHEK PARUI, IIT MADRAS ★★

INTRODUCTION TO MODERN INDIAN POLITICAL THOUGHT
PROF. MITHILESH KUMAR JHA, IIT GUWAHATI ★★

INTELLECTUAL PROPERTY
PROF. FEROZ ALI, IIT MADRAS ★★

SHORT FICTION IN INDIAN LITERATURE
PROF. DIVYA A, IIT MADRAS ★★

TECHNICAL ENGLISH FOR ENGINEERS
PROF. AYSHA IQBAL, IIT MADRAS ★

DEVELOPING SOFT SKILLS AND PERSONALITY
PROF. T. RAVICHANDRAN, IIT KANPUR ★★

INTRODUCTION TO LITERARY THEORY
PROF. SAYAN CHATTOPADHYAY, IIT KANPUR ★

CONSUMER PSYCHOLOGY
PROF. NAVEEN KASHYAP, IIT GUWAHATI ★

EDUCATIONAL LEADERSHIP
PROF. ATASI MOHANTY, IIT KHARAGPUR ★

INTRODUCTION TO BASIC SPOKEN SANSKRIT
PROF. ANURADHA CHOUDRY, IIT KHARAGPUR ★★

WATER, SOCIETY AND SUSTAINABILITY
PROF. JENIA MUKHERJEE, IIT KHARAGPUR ★★

DEVELOPMENT OF SOCIOLOGY IN INDIA
PROF. ASHISH SAXENA, IIT KANPUR ★

GENDER JUSTICE AND WORKPLACE SECURITY
PROF. DIPA DUBE, IIT KHARAGPUR ★★

VISUAL PERCEPTION AND ART: A SURVEY ACROSS THE CULTURES
PROF. SOUMIK NANDY MAJUMDAR, IIT KANPUR ★

COGNITION, TRANSFORMATION AND LIVES
PROF. ALOK BAJPAI, IIT KANPUR ★

Multidisciplinary

NEUROSCIENCE OF HUMAN MOVEMENT
PROF. VARADHAN, IIT MADRAS ★★

NON-CONVENTIONAL ENERGY RESOURCES
PROF. PRATHAP HARIDOSS, IIT MADRAS ★★

HEALTH RESEARCH FUNDAMENTALS
MULTI FACULTY, NIE ★

INTRODUCTION TO RESEARCH
PROF. PRATHAP HARIDOSS, IIT MADRAS ★

MANAGE TB
PROF. MOHAN NATRAJAN & Dr. V.K BANU REKHA, NIRT ★★

ECOLOGY AND ENVIRONMENT
PROF. RAVIKRISHNA, IIT MADRAS ★★

SYMBOLIC LOGIC
PROF. CHHANDA CHAKRABORTI, IIT KHARAGPUR ★

OUTCOME BASED PEDAGOGIC PRINCIPLES FOR EFFECTIVE TEACHING
PROF. SHYAMAL Kr DAS MANDAL & PROF. TAMALI BHATTACHARY, IIT KHARAGPUR ★★

STRESS MANAGEMENT
PROF. RAJLAKSHMI GUHA, IIT KHARAGPUR ★

BIOLOGY FOR ENGINEERS AND OTHER NON-BIOLOGISTS
PROF. SURAISHKUMAR & PROF. MADHULIKA DIXIT, IIT MADRAS ★★

Design Engineering

SYSTEM DESIGN FOR SUSTAINABILITY
PROF. SHARMISTHA BANERJEE, IIT GUWAHATI ★★

CONTROL SYSTEMS
PROF. C.S. SHANKAR RAM, IIT MADRAS ★★

PRODUCT DESIGN AND INNOVATION
PROF. SUPRADIP DAS, PROF. SWATI PAL AND PROF. DEBKUMAR DHAR, IIT GUWAHATI ★

INTERACTION DESIGN
PROF. ABHISHEK SHRIVASTAVA, IIT GUWAHATI ★

NPTEL
nptel.ac.in
SWAYAM
swayam.gov.in

FUNDED BY
THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT
GOVERNMENT OF INDIA

■ 12 WEEKS COURSE
■ 08 WEEKS COURSE
■ 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM -12.00 PM | AN : 02.00 PM - 05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
■ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

ELECTRICAL ENGINEERING (32)

27 ELECTRICAL MACHINES - II — PROF. TAPAS KUMAR BHATTACHARYA, IIT KHARAGPUR	**28** PRINCIPLES OF SIGNALS AND SYSTEMS — PROF. ADITYA K. JAGANNATHAM, IIT KANPUR	**28** ANTENNAS — PROF. GIRISH KUMAR, IIT BOMBAY	**28** ELECTRONIC SYSTEMS FOR CANCER DIAGNOSIS — PROF. HARDIK JEETENDRA PANDYA, IISc
27 POWER SYSTEM ENGINEERING — PROF. DEBAPRIYA DAS, IIT KHARAGPUR	**28** PRINCIPLES OF COMMUNICATION SYSTEMS - I — PROF. ADITYA K. JAGANNATHAM, IIT KANPUR	**27** INTRODUCTION TO PHOTONICS — PROF. BALAJI SRINIVASAN, IIT MADRAS	**31** ADVANCE POWER ELECTRONICS AND CONTROL — PROF. AVIK BHATTACHARYA, IIT ROORKEE
28 FUNDAMENTALS OF POWER ELECTRONICS — PROF. VIVEK AGARWAL, IIT BOMBAY	**27** DIGITAL ELECTRONIC CIRCUITS — PROF. GOUTAM SAHA, IIT KHARAGPUR	**27** BIOMEDICAL SIGNAL PROCESSING — PROF. SUDIPTA MUKHOPADHYAY, IIT KHARAGPUR	**27** EVOLUTION OF AIR INTERFACE TOWARDS 5G — PROF. SUVRA SEKHAR DAS, IIT KHARAGPUR
28 FUNDAMENTALS OF SEMICONDUCTOR DEVICES — PROF. DHERJOY N. NATH, IISc	**27** MICROPROCESSORS AND MICROCONTROLLERS — PROF. SANTANU CHATTOPADHYAY, IIT KHARAGPUR	**27** CONTROL ENGINEERING — PROF. RAMKRISHNA PASUMARTHY, IIT MADRAS	**28** ELECTROMAGNETIC COMPATIBILITY, EMC — PROF. DANIEL MANSSON, PROF. RAJEEV THOTTAPPILLIL, KTH ROYAL INSTITUTE OF TECHNOLOGY, SWEDEN
27 PRINCIPLES OF DIGITAL COMMUNICATIONS — PROF. ABHISHEK DIXIT, IIT DELHI	**28** COMPUTER AIDED POWER SYSTEM ANALYSIS — PROF. BISWARUP DAS, IIT ROORKEE	**27** MULTIRATE DSP — PROF. R. DAVID KOILPILLAI, IIT MADRAS	**28** ELECTROMAGNETIC WAVES IN GUIDED AND WIRELESS MEDIUM — PROF. PRADEEP KUMAR K, IIT KANPUR
27 MODERN DIGITAL COMMUNICATION TECHNIQUES — PROF. SUVRA SEKHAR DAS, IIT KHARAGPUR	**28** POWER SYSTEM DYNAMICS, CONTROL AND MONITORING — PROF. DEBAPRIYA DAS, IIT KHARAGPUR	**28** MATHEMATICAL METHODS AND TECHNIQUES IN SIGNAL PROCESSING — PROF. SHAYAN SRINIVASA GARANI, IISc	**31** ADVANCES IN UHV TRANSMISSION AND DISTRIBUTION — PROF. SUBBA REDDY B, IISc

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.
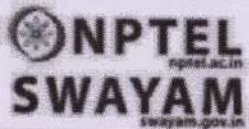
- 12 WEEKS COURSE
- 08 WEEKS COURSE
- 04 WEEKS COURSE

EXAM DATE (2 sessions each)
31 March 2019 (SUNDAY) | 27 April 2019 (SATURDAY) | 28 April 2019 (SUNDAY)
FN : 09.00 AM - 12.00 PM | AN : 02.00 PM - 05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
★ 28-JAN-2019   ★★ 25-FEB-2019

FUNDAMENTALS OF ELECTRICAL ENGINEERING
PROF. DEBAPRIYA DAS, IIT KHARAGPUR ★★

POWER SYSTEM ANALYSIS
PROF. DEBAPRIYA DAS, IIT KHARAGPUR ★★

BASIC ELECTRICAL CIRCUITS
PROF. NAGENDRA KRISHNAPURA, IIT MADRAS ★★

ANALOG CIRCUITS
PROF. NAGENDRA KRISHNAPURA, IIT MADRAS ★★

CONTROL ENGINEERING
PROF. RAMKRISHNA PASUMARTHY, IIT MADRAS ★★

PRINCIPLES OF SIGNAL ESTIMATION FOR MIMO/ OFDM WIRELESS COMMUNICATION
PROF. ADITYA K. JAGANNATHAM, IIT KANPUR ★★

MICROWAVE THEORY AND TECHNIQUES
PROF. GIRISH KUMAR, IIT BOMBAY ★★

COMPUTATIONAL ELECTROMAGNETICS & APPLICATIONS
PROF. KRISH SANKARAN, IIT MADRAS ★★

ANALOG COMMUNICATION
PROF. GOUTAM DAS, IIT KHARAGPUR ★★

PRINCIPLES OF DIGITAL COMMUNICATIONS
PROF. S.N. MERCHANT, IIT BOMBAY ★★

INTRODUCTION TO WIRELESS & CELLULAR COMMUNICATIONS
PROF. DAVID KOILPILLAI, IIT MADRAS ★★

APPLIED OPTIMIZATION FOR WIRELESS, MACHINE LEARNING, BIG DATA
PROF. ADITYA K. JAGANNATHAM, IIT KANPUR ★★

SEMICONDUCTOR DEVICES AND CIRCUITS
PROF. SANJIV SAMBANDAN, IISc BANGALORE ★★

DIGITAL CIRCUITS
PROF. SANTANU CHATTOPADHYAY, IIT KHARAGPUR ★★

DESIGN OF PHOTOVOLTAIC SYSTEMS
PROF. L. UMANAND, IISc BANGALORE ★★

FABRICATION TECHNIQUES FOR MEMs-BASED SENSORS: CLINICAL PERSPECTIVE
PROF. HARDIK JEETENDRA PANDYA, IISc BANGALORE ★★

OP-AMP PRACTICAL APPLICATIONS: DESIGN, SIMULATION AND IMPLEMENTATION
PROF. HARDIK JEETENDRA PANDYA, IISc BANGALORE ★★

INFORMATION THEORY, CODING AND CRYPTOGRAPHY
PROF. RANJAN BOSE, IIT DELHI ★★

DIGITAL IMAGE PROCESSING
PROF. PRABIR KUMAR BISWAS, IIT KHARAGPUR ★★

ANALOG ELECTRONIC CIRCUIT
PROF. SHOURIBRATA CHATTERJEE, IIT DELHI ★★

FIBER-OPTIC COMMUNICATION SYSTEMS AND TECHNIQUES
PROF. K. PRADEEP KUMAR, IIT KANPUR ★★

CONTROL SYSTEM DESIGN
PROF. G.R. JAYANTH, IISc BANGALORE ★★

ELECTRICAL DISTRIBUTION SYSTEM ANALYSIS
PROF. G.B. KUMBHAR, IIT ROORKEE ★

ANALYSIS AND DESIGN PRINCIPLES OF MICROWAVE ANTENNAS
PROF. AMITABHA BHATTACHARYA, IIT KHARAGPUR ★

ADVANCED LINEAR CONTINUOUS CONTROL SYSTEMS: APPLICATIONS WITH MATLAB PROGRAMMING AND SIMULINK
PROF. YOGESH VIJAY HOTE, IIT ROORKEE ★★

DISCRETE TIME SIGNAL PROCESSING
PROF. MRITYUNJOY CHAKRABORTY, IIT KHARAGPUR ★

ARCHITECTURAL DESIGN OF DIGITAL INTEGRATED CIRCUITS
PROF. INDRANIL HATAI, IIEST SHIBPUR ★

PHYSICAL MODELLING FOR ELECTRONICS ENCLOSURES USING RAPID PROTOTYPING
PROF. N.V. CHALAPATHI RAO, IISc BANGALORE ★

AN INTRODUCTION TO INFORMATION THEORY
PROF. ADRISH BANERJEE, IIT KANPUR ★

INTRODUCTION TO SMART GRID
PROF. N.P. PADHY & PROF. PREMALATA JENA, IIT ROORKEE ★

ADVANCED TOPICS IN PROBABILITY AND RANDOM PROCESSES
PROF. P.K. BORA, IIT GUWAHATI ★

FACTS DEVICES
PROF. AVIK BHATTACHARYA, IIT ROORKEE ★

MICROWAVE INTEGRATED CIRCUITS
PROF. JAYANTA MUKHERJEE, IIT BOMBAY ★★

RECENT ADVANCES IN TRANSMISSION INSULATORS
PROF. SUBBA REDDY B, IISc BANGALORE ★★

NONLINEAR AND ADAPTIVE CONTROL
PROF. SHUBHENDU BHASIN, IIT DELHI

NPTEL
nptel.ac.in
SWAYAM
swayam.gov.in

FUNDED BY
THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT
GOVERNMENT OF INDIA

▮ 12 WEEKS COURSE
▮ 08 WEEKS COURSE
▮ 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM - 12.00 PM | AN : 02.00 PM - 05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
▮ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

PROBLEM SOLVING THROUGH PROGRAMMING IN C
PROF. ANUPAM BASU, IIT KHARAGPUR ★★

THE JOY OF COMPUTING USING PYTHON
PROF. SUDARSHAN IYENGAR, IIT ROPAR ★★

DISCRETE MATHEMATICS
PROF. SUDARSHAN IYENGAR, IIT ROPAR ★★

DEEP LEARNING
PROF. MITESH KHAPRA, IIT MADRAS ★★

SOFTWARE TESTING
PROF. MEENAKSHI D'SOUZA, IIT BANGALORE ★★

SOFTWARE ENGINEERING
PROF. RAJIB MALL, IIT KHARAGPUR ★★

COMPUTER NETWORKS AND INTERNET PROTOCOL
PROF. SOUMYA KANTI GHOSH & PROF. SANDIP CHAKRABORTY, IIT KHARAGPUR ★★

INTRODUCTION TO INTERNET OF THINGS
PROF. SUDIP MISRA, IIT KHARAGPUR ★★

COMPUTER ARCHITECTURE
PROF. SMRUTI RANJAN SARANGI, IIT DELHI ★★

ARTIFICIAL INTELLIGENCE SEARCH METHODS FOR PROBLEM SOLVING
PROF. DEEPAK KHEMANI, IIT MADRAS ★★

BLOCKCHAIN ARCHITECTURE DESIGN AND USE CASES
PROF. SANDIP CHAKRABORTY, IIT KHARAGPUR
DR. PRAVEEN JAYACHANDRAN, IBM
Technical Partner IBM ★★

SWITCHING CIRCUITS AND LOGIC DESIGN
PROF. INDRANIL SENGUPTA, IIT KHARAGPUR ★★

HARDWARE MODELING USING VERILOG
PROF. INDRANIL SENGUPTA, IIT KHARAGPUR ★★

MODEL CHECKING
PROF. B. SRIVATHSAN, CMI ★★

EMBEDDED SYSTEMS - DESIGN VERIFICATION AND TEST
PROF. SANTOSH BISWAS, PROF. JATINDRA KUMAR DEKA AND PROF. ARNAB SARKAR, IIT GUWAHATI ★★

SOCIAL NETWORKS
PROF. RISHI RANJAN SINGH, IIT BHILAI
PROF. SUDARSHAN IYENGAR, IIT ROPAR ★★

PROGRAMMING IN C++
PROF. PARTHA PRATIM DAS, IIT KHARAGPUR ★

INTRODUCTION TO PROGRAMMING IN C
PROF. SATYADEV NANDAKUMAR, IIT KANPUR ★★

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON
PROF. MADHAVAN MUKUND, CMI

DESIGN AND ANALYSIS OF ALGORITHMS
PROF. MADHAVAN MUKUND, CMI ★★

DATA BASE MANAGEMENT SYSTEM
PROF. PARTHA PRATIM DAS, IIT KHARAGPUR ★

SCALABLE DATA SCIENCE
PROF. ANIRBAN DASGUPTA, PROF. SOURANGSHU BHATTACHARYA, IIT KHARAGPUR ★

INTRODUCTION TO MACHINE LEARNING
PROF. SUDESHNA SARKAR, IIT KHARAGPUR ★★

INTRODUCTION TO R SOFTWARE
PROF. SHALABH, IIT KANPUR ★

CLOUD COMPUTING
PROF. SOUMYA KANTI GHOSH, IIT KHARAGPUR ★★

CLOUD COMPUTING AND DISTRIBUTED SYSTEMS
PROF. RAJIV MISRA, IIT KANPUR ★

MULTI-CORE COMPUTER ARCHITECTURE – STORAGE AND INTERCONNECTS
PROF. JOHN JOSE, IIT GUWAHATI ★

INTRODUCTION TO PARALLEL PROGRAMMING IN OPEN MP
PROF. YOGISH SABHARWAL, IIT DELHI ★★

DESIGN AND PEDAGOGY OF THE INTRODUCTORY PROGRAMMING
PROF. ABHIRAM G. RANADE, IIT BOMBAY ★★

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

■ 12 WEEKS COURSE
■ 08 WEEKS COURSE
■ 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM -12.00 PM | AN : 02.00 PM -05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
■ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

CIVIL ENGINEERING (27) / ARCHITECTURE (05)

Civil Engineering

FOUNDATION ENGINEERING
PROF. KAUSHIK DEB, IIT KHARAGPUR
★★

STRENGTH OF MATERIALS
PROF. SRIMAN KR. BHATTACHARYA, IIT KHARAGPUR
★★

THEORY OF ELASTICITY
PROF. AMIT SHAW & PROF. BISWANATH BANERJEE
IIT KHARAGPUR
★★

CONCRETE TECHNOLOGY
PROF. B. BHATTACHARJEE, IIT DELHI
★★

ADVANCED CONCRETE TECHNOLOGY
PROF. MANU SANTHANAM, IIT MADRAS
★★

MODERN CONSTRUCTION MATERIALS
PROF. RAVINDRA GETTU, IIT MADRAS
★★

DESIGN OF REINFORCED CONCRETE STRUCTURES
PROF. NIRJHAR DHANG, IIT KHARAGPUR
★★

INTEGRATED WASTE MANAGEMENT FOR A SMART CITY
PROF. BRAJESH KUMAR DUBEY, IIT KHARAGPUR
★★

WASTEWATER TREATMENT AND RECYCLING
PROF. MANOJ KUMAR TIWARI, IIT KHARAGPUR
★★

GLASS IN BUILDINGS : DESIGN AND APPLICATIONS
PROF. K.N. SATYANARAYANA, IIT TIRUPATHI
PROF. E. RAJASEKAR, IIT ROORKEE
Mr. BALAJI M. GLASS ACADEMY
★★

ENVIRONMENTAL ENGINEERING - CHEMICAL PROCESSES
PROF. BHANU PRAKASH VELLANKI, IIT ROORKEE
★★

FIRE PROTECTION, SERVICES AND MAINTENANCE MANAGEMENT OF BUILDING
PROF. B. BHATTACHARJEE, IIT DELHI
★★

GEOENVIRONMENTAL ENGINEERING (ENVIRONMENTAL GEOTECHNOLOGY); LANDFILLS, SLURY PONDS & CONTAMINATED SITES
PROF. MANOJ DUTTA, IIT DELHI
★★

HIGHER SURVEYING
PROF. AJAY DASHORA, IIT GUWAHATI
★★

UNSATURATED SOIL MECHANICS
PROF. T.V. BHARAT, IIT GUWAHATI
★★

APPLICATION OF GEOTECHNICAL ENGINEERING
PROF. N.R. PATRA, IIT KANPUR
★★

GLASS PROCESSING TECHNOLOGY
PROF. K.N. SATYANARAYANA, IIT TIRUPATHI
Mr. BALAJI M. GLASS ACADEMY
★★

PRINCIPLES OF CONSTRUCTION MANAGEMENT
PROF. SUDHIR MISRA, IIT KANPUR
★

MATRIX METHOD OF STRUCTURAL ANALYSIS
PROF. AMIT SHAW & PROF. BISWANATH BANERJEE
IIT KHARAGPUR
★★

PROJECT PLANNING AND CONTROL
PROF. KOSHY VARGHESE, IIT MADRAS
★

REMOTE SENSING AND DIGITAL IMAGE PROCESSING OF SATELLITE DATA
PROF. ARUN K. SARAF, IIT ROORKEE
★

FLUID INCLUSION IN MINERAL PRINCIPLES, METHODOLOGY, PRACTICE AND APPLICATION
PROF. M.K. PANIGRAHI, IIT KHARAGPUR
★

INTRODUCTION TO ACCOUNTING AND FINANCE FOR CIVIL ENGINEERS
PROF. SUDHIR MISRA, IIT KANPUR
★★

REINFORCED CONCRETE ROAD BRIDGES
PROF. NIRJHAR DHANG, IIT KHARAGPUR
★★

GEOSYNTHETICS TESTING LABORATORY
PROF. J.N. MANDAL, IIT BOMBAY
★★

GEOTECHNICAL ENGINEERING LABORATORY
PROF. J.N. MANDAL, IIT BOMBAY
★★

PHOTOGEOLOGY IN TERRAIN EVALUATION (PART – 2)
PROF. JAVED MALIK, IIT KANPUR
★★

Architecture

ARCHITECTURAL ACOUSTICS
PROF. SUMANA GUPTA, IIT KHARAGPUR
PROF. SANKHA PRATIM BHATTACHARYA, IIT KHARAGPUR
★

LANDSCAPE ARCHITECTURE AND SITE PLANNING - BASIC FUNDAMENTALS
PROF. UTTAM KUMAR BANERJEE, IIT KHARAGPUR
★★

CULTURALLY RESPONSIVE BUILT ENVIRONMENTS
PROF. RAM SATEESH PASUPULETI, IIT ROORKEE
★

CONTEMPORARY ARCHITECTURE AND DESIGN
PROF. SAPTARSHI KOLAY, IIT ROORKEE
★★

ROLE OF CRAFT AND TECHNOLOGY IN INTERIOR - ARCHITECTURE
PROF. SMRITI SARASWAT, IIT ROORKEE
★★

■ 12 WEEKS COURSE
■ 08 WEEKS COURSE
■ 04 WEEKS COURSE

EXAM DATE (2 sessions each)
★ 07 OCT 2018   ★★ 28 OCT 2018
FN : 09.00 AM - 12.00 PM | AN : 02.00 PM - 05.00 PM

ENROLLMENT CLOSE & COURSE START DATE
■ 30 JULY 2018   ● 13 AUG 2018
◆ 06 AUG 2018   ▲ 27 AUG 2018

https://onlinecourses.nptel.ac.in

ENROLLMENT IS FREE !!

CIVIL ENGINEERING

27 SOIL MECHANICS/ GEOTECHNICAL ENGINEERING - I
PROF. DILIP KUMAR BAIDYA
IIT KHARAGPUR

31 EARTH SCIENCES FOR CIVIL ENGINEERING (PART - I & II)
PROF. JAVED MALIK
IIT KANPUR

31 INTRODUCTION TO REMOTE SENSING
PROF. ARUN K. SARAF
IIT ROORKEE

27 PRINCIPLES AND APPLICATIONS OF BUILDING SCIENCE
PROF. E. RAJASEKAR
IIT ROORKEE

27 APPLIED ENVIRONMENTAL MICROBIOLOGY
PROF. SAROJ SINGH
IIT ROORKEE

31 HYDRATION, POROSITY & STRENGTH OF CEMENTITIOUS MATERIALS
PROF. SUDHIR MISHRA, IIT KANPUR
PROF. K. V. HARISH, IIT KANPUR

31 ADVANCED TOPICS IN THE SCIENCE AND TECHNOLOGY OF CONCRETE
PROF. RAVINDRA GETTU, IIT MADRAS
PROF. MANU SANTHANAM, IIT MADRAS

31 INTRODUCTION TO HISTORY OF ARCHITECTURE IN INDIA
PROF. PUSHKAR SOHONI
IISER PUNE

28 ENVIRONMENTAL REMEDIATION OF CONTAMINATED SITES
PROF. BHANU PRAKASH VELLANKI
IIT ROORKEE

28 PLASTIC WASTE MANAGEMENT
PROF. BRAJESH KUMAR DUBEY
IIT KHARAGPUR

ARCHITECTURE AND PLANNING

31 VISUAL COMMUNICATION DESIGN FOR DIGITAL MEDIA
PROF. SAPTARSHI KOLAY
IIT ROORKEE

28 GEOTECHNICAL ENGINEERING - II FOUNDATION ENGINEERING
PROF. DILIP KUMAR BAIDYA
IIT KHARAGPUR

27 DIGITAL LAND SURVEYING AND MAPPING (DLS & M)
PROF. J.K. GHOSH
IIT ROORKEE

28 URBAN GOVERNANCE AND DEVELOPMENT MANAGEMENT (UGDM)
PROF. UTTAM KUMAR ROY
IIT ROORKEE

28 USER INTERFACE DESIGN
PROF. SAPTARSHI KOLAY
IIT ROORKEE

27 GEOSYNTHETICS AND REINFORCED SOIL STRUCTURES
PROF. K. RAJAGOPAL
IIT MADRAS

28 SUBSURFACE EXPLORATION: IMPORTANCE AND TECHNIQUES INVOLVED
PROF. ABHISHEK KUMAR
IIT GUWAHATI

31 HOUSING POLICY & PLANNING
PROF. UTTAM KUMAR ROY
IIT ROORKEE

28 ENERGY EFFICIENCY, ACOUSTICS AND DAYLIGHTING IN BUILDING
PROF. B. BHATTACHARJEE
IIT DELHI

31 NATURAL HAZARDS (PART - 1)
PROF. JAVED MALIK
IIT KANPUR

27 LANDSCAPE ARCHITECTURE AND SITE PLANNING - BASIC FUNDAMENTALS
PROF. UTTAM KUMAR BANERJEE
IIT KHARAGPUR

27 INFRASTRUCTURE PLANNING AND MANAGEMENT
PROF. ASHWIN MAHALINGAM
IIT MADRAS

31 ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES
PROF. BRAJESH KUMAR DUBEY
IIT KHARAGPUR

28 ARCHITECTURAL CONSERVATION AND HISTORIC PRESERVATION
PROF. SANGHAMITRA BASU
IIT KHARAGPUR

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

- 12 WEEKS COURSE
- 08 WEEKS COURSE
- 04 WEEKS COURSE

EXAM DATE (2 sessions each)

31 March 2019 | 27 April 2019 | 28 April 2019
(SUNDAY) | (SATURDAY) | (SUNDAY)

FN : 09:00 AM - 12:00 PM | AN : 02:00 PM - 05:00 PM

ENROLLMENT CLOSE & COURSE START DATE
★ 28-JAN-2019   ★★ 25-FEB-2019

One Week
FDP Programme

On
"INTRODUCTION TO PYTHON PROGRAMMING"
06th MAY 2019 to 12th May 2019

REGISTRATION FORM

Full Name:...

Designation: ....

Department: ....

Institution: ....

Address: ....

....

....

E-mail   :

Mobile   :

Registration Category: Faculty/ Research Scholar / Student

Payment Details :

Name of the Bank :...

Branch and IFSC :..

DD No:..

DD Date:...

Signature and Seal   **Signature of the**
(Head of the Institution)   **Applicant**

Organizing Committee

Chief Patron
Alhaj. Er.A. Mohamed Yunus, B.E.,M.Sc.,(Engg)
Founder & Chairman

Organizing Chair & Convener:

Dr.X. Susan Christina,Ph.D.
Principal

Joint Organizing Secretary
Mr. R. Venkatesan
Assistant Professor /CSE

Important Dates

Receipt of Registration   **: 29-04-2019**

Confirmation by Participants   **: 02-05-2019**

Address for Correspondence

The Convener
MIET Engineering College
Gundur, Trichy – 620 007

Mobile   **: 9600077989**
Email-id   **: cse.hod@miet.edu**

One Week
FDP Programme

On
"INTRODUCTION TO PYTHON PROGRAMMING"

06th MAY 2019 to 12th May 2019

Organized by

Department of Computer Science and Engineering

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS

M.I.E.T ENGINEERING COLLEGE
GUNDUR, TRICHY – 620 007

Phone : 0431-2660 303, 2660922
Email: contact@miet.edu
Web   : www.miet.edu

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

About the Institution

The M.I.E.T. Society founded by Janab Alhaj. Er. A. Mohamed Yunus, an industrialist and educationalist and Alhaj S.M. Hassan Mohamed in the year 1984, offers high quality education in an under developed rural and semi-urban region of Tamil Nadu. This society runs the M.I.E.T. Polytechnic College established in the year 1984, the M.I.E.T. Arts and Science College established in 1993 and M.I.E.T. Engineering College in the year 1998 in one campus. The Institution is focused on providing a vibrant and research oriented environment for students so as to give them an edge when facing challenging technologies and competition in their academic pursuits. The institution offers six B.E./B.Tech. Degree programmes and five M.E/M.Tech. Degree programmes in addition to MBA. The college campus has a well-planned network of blocks with various amenities such as Nationalized Bank, modern Central Library, well equipped laboratories, excellent hostel facilities, well-furnished canteen and sports facilities.

About the Department-CSE

Computer Science and Engineering department offers both Under Graduate programme – B.E in Computer Science & Engineering and Post Graduate programs – M.E in Computer Science and Engineering. The UG department was established in the institution during the year 1998, with the intake of 40 and increased to 90 in the year 2004. PG was started in 2006 with the intake of 18. The Computer Science & Engineering department is committed to continuously improve the quality of education by enhancing the knowledge of student and staff members.

The department is strengthened with dedicated, qualified and experienced faculty members with specialization in various fields of interest. Fittingly, the department was accredited by National Board of Accreditation (NBA), New Delhi. It is well equipped with laboratories having the latest configurations and software tools with Internet facilities. The Department has a comprehensive curriculum of Anna University on topics related to all aspects of Computer Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments. The department presents a unique opportunity to study the exciting field with guidance of quality teachers.

THEME OF THE FDP

- **Introduction to Python Programming**
- **Algorithmic Problem Solving**
- **Data, Expression and Statements**
- **Control Flow**
- **Functions**
- **List**
- **Tuples**
- **Dictionaries**
- **Files**
- **Modules**
- **Packages**

FDP Preamble

This One week FDP would enlighten the participants about Basics of python programming and its applications.

Resource Persons

Dr.S.Geetha
BIT Campus, Anna university, Trichy

Dr. A. Valarmathi
BIT Campus, Anna university, Trichy

Dr. AnnaPoorani
BIT Campus, Anna university, Trichy

Target Participants

Faculty members and students from AICTE approved Engineering Colleges, research scholars, participants from industries and R&D organization with relavant background can apply.

Registration Fee Details

Faculty / Research Scholar / UG and
PG Students   : Rs.500/-
Industrial and R&D delegates   : Rs.750/-

The registration fee includes refreshments, lunch and kit.

The registration fee should be paid through DD drawn in favor of "The Principal, M.I.E.T. Engineering College" Payable at Trichy.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2018-2019

Report on Introduction to Python programming

The first part of the course cover problem solving aspects. Problem solving is the most important skill in computer science. To become a good computer programmer, the student has to acquire problem solving skills. Most of the time, the emphasis is on learning a programming language rather than on inculcating the problem solving skills. Hence, the students feel that programming hard. The difficulty faced by students in understanding the real world problems and developing computer solutions has motivated us to offer this course. This course is designed for use by freshmen students taking their first course in programming. It deals with the techniques needed to practice computational thinking, the art of using computers to solve problems and the ways the computers can be used to solve problems.

The Second part covers Python Programming. Python is ranked as the 6th popular language by Stack Overflow Developer Survey and ranked as the 4th most wanted technology of the year 2016.

It is the 2nd most popular programming language in the world based on the Popularity of Programming Language Index. Python is used in many domains fields from web and game development to machine learning, AI, scientific computing and academic research. It is easy to learn as a first language. Hence, the course covers the basic of Python Programming in detail and the advanced concepts in a lighter way. The course would definitely kindle the students' interest for further exploration

It is a rich tradition at M.I.E.T. Engineering College, Trichy to begin the academic year with Faculty Development Programs to orient the teachers towards adopting effective teaching and learning practices. The department of Computer Science and Engineering hosted a FDP on "Introduction to python programming "conducted by Eminent Professors Dr. S. Geetha, BIT Campus, Anna university, Trichy, Dr. A. Valarmathi, BIT Campus, Anna university, Trichy, Dr. AnnaPoorani, BIT Campus, Anna university, Trichy from 06.05.2019 to 13.05.2019 as a part of the Faculty Development Programme for faculty members of M. I. E. T. Engineering College and the faculties from affiliated colleges of Anna University, Chennai. The session began with a special prayer rendered by Mr. M. K. Mohamed Faizal for the well being of the teachers which was followed by Prof. R. Venkatesan's key note address which emphasized on the importance of python programming in the IT sectors.

The main **objectives** of Introduction to python programming FDP programme are,

* To know the basics of algorithmic problem solving

M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
Email: principalengg@miet.edu, contact@miet.edu
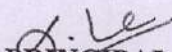Website: - www.miet.edu

Ph: 0431 – 2660 303

- To read and write simple Python programs.
- To develop Python programs with conditionals and loops.
- To define Python functions and call them.
- To use Python data structures — lists, tuples, dictionaries.
- To do input/output with files in Python

The following topics were covered during the 7 days Faculty Development Program,

- Introduction to Python Programming
- Algorithmic Problem Solving
- Data, Expression and Statements
- Control Flow
- Functions
- List
- Tuples
- Dictionaries
- Files
- Modules
- Packages

Outcomes:

- Develop algorithmic solutions to simple computational problems
- Read, write, execute by hand simple Python programs.
- Structure simple Python programs for solving problems.
- Decompose a Python program into functions.
- Represent compound data using Python lists, tuples, dictionaries.
- Read and write data from/to files in Python Programs.

PRINCIPAL

JUNE 2019 – MAR 2020.

Joy of Computing

Exam Date.
29.7.19 – 17.11.19.

NPTEL

To Enroll : https://swayam.gov.in/

swayam

Computer Science and Engineering	Instructor	Institute	Start Date	Exam Date
01. An Introduction To Programming Through C++	Prof. Abhiram Ranade	IITB	29-Jul-19	17-Nov-19
02. The Joy of Computing using Python	Prof. Sudarshan Iyengar	IITRopar	29-Jul-19	17-Nov-19
03. Problem Solving through Programming in C	Prof. Anupam Basu	IITKgp	29-Jul-19	16-Nov-19
04. Programming In Java	Prof. Debasis Samanta	IITKgp	29-Jul-19	16-Nov-19
05. Discrete Mathematics	Prof. Ligith Gopalan, Prof. Benny George K	IITG	29-Jul-19	17-Nov-19
06. Discrete Mathematics	Prof. Sudarshan Iyengar	IITRopar	29-Jul-19	17-Nov-19
07. Deep Learning	Prof. Prabir Kumar Biswas	IITKgp	29-Jul-19	16-Nov-19
08. Deep Learning - Part 1	Prof. Sudarshan Iyengar, Prof. Mitesh M. Khapra	IITM & IIT Ropar	29-Jul-19	16-Nov-19
09. Introduction to Machine Learning	Prof. Balaraman Ravindran	IITM	29-Jul-19	17-Nov-19
10. Applied Natural Language Processing	Prof. Ramaseshan R	CMI	29-Jul-19	16-Nov-19
11. Computer Vision	Prof. Jayanta Mukhopadhyay	IITKgp	29-Jul-19	16-Nov-19
12. Blockchain Architecture Design and Use Cases	Prof. Sandip Chakraborty & Dr. Praveen Jayachandran	IITKgp & IBM	29-Jul-19	17-Nov-19
13. Introduction to Internet of Things	Prof. Sudip Misra	IITKgp	29-Jul-19	17-Nov-19
14. Social Networks	Prof. Poonam Saini, Prof. Sudarshan Iyengar	PEC & IIT Ropar	29-Jul-19	16-Nov-19
15. Reinforcement Learning	Prof. Balaraman Ravindran	IITM	29-Jul-19	16-Nov-19
16. Ethical Hacking	Prof. Indranil Sengupta, Prof. S. K Ghosh	IITKgp	29-Jul-19	16-Nov-19
17. Software Engineering	Prof. Rajib Mall	IITKgp	29-Jul-19	17-Nov-19
18. Software Project Management	Prof. Rajib Mall and Prof. Durga Prasad Mohapatra	IITKgp	29-Jul-19	16-Nov-19
19. Software testing	Prof. Meenakshi D'souza	IIITB	29-Jul-19	17-Nov-19
20. Synthesis of Digital Systems	Prof. Preeti Ranjan Panda	IITD	29-Jul-19	17-Nov-19
21. Switching Circuits and Logic Design	Prof. Indranil Sengupta	IITKgp	29-Jul-19	17-Nov-19
22. Machine Learning for Engineering and Science Applications	Prof. Balaji Srinivasan and Prof. Ganapathy	IITM	29-Jul-19	17-Nov-19
23. Stochastic Bayesian Seach Methods for Probabilistic...	Prof. Deepak Khemani	IITM	29-Jul-19	16-Nov-19
24. Natural Language Processing	Prof. Pawan Goyal	IITKgp	29-Jul-19	16-Nov-19
25. Operating System Fundamentals	Prof. Santanu Chattopadhyay	IITKgp	29-Jul-19	17-Nov-19
26. Programming in C++	Prof. Partha Pratim Das	IITKgp	29-Jul-19	29-Sep-19
27. Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	29-Jul-19	29-Sep-19
28. Introduction to Programming in C	Prof. Satyadev Nandakumar	IITK	29-Jul-19	29-Sep-19
29. Data Base Management System	Prof. Partha Pratim Das	IITKgp	29-Jul-19	29-Sep-19
30. Introduction to Operating Systems	Prof. Chester Rebeiro	IITM	29-Jul-19	29-Sep-19
31. Introduction to Machine Learning	Prof. Sudeshna Sarkar	IITKgp	29-Jul-19	29-Sep-19
32. Data Science for Engineers	Prof. Ragunathan Rengasamy and Prof. Shankar Narasimhan	IITM	29-Jul-19	29-Sep-19
33. Scalable Data Science	Prof. Anirban Dasgupta and Prof. Sourangshu Bhattacharya	IITKgp	29-Jul-19	29-Sep-19
34. Advanced Computer Architecture	Prof. John Jose	IITG	29-Jul-19	29-Sep-19
35. Theory of Computation	Prof. Raghunath Tewari	IITK	29-Jul-19	29-Sep-19
36. Design and analysis of algorithms	Prof. Madhavan Mukund	CMI	26-Aug-19	17-Nov-19
37. Object oriented analysis and design	Prof. Partha Pratim Das	IITKgp	26-Aug-19	16-Nov-19
38. Cloud Computing	Prof. Soumya Kanti Ghosh	IITKgp	26-Aug-19	16-Nov-19
39. Hardware modeling using verilog	Prof. Indranil Sengupta	IITKgp	26-Aug-19	16-Nov-19
40. Spatial Informatics	Prof. Soumya K Ghosh	IITKgp	26-Aug-19	17-Nov-19
41. Modern Algebra	Prof. Manindra Agrawal	IITK	26-Aug-19	17-Nov-19
42. Introduction to Haskell Programming	Prof. Madhavan Mukund, Prof. S. P Suresh	CMI	26-Aug-19	16-Nov-19
43. Practical Machine Learning with Tensorflow	Ms. Ashish Tendulkar, Prof. B. Ravindran	IITM & Google	26-Aug-19	16-Nov-19
44. Human Computer Interactions	Prof. K. Ponnangaram	IITD	26-Aug-19	16-Nov-19
45. C Programming and Assembly Language	Prof. Janakiraman Viraraghavan	IITM	29-Jul-19	29-Sep-19
46. Computer networking	Prof. Sridhar Iyer	IITB	29-Jul-19	29-Sep-19
47. Introduction to parallel programming in Open MP	Prof. Yogish Sabharwal	IITD	26-Aug-19	17-Nov-19
48. Compiler Design	Prof. Ragunathan Rengasamy	IITM	26-Aug-19	16-Nov-19

Design Engineering				
01. System Design for Sustainability / Methods for Boundary Value Problems	Prof. Sharmistha Banerjee	IITG	26-Jul-19	16-Nov-19
02. Control systems	Prof. C.S.Shankar Ram	IITM	29-Jul-19	17-Nov-19
03. Ergonomics in Automotive Design	Prof. Sougata Karmakar	IITG	29-Jul-19	29-Sep-19
04. Ergonomics Workplace Analysis	Prof. Urmi R. Salve	IITG	29-Jul-19	29-Sep-19

12 Week   08 Week   04 Week   **ENROLLMENT IS FREE !!**

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

ENGLISH

INTER PERSONAL SKILLS - 29.7.19 to 29.9.19.

NPTEL

To Enroll : https://swayam.gov.in/

swayam

Humanities and Social Sciences

Instructor | Institute | Start Date | Exam Date

Multidisciplinary

12 Week 08 Week 04 Week

ENROLLMENT IS FREE !!

Accreditation & outcome based learning 26-8-19 - 17-11-19.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007

CIVIL - DESIGN OF STEEL STRUCTURES

— 29.7.19 – 17.11.19.

NPTEL

To Enroll : https://swayam.gov.in/

swayam

Civil Engineering

		Instructor	Institute	Start Date	Exam Date
01.	Foundation Engineering	Prof. Kousik Deb	IITKgp	29-Jul-19	16-Nov-19
02.	Design of Masonry Structures	Prof. Arun Menon	IITM	29-Jul-19	16-Nov-19
03.	Design of Reinforced Concrete Structures	Prof. Nirjhar Dhang	IITKgp	29-Jul-19	16-Nov-19
04.	Wastewater Treatment and Recycling	Prof. Manoj Kumar Tiwari	IITKgp	29-Jul-19	16-Nov-19
05.	Environmental Geotechnics	Prof. D. N. Singh	IITB	29-Jul-19	16-Nov-19
06.	Sustainable Materials and Green Buildings	Prof. B Bhattacharjee	IITD	29-Jul-19	16-Nov-19
07.	Glass in Buildings - Design And Applications	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass Academy	29-Jul-19	16-Nov-19
08.	Strength of Materials	Prof. Sriman Kumar Bhattacharyya	IITKgp	29-Jul-19	17-Nov-19
09.	Concrete Technology	Prof. B Bhattacharjee	IITD	29-Jul-19	17-Nov-19
10.	Design of steel structures	Prof. Damodar Maiti	IITKgp	29-Jul-19	17-Nov-19
11.	Structural analysis-I	Prof. Amit Shaw	IITKgp	29-Jul-19	17-Nov-19
12.	Integrated Waste Management for a Smart City	Prof. Brajesh Kumar Dubey	IITKgp	29-Jul-19	17-Nov-19
13.	Clinic Prospecting Technology	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass Academy	29-Jul-19	17-Nov-19
14.	Advanced Concrete Technology	Prof. Manu Santhanam	IITM	29-Jul-19	17-Nov-19
15.	Principles of Construction Management	Prof. Sudhir Misra	IITK	29-Jul-19	29-Sep-19
16.	Project Planning & Control	Prof. Koshy Varghese	IITM	29-Jul-19	29-Sep-19
17.	Matrix Method of Structural Analysis	Prof. Amit Shaw & Prof. Biswanath Banerjee	IITKgp	29-Jul-19	29-Sep-19
18.	Fluid Mechanics	Prof. Subhasisa Dutta	IITG	26-Aug-19	16-Nov-19
19.	Remote Sensing and Digital Image Processing of Satellite Data	Prof. Arun K. Saraf	IITR	26-Aug-19	16-Nov-19
20.	Photogeology in Terrain Evaluation (Part-1 and 2)	Prof. Javed N. Malik	IITK	26-Aug-19	17-Nov-19
21.	Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	26-Aug-19	17-Nov-19
22.	Geosynthetics Testing Laboratory	Prof. J. N. Mandal	IITB	29-Jul-19	29-Sep-19
23.	Geotechnical Engineering Laboratory	Prof. J. N. Mandal	IITB	29-Jul-19	29-Sep-19
24.	GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	29-Jul-19	29-Sep-19
25.	Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKgp	26-Aug-19	16-Nov-19
26.	Scheduling techniques in Projects	Prof. J. Uma Maheswari	IITD	26-Aug-19	16-Nov-19
27.	Structural Dynamics for Civil Engineers - SDOF systems	Prof. Riya Catherine George	IITK	26-Aug-19	17-Nov-19

Architecture

		Instructor	Institute	Start Date	Exam Date
01.	Role of Craft and Technology in Interior - Architecture	Prof. Smriti Saraswat	IITR	29-Jul-19	29-Sep-19
02.	Architectural Acoustics	Prof. Sumana Gupta and Prof. Sankha Pratim Bhattacharya	IITKgp	26-Aug-19	16-Nov-19
03.	Contemporary Architecture and Design	Prof. Saptarshi Kolay	IITR	26-Aug-19	16-Nov-19
04.	Disaster Recovery And Build Back Better	Prof. Ram Sateesh Pasupuleti & Prof. Subhajyoti Samaddar	IITR	26-Aug-19	17-Nov-19
05.	Culturally Responsive Built Environments	Prof. Ram Sateesh Pasupuleti	IITR	26-Aug-19	17-Nov-19

Earth Sciences

		Instructor	Institute	Start Date	Exam Date
01.	Structural Geology	Prof. Santanu Misra	IITK	29-Jul-19	17-Nov-19
02.	Geomorphic Processes Landforms and Landscapes	Prof. Javed N. Malik	IITK	26-Aug-19	17-Nov-19
03.	Global Navigation Satellite Systems And Applications	Prof. Arun K. Saraf	IITR	29-Jul-19	29-Sep-19

Ocean Engineering

		Instructor	Institute	Start Date	Exam Date
01.	HSE Practices for Offshore and Petroleum Industries	Prof. Srinivasan Chandrasekaran	IITM	29-Jul-19	16-Nov-19

Agriculture and Food Engineering

		Instructor	Institute	Start Date	Exam Date
01.	Fundamentals of Food Process Engineering	Prof. Jayeeta Mitra	IITKgp	29-Jul-19	16-Nov-19
02.	Dairy and Food process and products technology	Prof. Tridib Kumar Goswami	IITKgp	29-Jul-19	16-Nov-19
03.	Thermal Processing of Foods	Prof. R. Anandalakshmi	IITG	29-Jul-19	16-Nov-19
04.	Farm Machinery	Prof. VK Tewari	IITKgp	29-Jul-19	17-Nov-19
05.	Irrigation and Drainage	Prof. Damodhara Rao Mailapalli	IITKgp	29-Jul-19	17-Nov-19
06.	Thermal Operations in Food Process Engineering Theory and Applications	Prof. Tridib Kumar Goswami	IITKgp	29-Jul-19	17-Nov-19
07.	Organic Farming for Sustainable Agricultural Production	Prof. Dilip Kumar Swain	IITKgp	29-Jul-19	29-Sep-19

12 Week 08 Week 04 Week

ENROLLMENT IS FREE !!

Management

#	Course	Instructor	Institute	Start Date	Exam Date
01	Management Accounting	Prof. Anil K. Sharma	IITR	29-Jul-19	16-Nov-19
02	Financial Derivatives & Risk Management	Prof. J. P. Singh	IITR	29-Jul-19	16-Nov-19
03	Data Analysis & Decision Making - II	Prof. Raghu Nandan Sengupta	IITK	29-Jul-19	16-Nov-19
04	Human Resource Development	Prof. K.B. Srivastava	IITKgp	29-Jul-19	16-Nov-19
05	Performance and Reward Management	Prof. Sushmita Mukhopadhyay	IITKgp	29-Jul-19	16-Nov-19
06	E-Business	Prof. Manoj Jananani	IITKgp	29-Jul-19	16-Nov-19
07	Project Management for Managers	Prof. Mukesh Kumar Barua	IITR	29-Jul-19	17-Nov-19
08	Training Of Trainers	Prof. Santosh Rangnekar	IITR	29-Jul-19	17-Nov-19
09	Working Capital Management	Prof. Anil K. Sharma	IITR	29-Jul-19	17-Nov-19
10	Project Management	Prof. Raghu Nandan Sengupta	IITK	29-Jul-19	29-Sep-19
11	Knowledge Management	Prof. K.B.L. Srivastava	IITKgp	29-Jul-19	29-Sep-19
12	Behavioural Leadership	Prof. Abani Mohanty	IITKgp	29-Jul-19	29-Sep-19
13	Financial Accounting	Prof. Varadraj Bapat	IITB	29-Jul-19	29-Sep-19
14	Decision making using financial accounting	Prof. G. Arun Kumar	IITM	29-Jul-19	29-Sep-19
15	Business Analytics & Text Mining Modeling Using Python	Prof. Gaurav Dixit	IITR	29-Jul-19	29-Sep-19
16	Marketing Management-I	Prof. Jayanta Chatterjee & Prof. Shashi Shekhar Mishra	IITK	29-Jul-19	29-Sep-19
17	Introduction of Health and Health Care	Prof. Jaygan Sengupta	IITK	29-Jul-19	29-Sep-19
18	Sustainability	Prof. Aradhna Malik	IITKgp	29-Jul-19	29-Sep-19
19	Industrial Education	Prof. Debasis Chakrabarty	IITKgp	29-Jul-19	29-Sep-19
20	Intellectual Property Rights and Competition Law	Prof. KD Raju & Prof. Niharika Sahoo Bhattacharya	IITKgp	29-Jul-19	29-Sep-19
21	Patent Search for Engineers and Lawyers	Prof. M. Padmavati & Prof. Gouri Gargate	IITKgp	29-Jul-19	29-Sep-19
22	Practitioners Course in Descriptive, Predictive And Prescriptive Analytics	Prof. Deepu Philip / Prof. Amandeep Singh / Mr. Sanjeev Newar	IITK	26-Aug-19	16-Nov-19
23	Toyota Production System	Prof. Rajat Agarwal	IITR	26-Aug-19	16-Nov-19
24	Marketing research and analysis	Prof. J.K. Nayak	IITR	26-Aug-19	17-Nov-19
25	Innovation, Business Models and Entrepreneurship	Prof. Rajat Agarwal, Prof. Vinay Sharma	IITR	26-Aug-19	17-Nov-19
26	Leadership	Prof. Kalyan Chakravarti and Prof. Taheena Mukherjee	IITKgp	29-Jul-19	29-Sep-19
27	Cost Accounting	Prof. Varadraj Bapat	IITB	29-Jul-19	29-Sep-19
28	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	IITR	29-Jul-19	29-Sep-19
29	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	IITM	29-Jul-19	29-Sep-19
30	Decision Making Under Uncertainty	Prof. N. Gautam	Texas A&M Univ.	26-Aug-19	17-Nov-19

Chemical Engineering

#	Course	Instructor	Institute	Start Date	Exam Date
01	Chemical Engineering Thermodynamics	Prof. Jayant K. Singh	IITK	29-Jul-19	16-Nov-19
02	Chemical Process Intensification	Prof. Subrata Kumar Majumder	IITG	29-Jul-19	16-Nov-19
03	Flow through porous media	Prof. Somenath Ganguly	IITKgp	29-Jul-19	16-Nov-19
04	Heat Transfer	Prof. Sunando DasGupta	IITKgp	29-Jul-19	16-Nov-19
05	Introduction to Polymer Physics	Prof. Prateek Kumar Jha	IITR	29-Jul-19	16-Nov-19
06	Hydrodynamics of Particle and Fluid Solid Processing	Prof. Arnab Atta	IITKgp	29-Jul-19	16-Nov-19
07	Mass Transfer Operations II	Prof. Chandan Das	IITG	29-Jul-19	16-Nov-19
08	Chemical Process Safety	Prof. Shishir Sinha	IITR	29-Jul-19	17-Nov-19
09	Chemical Reaction Engineering-I	Prof. Bishnupada Mandal	IITG	29-Jul-19	17-Nov-19
10	Fluid and Particle Mechanics	Prof. Sumesh & Prof. Basavaraju	IITM	29-Jul-19	17-Nov-19
11	Continuum Mechanics and Transport Phenomena	Prof. T. Renganathan	IITM	29-Jul-19	17-Nov-19
12	Mechanical Unit Operations	Prof. Nanda Kishore	IITG	26-Jul-19	17-Nov-19
13	Natural Gas Engineering	Prof. Pankaj Tiwari	IITG	29-Jul-19	29-Sep-19
14	Phase Equilibrium Thermodynamics	Prof. Gargi Das	IITKgp	29-Jul-19	29-Sep-19
15	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	IITR	29-Jul-19	29-Sep-19
16	Infrared Spectroscopy for Pollution Monitoring	Prof. J.R. Mudakavi	IISc	29-Jul-19	29-Sep-19
17	Unit operations of particulate matter	Prof. Shabina Khanam	IITR	29-Jul-19	29-Sep-19

Textile Technology

#	Course	Instructor	Institute	Start Date	Exam Date
01	Textile Finishing	Prof. Kushal Sen	IITD	29-Jul-19	16-Nov-19
02	Science of Clothing Comfort	Prof. Apurba Das	IITD	29-Jul-19	16-Nov-19
03	Principles of Combing, Roving preparation & Ring spinning	Prof. R Chattopadhyay	IITD	29-Jul-19	17-Nov-19
04	Science and Technology of Weft and Warp Knitting	Prof. Sipin Kumar	IITD	29-Jul-19	17-Nov-19
05	Yarn manufacture I: Principle of Carding and Drawing	Prof. R Chattopadhyay	IITD	29-Jul-19	29-Sep-19

12 Week · 08 Week · 04 Week   **ENROLLMENT IS FREE !!**

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

One Week FDP Programme

On
"TEACHING LEARNING METHODS TOWARDS OUTCOME BASED EDUCATION"
16th Dec 2019 to 22nd Dec 2019

REGISTRATION FORM

Full Name:...

Designation: ....

Department: ....

Institution: ....

Address: ....

....

....

E-mail   :

Mobile   :

Registration Category: Faculty/ Research Scholar / Student

Payment Details :

Name of the Bank :..

Branch and IFSC :...

DD No:..

DD Date:...

Signature and Seal	**Signature of the**
(Head of the Institution)	**Applicant**

Organizing Committee

Chief Patron
Alhaj. Er.A. Mohamed Yunus, B.E.,M.Sc.,(Engg)
Founder & Chairman

Organizing Chair & Convener:

Dr.A. Naveen Sait,Ph.D.
Principal

Joint Organizing Secretary

Mrs. A. Barveen
Assistant Professor /CSE

Important Dates

Receipt of Registration   : 09-12-2019

Confirmation by Participants   : 12-12-2019

Address for Correspondence

The Convener
MIET Engineering College
Gundur, Trichy – 620 007

Mobile   : 9952848099
Email-id   : cse.hod@miet.edu

MIET
Mohamed Institute of Education & Technology
INSTITUTIONS

M.I.E.T ENGINEERING COLLEGE
GUNDUR, TRICHY – 620 007

Phone : 0431-2660 303, 2660922
Email: contact@miet.edu
Web   : www.miet.edu

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-...

About the Institution

The M.I.E.T. Society founded by Janab Alhaj. Er. A. Mohamed Yunus, an industrialist and educationalist and Alhaj S.M. Hassan Mohamed in the year 1984, offers high quality education in an under developed rural and semi-urban region of Tamil Nadu. This society runs the M.I.E.T. Polytechnic College established in the year 1984, the M.I.E.T. Arts and Science College established in 1993 and M.I.E.T. Engineering College in the year 1998 in one campus. The Institution is focused on providing a vibrant and research oriented environment for students so as to give them an edge when facing challenging technologies and competition in their academic pursuits. The institution offers six B.E./B.Tech. Degree programmes and five M.E/M.Tech. Degree programmes in addition to MBA. The college campus has a well-planned network of blocks with various amenities such as Nationalized Bank, modern Central Library, well equipped laboratories, excellent hostel facilities, well-furnished canteen and sports facilities.

About the Department-CSE

Computer Science and Engineering department offers both Under Graduate programme – B.E in Computer Science & Engineering and Post Graduate programs – M.E in Computer Science and Engineering. The UG department was established in the institution during the year 1998, with the intake of 40 and increased to 90 in the year 2004. PG was started in 2006 with the intake of 18. The Computer Science & Engineering department is committed to continuously improve the quality of education by enhancing the knowledge of student and staff members.

The department is strengthened with dedicated, qualified and experienced faculty members with specialization in various fields of interest. It is well equipped with laboratories having the latest configurations and software tools with Internet facilities. The Department has a comprehensive curriculum of Anna University on topics related to all aspects of Computer Software with an emphasis on practical learning. The course structure is up-to-date and includes courses on nascent topics to equip our students with the latest developments. The department presents a unique opportunity to study the exciting field with guidance of quality teachers.

THEME OF THE FDP

- Establishment of Mission Statements
- Mapping of Mission statements with PEO
- Blooms Taxonomy
- Mapping of Programming Educational Objectives
- Defining Course Objective
- Defining of pedagogical tools for course outcome delivery
- Preparation of session wise course lesson planner
- Defining rubrics

FDP Preamble

This One week FDP would enlighten the participants to recognize diversity among students by using various teaching and assessment techniques during their class

Resource Persons

Dr. M. Planinatha raja
Thiagarajar college of Engineering, Madurai.

Dr. Abudahir
Vel tech University, Vellore.

Dr.S. Prabu
Vellore Institute of Technology, Vellore

Target Participants

Faculty members and students from AICTE approved Engineering Colleges, research scholars, participants from industries and R&D organization with relavant background can apply.

Registration Fee Details

Faculty / Research Scholar / UG and
PG Students : Rs.500/-
Industrial and R&D delegates : Rs.750/-

The registration fee includes refreshments, lunch and kit.

The registration fee should be paid through DD drawn in favor of "The Principal, M.I.E.T. Engineering College" Payable at Trichy.

M.I.E.T. ENGINEERING COLLEGE
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi.
TRICHY – PUDUKKOTTAI ROAD, TIRUCHIRAPPALLI – 620 007.
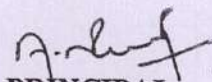Email: principalengg@miet.edu, contact@miet.edu
Website: - www.miet.edu

Ph: 0431 – 2660 303

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

2019-2020

Report on Teaching Learning Methods towards Outcome Based Education

Outcome-based education or outcomes-based education (OBE) is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience, each student should have achieved the goal. There is no single specified style of teaching or assessment in OBE; instead, classes, opportunities, and assessments should all help students achieve the specified outcomes. The role of the faculty adapts into instructor, trainer, facilitator, and/or mentor based on the outcomes targeted.

Outcome-based methods have been adopted in education systems around the world, at multiple levels. Australia and South Africa adopted OBE policies from the 1990s to the mid 2000s, but were abandoned in the face of substantial community opposition.

It is a rich tradition at M.I.E.T. Engineering College, Trichy to begin the academic year with Faculty Development Programs to orient the teachers towards adopting effective teaching and learning practices. The department of Computer Science and Engineering hosted a FDP on "Introduction to python programming "conducted by Eminent Professors Dr. M. Planinatha raja, Thiagarajar college of Engineering, Madurai, Dr. Abudahir, Veltech University, Vellore, Dr. S. Prabu, Vellore Institute of Technology, Vellore from 16.12.2019 to 22.12.2019 as a part of the Faculty Development Programme for faculty members of M. I. E. T. Engineering College and the faculties from affiliated colleges of Anna University, Chennai. The session began with a special prayer rendered by Mr. M. K. Mohamed Faizal for the well being of the teachers which was followed by Prof. A Barveen's key note address which emphasized on the Teaching and learning methods to be adopted towards outcome based education..

The main **objectives** of Teaching Learning Methods towards Outcome Based Education FDP programme are to improve the traditional teaching style towards the outcome based. The traditional teaching style is often described as teacher-centered, lectures, curriculum centered, and formal in other words transmitting information from the teacher to the student. The traditional learning provides the learner with knowledge or skills, or both, but they are not coupled to a specific context – so the learning takes place in a vacuum and cannot be regarded as outcomes-based learning. It belongs to the input part of the learning process.

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.

The following topics were covered during the 7 days Faculty Development Program,

- Establishment of Mission Statements

- Mapping of Mission statements with PEO

- Blooms Taxonomy

- Mapping of Programming Educational Objectives

- Defining Course Objective

- Defining of pedagogical tools for course outcome delivery

- Preparation of session wise course lesson planner

- Defining rubrics

Outcomes:

To compete in a global economy in a highly technological era, a country requires a workforce that: can solve problems, is committed to ongoing learning, is creative, has above-average communication skills, is in line with new technological developments, is flexible, can participate in management processes and decision-making and can work interactively.

PRINCIPAL

PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPPALLI-620 007.