A TWO-WEEK CERTIFICATE PROGRAM

ON

IOT APPLICATIONS IN DIFFERENT SECTORS

PRAGATI ENGINEERING COLLEGE

Name:

Year & Sem:

Department:

Organisation:

Educational Qualification:

Address:

Mobile Number:

E-mail:

Place:

Date:

Signature of the applicant

(Signature of the organization head with Seal)
[Photocopy of the Registration form may also be used for additional Registration]

ORGANISING COMMITTEE

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Dr. P. Krishna Rao
Chairman

Patrons
Sri. M. V. Haranatha Babu,
Director (Management)
Sri. M. Satish, **Vice President**
Dr. S. Sambhu Prasad, Principal

Convener
Dr. K. Satyannarayana
Head of the Department, EEE.

Coordinator
Ms. P. Sandhya
Assistant Professor, EEE.

For any enquiry contact:
Mobile No:9[illegible]
E-mail: hodeee@pragati.ac.in

PRAGATI ENGINEERING COLLEGE
(Autonomous)
ADB Road, Surampalem, E. G. District, A.P.- 533437
(Approved by AICTE & Permanently affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' grade)

"learning is Supreme Duty"

A TWO-WEEK CERTIFICATE PROGRAM

ON

IOT APPLICATIONS IN DIFFERENT SECTORS

(January 22nd to February 8th, 2021)

Organized by
Department of EEE

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Pedapuram, E.G.Dt. (AP)-533 437

About the College

Pragati Engineering College (Autonomous) is established in the year 2001, by M/S Gayatri Educational Society in Surampalem, E. G. Dist, A.P. The Institution is accredited by NAAC with 'A' grade in the year 2015 and attained the Autonomous status in the year 2016. Pragati has been graded as gold in the AICTE Survey of Industries linked technical institutions-2016.

It is rated 'A' grade by knowledge mission, Government of India. Pragati has been designated as Center of Excellence [Knowledge Exchange Center] by M/S Infosys Ltd. College attained for AAA rating for the year 2020 by Careers 360 and has been ranked one among the top 10 colleges in A.P. by Silicon India. Three Departments of ME, CSE and ECE are recognized as Research Centres. The institution stood 21st Position and also considered as active local chapter by SWAYAM-NPTEL.

PRAGATI ENGINEERING COLLEGE focuses on imparting skills on cutting – edge technologies and shaping the students into disciplined young citizens of good character and lays emphasis on practical experience so as to enable them to secure employment in industry thereby to become entrepreneurs. The courses are so structured which leads to a linear growth and progressive insight into the engineering subjects as well as training in soft skills. Since inception in 2001, in its quest to offer quality education, our college has become a temple of knowledge and produced hundreds of eminent and skill full graduate engineers, who are successful in their careers, serving all over the world.

About the Department

The department of EEE is offering one UG program B.Tech EEE, one PG Program-MTECH (Power Electronics and Electric Drives). The department is recognized as Research Center by JNTUK, Kakinada.

The Electrical and Electronics Engineering department of this college is started with the objective of giving best "Technical Education" to aspire Electrical Engineers. This department provides an environment where young minds can grow to their full potential and become strong, principled and committed citizens of the country.

This department faculty consists of experienced Professors, qualified & dedicated Associate Professors and young & dynamic Assistant Professors who work with commitment to give their best to the young Engineers.

Resource Person

Mr. M Mani Shankar
Assistant Professor, EEE
Pragati Engineering College

Program Objectives

- To know about the applications of IOT in various sectors
- IoT helps minimise costs, maintain databases, and reduce waste in the healthcare industry.

Topics Covered

- Agriculture
- Healthcare
- Retail
- Hospitality
- Transportation and Logistics
- Applications of IoT in Smart homes and smart cities

Program Outcomes

- The Internet of Things (IoT) is changing the way of life and work.
- As a result, students get to know that there will be no shortage of new business opportunities in the coming years

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Ph. 08852 – 252233, 34, Website: www.pragati.ac.in

Department of Electrical and Electronics Engineering

Date: 18/01/2021

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering that **"A Two-Week Certificate Program on IoT Applications in different sectors"** is going to be conducted from 22/01/2021 to 08/02/2021. All the interested students are requested to register their names in the department office on or before 21/01/2021. The details of the program will be available in the brochure.

Venue: Room No: G-10(Ground floor)

HOD -EEE

PRAGATI ENGINEERING COLLEGE (A) EEE-HOD SURAMPALEM

Copy to:

1. Principal Office
2. All Dept HOD's
3. Dept Notice Board

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Ph: 08852 – 252233, 34 Website: www.pragati.ac.in

Date: 19/01/2021

Week/Day-wise Schedule

Name of the Program: "A Two-Week Certificate Program on IoT Applications in different sectors"

S.No	Day	Date	Topics to be covered
1.	Friday	22/01/2021	Overview of Sectors that can Benefit the Most from IoT Development
2.	Saturday	23/01/2021	Agriculture: Agricultural Drones, Greenhouse Automation, Monitoring climate conditions, Cattle monitoring
3.	Monday	25/01/2021	Energy: Remote assets monitoring and management, Grid balancing, Load forecasting etc
4.	Wednesday	27/01/2021	Finance
5.	Thursday	28/01/2021	Healthcare: Remote monitoring of patient's health, Asset management etc
6.	Friday	29/01/2021	Manufacturing
7.	Saturday	30/01/2021	Retail: Smart inventory management, Automated checkout, etc
8.	Monday	01/02/2021	Hospitality
9.	Tuesday	02/02/2021	Transportation and Logistics
10.	Wednesday	03/02/2021	Applications of IoT in smart cities: Smart lighting, Smart traffic management
11.	Thursday	04/02/2021	Smart water management, Smart waste management
12.	Friday	05/02/2021	Infrastructure management, Disaster management
13.	Saturday	06/02/2021	Parking solutions
14.	Monday	08/02/2021	Applications of IoT in smart homes

Program Coordinator

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Ph: [illegible] Website: www.pragati.ac.in

List of Registered Students

Name of the Program: "A Two-Week Certificate Program on IoT Applications in Different sectors"

Duration: 22/01/2021 to 08/02/2021 (2 weeks)

A.Y: 2020-2021

S. no	PIN Number	Name of the Student	Department	Signature
1	17A31A0201	Boddeti Priyanka	EEE	Priyanka
2	17A31A0202	Immandi Sindhu	EEE	I. Sindh
3.	17A31A0203	Jyothula Rama Lakshmi	EEE	J R Lakshmi
4.	17A31A0204	Kakarlapudi Snigdha	EEE	K Snigdha
5.	17A31A0205	Kantipudi Sirisha	EEE	K. Sirisha
6.	17A31A0208	Mavireddy Vijaya Lakshmi	EEE	M. Vijaya
7.	17A31A0210	Moparthi Sruti	EEE	M. Sruthi
8.	17A31A0213	Peddinti V L Sai Sruthi	EEE	Sruthi
9.	17A31A0214	Sathi Keerthi Priyanka	EEE	S Priyanka
10.	17A31A0215	Sorapalli Naga Sri Hari Priya	EEE	S. Priya.
11.	17A31A0220	Vennapu Satyavathi	EEE	Satyavathi
12.	17A31A0222	Yendamuri Bhavyasri	EEE	Bhavyasri
13.	17A31A0231	Gollapalli Satya Subhash	EEE	S. Subhash
14.	17A31A0232	Jasthi Yogi Naga Sai Ram	EEE	Sai Ram
15.	17A31A0233	K Kanishka Chowdary	EEE	Chowdary
16.	17A31A0234	Kanthamreddy Uma Sai	EEE	K. Uma Sai
17.	17A31A0239	Manukonda Govardhan Reddy	EEE	M. G. Reddy
18.	17A31A0240	Matta Pavan Kumar	EEE	M Pavan
19.	18A35A0201	Chekuri Dharani Chowdary	EEE	[illegible]
20.	18A35A0202	Gandharapu Vishali	EEE	Vishali
21.	18A35A0203	Teki Bhavani	EEE	Bhavani
22.	18A35A0204	Bonthu Pradeep Kumar	EEE	Pradeep Kumar

Program Coordinator

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on IoT Applications in Different sectors" A.Y: 2020-21

S.no	PIN Number	22/1	23/1	25/1	27/1	28/1	29/1	30/1	1/2	1/2	2/2	3/2	4/2	5/2	6/2	7/2	Feedback
1.	17A31A0201	P	P	P	P	P	P	A	P	A	P	P	P	P	A	P	A
2.	17A31A0202	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	A
3.	17A31A0203	P	P	P	A	P	A	P	P	A	P	P	A	P	P	P	c
4.	17A31A0204	A	P	P	P	P	P	A	P	P	P	P	P	A	A	P	b
5.	17A31A0205	P	P	A	P	P	A	P	A	P	P	P	A	P	P	P	[illegible]
6.	17A31A0208	P	P	P	A	A	P	A	P	A	A	P	P	P	A	P	[illegible]
7.	17A31A0210	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A	[illegible]
8.	17A31A0213	P	P	A	P	P	P	A	P	P	P	P	A	P	P	A	A
9.	17A31A0214	P	P	P	A	P	A	P	A	P	P	P	P	P	A	P	A
10	17A31A0215	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A	c
11	17A31A0220	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	[illegible]
12	17A31A0222	P	P	A	P	P	A	P	A	P	P	P	A	P	P	P	D
13	17A31A0231	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	C
14	17A31A0232	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	d
15	17A31A0233	P	P	A	P	P	A	A	P	A	P	P	P	P	A	P	D
16	17A31A0234	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	[illegible]
17	17A31A0239	P	P	P	P	A	P	P	A	P	P	A	P	P	P	A	[illegible]

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on IoT Applications in Different sectors"

A.Y: 2020-21

18	17A31A0240	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	
19	18A35A0201	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A
20	18A35A0202	P	P	P	A	P	P	A	A	P	P	A	P	A	P	P	P	A
21	18A35A0203	P	P	A	P	P	A	P	P	P	P	A	P	A	P	P	P	C
22	18A35A0204	P	P	P	A	P	P	P	A	P	P	P	A	A	P	P	P	

Program Coordinator

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Feedback form

Date: 8/2/2021

Department : EEE

Academic Year : 2020 -21

Name of the Speaker : M. Mani Shankar

Title of the Program : IoT Applications in Different sectors

Duration : 22/1/2021 to 8/2/2021

Please evaluate on a scale of 5 ;

5- Excellent 4- Very Good 3- Average 2- Poor 1- Avoid in Future

1. Usefulness of Topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the Topic useful for career : Yes/No ✓
5. Suggestions if any :

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Ph: 08852 – 252233, 34 Website: www.pragati.ac.in

Feedback form

Date: 8/2/2021

Department : EEE

Academic Year : 2020-21

Name of the Speaker : M. Mani Shankar

Title of the Program : IOT Applications in Different sectors

Duration : 22/1/2021 to 8/2/2021

Please evaluate on a scale of 5 ;

5- Excellent 4- Very Good 3- Average 2- Poor 1- Avoid in Future

1. Usefulness of Topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the Topic useful for career : Yes/No
5. Suggestions if any :

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(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act 1956)
Ph: 08857 – 253733, 34 Website: www.pragati.ac.in

Date: 10/02/2021

PROGRAM REPORT

Name of the Program : "A Two-Week Certificate Program on IoT Applications in Different sectors"

Date/Duration : January 22nd to February 8th, 2021, 14 days

Resource Person : Mr. M. Mani Shankar

Assistant Professor, EEE, Pragati Engineering College

E-Mail ID: manishankar.m@pragati.ac.in, Cell: 9000681167

Program Objective : The objective of this course is

- To know about the applications of IOT in various sectors
- IoT helps minimise costs, maintain databases, and reduce waste in the healthcare industry.
- It helps manufacturing industries to keep track of all the processes, resource allocation, and controlling costs

Topics Covered : The following topics are covered

- Agriculture
- Healthcare
- Retail
- Hospitality
- Transportation and Logistics
- Applications of IoT in smart cities
- Applications of IoT in smart homes

Program Outcome : Outcome of the program is,

- Companies large and small have been experimenting with the technology behind IoT — sensors and networks
- The Internet of Things (IoT) is changing the way of life and work.
- As a result, students get to know that there will be no shortage of new business opportunities in the coming years

Name of the Coordinator : Ms. P. Sandhya, Assistant Professor, EEE.

No of the Participants : 22

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Program Coordinator

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on

IoT Applications in different sectors

- Certificate of Participation -

This is to certify that Mr./Ms. Boddeti Priyanka has participated in a Two Week certificate Programme on "IoT Applications in different sectors" organized by Department of Electrical and Electronics Engineering from 22-01-2021 to 08-02-2021

Ms.P. Sandhya
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. Sharath
Principal

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PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on

IoT Applications in different sectors

- Certificate of Participation -

This is to certify that Mr./Ms. Immandi Sindhu has participated in a Two Week certificate Programme on "IoT Applications in different sectors" organized by Department of Electrical and Electronics Engineering from 22-01-2021 to 08-02-2021

Ms. P. Sandhya
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. Shambhu Prasad
Principal

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9

A TWO WEEK CERTIFICATE PROGRAM

ON

Recent Trends and Technology

(7th to 22nd April 2021)

PRAGATI ENGINEERING COLLEGE

Name:

Year & Sem:

Department:

Organisation:

Educational Qualification:

Address:

Mobile Number:

E-mail:

Place:

Date:

Signature of the applicant

(Signature of the organization head with Seal)
[Photocopy of the Registration form may also be used for additional Registration]

9

ORGANISING COMMITTEE

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Dr. P. Krishna Rao
Chairman

Patrons
Sri. M. V. Haranatha Babu,
Director (Management)
Sri. M. Satish, Vice President
Dr. S. Sambhu Prasad, Principal

Convener
Dr. K. Satyannarayana
Head of the Department, EEE.

Coordinator
Mrs. S. Varalakshmi
Assistant Professor, EEE.

For any enquiry contact:
Mobile No.9[illegible]
E-mail: hodeee@pragati.ac.in

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A TWO-WEEK CERTIFICATE PROGRAM

ON

Recent Trends and Technology

(7th to 22nd April, 2021)

Organized by
Department of EEE

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This department faculty consists of experienced Professors, qualified & dedicated Associate Professors and young & dynamic Assistant Professors who work with commitment to give their best to the young Engineers.

Resource Person

Mr. D. Prakash Rao
Assistant Professor, E.E.E.,
VSM Engineering College

Program Objectives

- To provide basic knowledge about emerging trends and related buzz words of ICT industry
- To provide basic knowledge and glimpses about readymade software applications, their design and application areas

Topics Covered

- Computing Power
- Smarter Devices
- Artificial Intelligence (AI) and Machine Learning
- Extended Reality
- Digital Trust, Block chain
- 3D Printing, IOT

Program Outcome

- To provide fundamental information regarding the emerging trends of ICT industry
- To know Advantages and applications

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Ph: 08852 – 252233, 34, Website: www.pragati.ac.in

Department of Electrical and Electronics Engineering

Date: 03/04/2021

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering that **"A Two-Week Certificate Program on Recent Trends and Technology"** is going to be conducted from 07/04/2021 to 22/04/2021. All the interested students are requested to register their names in the department office on or before 06/04/2021. The details of the program will be available in the brochure.

Venue: Room No: G-9(Ground floor)

HOD -EEE

PRAGATI ENGINEERING COLLEGE EEE-HOD SURAMPALEM

Copy to:

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2. All Dept HOD's
3. Dept Notice Board

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Ph: 08853 – 252233, 34, Website: www.pragati.ac.in

Date: 05/04/2021

Week/Day-wise Schedule

Name of the Program: "A Two-Week Certificate Program on Recent Trends and Technology"

S.No	Day	Date	Topics to be covered
1.	Wednesday	07/04/2021	Overview of Various Technologies
2.	Thursday	08/04/2021	Computing Power: AI Engineer, Robotics Researcher etc
3.	Friday	09/04/2021	Smarter Devices
4.	Saturday	10/04/2021	Datafication
5.	Monday	12/04/2021	Artificial Intelligence (AI) and Machine Learning
6.	Tuesday	13/04/2021	Extended Reality
7.	Wednesday	14/04/2021	Digital Trust
8.	Thursday	15/04/2021	3D Printing
9.	Friday	16/04/2021	Genomics
10.	Saturday	17/04/2021	New Energy Solutions: Results in cars running on electricity or battery and houses using greener choices like solar and renewable energy
11.	Monday	19/04/2021	Quantum Computing
12.	Tuesday	20/04/2021	Virtual Reality and Augmented Reality
13.	Wednesday	21/04/2021	Block chain
14.	Thursday	22/04/2021	Internet of Things (IoT)

Program Coordinator

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(Recognized by UGC Under sections 2(f) and 12(B) of UGC Act, 1956)

Ph: 08857-251511, 251411, Website: www.pragati.ac.in

List of Registered Students

Name of the Program: A Two Week Certificate Program on Recent Trends and Technologies

Duration: 07.04.2021 to 22.04.2021 (2 weeks)

A.Y: 2020-21

S. no	PIN Number	Name of the Student	Department	Signature
1.	17A31A0202	Immandi Sindhu	EEE	
2.	17A31A0203	Jyothula Rama Lakshmi	EEE	
3.	17A31A0204	Kakarlapudi Snigdha	EEE	
4.	17A31A0205	Kantipudi Sirisha	EEE	
5.	17A31A0208	Mavireddy Vijaya Lakshmi	EEE	
6.	17A31A0210	Moparthi Sruti	EEE	
7.	17A31A0213	Peddinti V L Sai Sruthi	EEE	
8.	17A31A0214	Sathi Keerthi Priyanka	EEE	
9.	17A31A0215	Sorapalli Naga Sri Hari Priya	EEE	
10.	17A31A0220	Vennapu Satyavathi	EEE	
11.	17A31A0222	Yendamuri Bhavyasri	EEE	
12.	17A31A0231	Gollapalli Satya Subhash	EEE	
13.	17A31A0232	Jasthi Yogi Naga Sai Ram	EEE	
14.	17A31A0233	K Kanishka Chowdary	EEE	
15.	17A31A0234	Kanthamreddy Uma Sai	EEE	
16.	17A31A0239	Manukonda Govardhan Reddy	EEE	
17.	17A31A0240	Matta Pavan Kumar	EEE	
18.	17A31A0242	Pampana Venkata Siva Sai Ram	EEE	
19.	17A31A0243	Ramireddy Raju	EEE	
20.	17A31A0244	Ravipati Akhil Ganesh	EEE	
21.	17A31A0245	Ryali Abhirama Sasidhar	EEE	
22.	17A31A0246	Sanipilli Sai Satish	EEE	
23.	17A31A0247	Kovvuri Venkata Reddy	EEE	

Program Coordinator

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

A.Y. 2020-21

Name of the Program: "A Two-Week Certificate Program on Recent Trends and Technology"

S.no	PIN Number	7/4	8/4	9/4	10/4	12/4	13/4	14/4	15/4	16/4	17/4	19/4	20/4	21/4	22/4	23/4	Feedback
1	17A31A0202	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	17A31A0203	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	17A31A0204	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	17A31A0205	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	17A31A0208	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	17A31A0209	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	
7	17A31A0213	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P	
8	17A31A0214	A	P	P	P	P	P	P	P	P	A	A	P	P	P	P	
9	17A31A0219	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	
10	17A31A0220	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	
11	17A31A0222	P	P	A	P	A	P	P	P	P	P	P	P	A	P	P	
12	17A31A0231	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	
13	17A31A0232	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	
14	17A31A0233	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	
15	17A31A0234	P	P	A	P	P	P	P	P	P	P	A	P	P	A	P	
16	17A31A0239	P	P	P	P	A	P	P	P	P	P	P	A	A	P	P	
17	17A31A0240	P	P	P	P	A	P	P	P	P	P	P	P	P	A	A	

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

Name of the Program: A One-Week Certificate Program on Recent Trends and Technology

A.Y. 2020-21

18	17A31A0242	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	
19	17A31A0243	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	
20	17A31A0244	P	P	A	P	P	P	P	P	A	P	P	A	P	A	P	
21	17A31A0245	A	A	P	P	P	P	P	P	P	P	P	A	P	P	P	
22	17A31A0246	P	P	A	P	A	P	P	P	P	P	P	A	P	A	P	
23	17A31A0247	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	

Program Coordinator

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Feedback form

Date: 22/4/21

Department : EEE

Academic Year : 2020-21

Name of the Speaker : B. Mahijashree

Title of the Program : Recent trends and Technology.

Duration : 7/4/2021 22/4/2021

Please evaluate on a scale of 5 ;

5- Excellent 4- Very Good 3- Average 2- Poor 1- Avoid in Future

1. Usefulness of Topic : 4
2. Method of Delivery : 5
3. Related to Subject : 3
4. Is the Topic useful for career : ✓ Yes/No
5. Suggestions if any : It is very helpful for me. Because I have gained much knowledge from it.

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Feedback form

Date: 22/4/21

Department : EEE

Academic Year : 2020 – 21

Name of the Speaker : D. Mahjashaw

Title of the Program : Recent trends and Technology

Duration : 7/4/2021 22/4/2021

Please evaluate on a scale of 5 ;

5- Excellent 4- Very Good 3- Average 2- Poor 1- Avoid in Future

1. Usefulness of Topic : 4
2. Method of Delivery : 4
3. Related to Subject : 4
4. Is the Topic useful for career : Yes/No
5. Suggestions if any :

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Date: 24/04/2021

PROGRAM REPORT

Name of the Program : "A Two-Week Certificate Program on Recent Trends and Technology"

Date/Duration : 7th to 22nd April, 2021, 14 days

Resource Person : Mr. D. Prakash Rao

Assistant Professor, EEE, Adarsh Engineering College

E-Mail ID: prakash0625@gmail.com, Cell: 9866201153

Program Objective : The objective of this course is

- To provide basic knowledge about emerging trends and related buzz words of ICT industry
- To provide basic knowledge and glimpses about readymade software applications, their design and application areas

Topics Covered : The following topics are covered

- Computing Power
- Smarter Devices
- Artificial Intelligence (AI) and Machine Learning
- Extended Reality
- Digital Trust, Block chain
- 3D Printing, IOT

Program Outcome : Outcome of the program is,

- To provide fundamental information regarding the emerging trends of ICT industry
- To know Advantages and applications

Name of the Coordinator : Mrs. S. Varalakshmi, Assistant Professor, EEE.

No of the Participants : 23

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Program Coordinator

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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on

Recent Trends and Technology

- Certificate of Participation -

This is to certify that Mr./Ms. Boddapati Lakshmi Tarunai has participated in a Two Week certificate Programme on "Recent Trends And Technology" organized by Department of Electrical and Electronics Engineering from 07/04/2021 to 22/04/2021

Mrs. K. Varalakshmi
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. Sharada
Principal

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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on

Recent Trends and Technology
- Certificate of Participation -

This is to certify that Mr./Ms. Vasamsetti Vijay Kumar has participated in a Two Week certificate Programme on "Recent Trends And Technology" organized by Department of Electrical and Electronics Engineering from 07/04/2021 to 22/04/2021

Mrs. S. Varalakshmi
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. [illegible]
Principal

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 25-01-2021

CIRCULAR

It is hereby informed to the III B.Tech I Semester students that an Add-On Course on will be conducted in the college as per the below schedule.

Name of the course: **DevOps**

Name of the Faculty: Mr. G Satya Mohan Chowdary

Start Date: 01-02-2021

End Date: 06-02-2021

Time: 9.30 AM to 3.30 PM

Venue: IT Computer Lab

Interested Students must register their names through their class teacher on or before 29-01-2021.

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM I.T H.O.D

Circulation among III IT Students

Copy to Dept. Notice File

Copy to Student Add-On Course File

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DEPARTMENT OF INFORMATION TECHNOLOGY

Add on Course

On

DevOps

Resource Person
Mr. G Satya Mohan Chowdary,
Assistant Professor,
Department of IT
Pragati Engineering College

DATE: 01-02-2021 to 06-02-2021

Day 1: Basics of DevOps with related technologies

Day 2: Installation and configuration of Jenkins to test and deploy Java or Web Applications using Netbeans or Eclipse.

Day 3: Hands-on version control tools like GIT

Day 4: Installation and configuration of Docker for creating containers of different OS images.

Day 5: Building, deployment and management of web or java application on Docker.

Day 6: Installation and configuration of software configuration and provisioning using CHEF

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Topics Covered

Duration: 6 Days (30 hrs)

- **Day 1:** Basics of DevOps with related technologies
- **Day 2:** Installation and configuration of Jenkins to test and deploy Java or Web Applications using Netbeans or Eclipse.
- **Day 3:** Hands-on version control tools like GIT
- **Day 4:** Installation and configuration of Docker for creating containers of different OS images.
- **Day 5:** Building, deployment and management of web or java application on Docker.
- **Day 6:** Installation and configuration of software configuration and provisioning using CHEF

CO-ORDINATOR

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Course Objective

The objective of this course Program is to provide students with a thorough understanding of continuous development, deployment, and configuration management.

Outcome of the course

Upon completion of the course student will be able to

- Identify components of DevOps environment
- Describe Software development models and architectures of DevOps.
- Apply different project management, integration, and testing and code deployment tool.
- Investigate different DevOps Software development models.
- Assess various DevOps practices.
- Collaborate and adopt DevOps in real-time projects.

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REPORT

Resource person details

Name: SATYA MOHAN CHOWDARY G

Designation: ASSISTANT PROFESSOR, DEPARTMENT OF IT

Contact details: Phone no: 9959088282

Mail ID: satyamohan.g@pragati.ac.in

On **Day 1** discussed about Basics of DevOps with related technologies. DevOps promotes collaboration between Development and Operations team to deploy code to production faster in an automated & repeatable way. DevOps can also be defined as a sequence of development and IT operations with better communication and collaboration.

DevOps has become one of the most valuable business disciplines for enterprises or organizations. With the help of DevOps, quality, and speed of the application delivery has improved to a great extent.

On **Day 2** discussed about Installation and configuration of Jenkins to test and deploy Java or Web Applications using Netbeans or Eclipse. agile developers began to embrace and promote test-driven development and continuous integration (CI). With these techniques we could automatically build source code whenever a developer checked it into a source repository, executing an exhaustive unit test suite to ensure that an application was working properly. Many test-driven developers also started doing integration testing and performance testing in a secondary CI process.

With continuous integration we could detect errors more quickly and release code much faster than we had done in previous years. It's no exaggeration to say that CI tamed the "build" side of the build-and-deploy cycle. These days many dev teams have moved beyond CI to CD, which stands for either continuous delivery or continuous deployment. Resource person begin with an overview of the CI and CD process, then setup a Java web project using Maven and Jenkins.

On **Day 3** discussed about Hands-on version control tools like GIT. One of the most beautiful pieces of software we generally ever used is git. Git's revolutionary branching functionality will boost our productivity by enabling us to work on numerous projects at once.We require more than just command-line knowledge to effectively utilise Git's capability.

Although Git is not a programming language, it has grown to be crucial for programmers who use practically every language you can think of. Git has become the industry norm for version control software today. Version control is a tool used by programmers to track changes made to big codebases, go back in time if necessary, and check who made what changes. It is a key component of GitOps, which applies the agile devops paradigm to container-based systems, and it has become an essential component of agile software development.

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On **Day 4** discussed about Installation and configuration of Docker for creating containers of different OS images. Whenever an application needs to be deployed to Production, the required hardware machines need to be procured and all the necessary installations and set-up done. Procuring different hardware machines for different applications increased the maintenance cost and labour. So, they came up with something called Virtualization.

It is a technique of creating a Guest Operating System on top of a Host Operating System. For instance, if I built an application that needs Ubuntu OS System (Guest) to run but they havve Windows OS(Host), all we need to do is install a Virtual Machine(VM) which can Host Ubuntu OS. Similarly, we can install multiple VM's to run different Operating Systems based on the capacity of my Host OS.

This method eliminates the need for separate hardware machines to run different applications written in different languages and have various dependencies.

On **Day 5** discussed about Building, deployment and management of web or java application on Docker.

A sample project is developed based on a sample Java Spring application available on GitHub.

On **Day 6** discussed about Installation and configuration of software configuration and provisioning using chef. The process of automating server provisioning using Chef, a powerful configuration management tool that leverages the Ruby programming language to automate infrastructure administration and provisioning.

They started by having a look at the terminology used by Chef, followed by an overview of the main language features that can be used to write recipes.

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Photographs during training session

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LIST OF STUDENTS ENROLLED

S.No.	Roll No.	Name of the Student	Signature of the student
1	18A31A1201	A. Chaitraja	A.Chaitraja
2	18A31A1202	B.Lakshmi Sowjanya	B.Lakshmi Sowjanya
3	18A31A1204	Ch.Lakshmi Sowjanya	Ch.Lakshmi Sowjanya
4	18A31A1208	K.Vyshnavi Devi	K.V.Devi
5	18A31A1211	K.Meghana	K.Meghana
6	18A31A1212	L.Pavani Lakshmi	L.Pavani Lakshmi
7	18A31A1213	P. LakshmiSudha	P.LakshmiSudha
8	18A31A1217	M. Joshna SaiKeerthi	M.J.S.Keerthi
9	18A31A1218	M. Lakshmi Vinuthna	M.Lakshmi Vinuthna
10	18A31A1219	N. Gayathri Sowjanaya	N.Gayathri Sowjanaya
11	18A31A1220	P. Sai Mounica	P.Sai Mounica
12	18A31A1221	Ramya Keerthi M	M.Ramya Keerthi
13	18A31A1224	D. S V V S K Sri Ramya	D.S.V.V.S.K
14	18A31A1236	T. Raja Ravindra	T.Ravindra
15	18A31A1241	Doddala Sai Bhargav	D.S.Bhargav
16	18A31A1242	Godithi Virinchi	G.Virinchi
17	18A31A1247	Lokareddy Jagannadha Raju	L.Jagannadha Raju
18	18A31A1251	P. VenkataSai	P.VenkataSai
19	18A31A1252	S. Dileep	S.Dileep
20	19A35A1201	D. Mounika	D.Mounika

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S.No.	Roll No.	Name of the Student	01-02-2021	02-02-2021	03-02-2021	04-02-2021	05-02-2021	06-02-2021
1	18A31A1201	A. Chaitraja	P	P	P	P	P	P
2	18A31A1202	B.Lakshmi Sowjanya	P	A	P	P	P	P
3	18A31A1204	Ch.Lakshmi Sowjanya	P	P	P	P	P	P
4	18A31A1208	K.Vyshnavi Devi	P	P	P	P	P	P
5	18A31A1211	K.Meghana	P	P	A	P	P	P
6	18A31A1212	L.Pavani Lakshmi	P	P	P	P	P	P
7	18A31A1213	P. LakshmiSudha	P	P	P	P	P	P
8	18A31A1217	M. Joshna SaiKeerthi	P	P	P	A	P	P
9	18A31A1218	M. Lakshmi Vinuthna	P	P	P	P	P	P
10	18A31A1219	N. Gayathri Sowjanaya	P	P	P	P	P	P
11	18A31A1220	P. Sai Mounica	A	P	P	P	P	P
12	18A31A1221	Ramya Keerthi M	P	P	P	P	A	P
13	18A31A1224	D. S V V S K Sri Ramya	P	P	P	P	P	P
14	18A31A1236	T. Raja Ravindra	P	P	A	P	P	P
15	18A31A1241	Doddala Sai Bhargav	P	P	P	P	P	A
16	18A31A1242	Godithi Virinchi	P	P	P	P	P	P
17	18A31A1247	Lokareddy Jagannadha Raju	P	A	P	P	P	P
18	18A31A1251	P. VenkataSai	P	P	P	A	P	P
19	18A31A1252	S. Dileep	P	P	P	P	P	A
20	19A35A1201	D. Mounika	A	P	P	P	P	P

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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	18A31A1201	6	6
2	18A31A1202	6	5
3	18A31A1204	6	6
4	18A31A1208	6	6
5	18A31A1211	6	5
6	18A31A1212	6	6
7	18A31A1213	6	6
8	18A31A1217	6	5
9	18A31A1218	6	6
10	18A31A1219	6	6
11	18A31A1220	6	5
12	18A31A1221	6	5
13	18A31A1224	6	6
14	18A31A1236	6	5
15	18A31A1241	6	5
16	18A31A1242	6	6
17	18A31A1247	6	5
18	18A31A1251	6	5
19	18A31A1252	6	5
20	19A35A1201	6	5

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DEVOPS VALUE ADDED COURSE – FEEDBACK

Date:06-02-2021

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2020-2021

Name of the speaker: SATYA MOHAN CHOWDARY G

Title of Training Program: " DEVOPS Value added course"

Date / Venue: 01-02-2021to 06-02-2021 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor 1 Avoid in Future

1 Usefulness of Topic: Excellent

2 Method of Delivery: Excellent

3 Related to Subject: Excellent

4 Is the Topic useful for career: YES/NO ✓

5 Suggestions if any: The program helped us to get a basic understanding on deveops

A.chaitraja

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DEVOPS VALUE ADDED COURSE – FEEDBACK

Date:06-02-2021

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2020-2021

Name of the speaker: SATYA MOHAN CHOWDARY G

Title of Training Program: " DEVOPS Value added course"

Date / Venue: 01-02-2021to 06-02-2021 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor 1 Avoid in Future

1 Usefulness of Topic: Good

2 Method of Delivery: Very Good

3 Related to Subject: Good

4 Is the Topic useful for career: YES/NO ✓

5 Suggestions if any: The program was interactive and informative

K. Meghana

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Certificate of Participation

This is to certify that Mr./Ms. A. chaitrala Student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add-on course on Devops conducted from 01-02-2021 to 06-02-2021 Organized by Department of IT, Pragati Engineering college (Autonomous),Surampalem.

DATE

06-02-2021

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This is to certify that Mr./Ms. B. Lakshmi Soujanya student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add-on course on Devops conducted from 01-02-2021 to 06-02-2021 Organized by Department of IT, Pragati Engineering college (Autonomous), Surampalem.

DATE

06-02-2021

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 02-11-2020

CIRCULAR

It is hereby informed to the IV B.Tech I Semester students that an Add-On Course on will be conducted in the college as per the below schedule.

Name of the course: **MONGODB**

Name of the Faculty: Dr. S Suresh

Start Date: 09-11-2020

End Date: 14-11-2020

Time: 9.30 AM to 3.30 PM

Venue: IT Computer Lab

Interested Students must register their names through their class teacher on or before 05-11-2020.

HoD-IT

PRAGATI ENGINEERING COLLEGE (A) I.T H.O.D SURAMPALEM

Circulation among IV IT Students

Copy to Dept. Notice File

Copy to Student Add-On Course File

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DEPARTMENT OF INFORMATION TECHNOLOGY

Add on Course

On

MONGODB

Resource Person
Dr. S Suresh,
Associate Professor,
Department of IT,
Pragati Engineering College

DATE: 09-11-2020 TO 14-11-2020

Day 1: Introduction to MongoDB, Features of MongoDB

Day 2: MongoDB Datatypes, Data Modeling in MongoDB

Day 3: MongoDB Operators, MongoDB Database commands

Day 4: MongoDB Shell , MongoDB Tools

Day 5: Advanced Indexing, MongoDB - Indexing Limitations, Java MongoDB Connectivity

Day 6: MongoDB – ObjectID, MongoDB Cloud Manager, MongoDB Ops Manager

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Topics Covered

Duration: 6 Days (30 hrs)

- **Day 1:** Introduction to MongoDB, Features of MongoDB
- **Day 2:** MongoDB Datatypes, Data Modeling in MongoDB
- **Day 3:** MongoDB Operators, MongoDB Database commands
- **Day 4:** MongoDB Shell , MongoDB Tools
- **Day 5:** Advanced Indexing, MongoDB - Indexing Limitations, Java MongoDB Connectivity
- **Day 6:** MongoDB – ObjectID, MongoDB Cloud Manager, MongoDB Ops Manager

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Course Objective

The objective of this course Program is to

- Develop highly scalable and cost-efficient applications with MongoDB
- Build efficient MongoDB data models for enterprise-scale applications
- Enhance performance with indexing and sharing
- Manage consistency with write concern and read preference
- Process data and compute results with aggregation pipelines and MapReduce

Outcome of the course

Upon completion of the course student will be able to

- Install and setup the MongoDB database
- Use the MongoDB shell to access the database
- Create, retrieve, update and delete data
- Use aggregation queries
- Appreciate the APIs used to interface with MongoDB
- Understand the document based structure of the database
- Use an API to develop applications
- Optimise queries with indexes
- Document based data modelling

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REPORT

Resource person details

Name: Dr. S Suresh

Designation: ASSOCIATE PROFESSOR, DEPARTMENT OF IT

Contact details: Mail ID: suresh.s@pragati.ac.in

On **Day 1** discussed about Introduction to MongoDB, Features of MongoDB.

A record in MongoDB is a document, which is a data structure composed of field and value pairs. MongoDB documents are similar to JSON objects. The values of fields may include other documents, arrays, and arrays of documents.

MongoDB is a scalable, flexible NoSQL document database platform designed to overcome the relational databases approach and the limitations of other NoSQL solutions. MongoDB is well known for its horizontal scaling and load balancing capabilities, which has given application developers an unprecedented level of flexibility and scalability.

MongoDB Atlas is the leading global cloud database service for modern applications. Using Atlas, developers can deploy fully managed cloud databases across AWS, Azure, or Google Cloud.

On **Day 2** discussed about MongoDB Datatypes, Data Modeling in MongoDB

MongoDB supports many datatypes. Some of them are –

- **String** – This is the most commonly used datatype to store the data. String in MongoDB must be UTF-8 valid.
- **Integer** – This type is used to store a numerical value. Integer can be 32 bit or 64 bit depending upon your server.
- **Boolean** – This type is used to store a boolean (true/ false) value.
- **Double** – This type is used to store floating point values.
- **Min/ Max keys** – This type is used to compare a value against the lowest and highest BSON elements.
- **Arrays** – This type is used to store arrays or list or multiple values into one key.
- **Timestamp** – ctimestamp. This can be handy for recording when a document has been modified or added.
- **Object** – This datatype is used for embedded documents.
- **Null** – This type is used to store a Null value.
- **Symbol** – This datatype is used identically to a string; however, it's generally reserved for languages that use a specific symbol type.
- **Date** – This datatype is used to store the current date or time in UNIX time format. You

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- can specify your own date time by creating object of Date and passing day, month, year into it.
- **Object ID** – This datatype is used to store the document's ID.
- **Binary data** – This datatype is used to store binary data.
- **Code** – This datatype is used to store JavaScript code into the document.
- **Regular expression** – This datatype is used to store regular expression.

The key challenge in data modeling is balancing the needs of the application, the performance characteristics of the database engine, and the data retrieval patterns. When designing data models, always consider the application usage of the data (i.e. queries, updates, and processing of the data) as well as the inherent structure of the data itself.

On **Day 3** discussed about MongoDB Operators, MongoDB Database commands.

There are many query operators that can be used to compare and reference document fields.

Comparison

The following operators can be used in queries to compare values:

- $eq: Values are equal
- $ne: Values are not equal
- $gt: Value is greater than another value
- $gte: Value is greater than or equal to another value
- $lt: Value is less than another value
- $lte: Value is less than or equal to another value
- $in: Value is matched within an array

Logical

The following operators can logically compare multiple queries.

- $and: Returns documents where both queries match
- $or: Returns documents where either query matches
- $nor: Returns documents where both queries fail to match
- $not: Returns documents where the query does not match

Collection commands, Database commands, Row commands were also discussed.

On **Day 4** discussed about MongoDB Shell , MongoDB Tools

The mongo shell is an interactive JavaScript interface to MongoDB. You can use the mongo shell to query and update data as well as perform administrative operations.

Database tools is a collective term for tools, utilities, and assistants that can make life easier when performing database administration tasks.

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While not necessary to use, database tools and utilities can save you time and effort. MongoDB has a first party collection of extremely helpful, good to know command-line utilities that you can use in your deployment. In this article we are going to briefly mention installation and then cover the most useful utilities to know.
MongoDB separates its tools and utilities into four categories: Binary Import / Export, Data Import / Export, Diagnostic Tools, and GridFS so we'll cover them accordingly.

On **Day 5** discussed about Advanced Indexing, MongoDB - Indexing Limitations, Java MongoDB Connectivity
Indexes in any database are essential in improving the performance of their data retrieval speed, and the same is true for MongoDB. By using indexes, performance in MongoDB queries becomes more efficient. Here student learnt about the different indexing techniques and their limitations.

Before starting using MongoDB in Java programs, we need to make sure that we have MongoDB CLIENT and Java set up on the machine. we need to download the jar mongodb-driver-3.11.2.jar and its dependency mongodb-driver-core-3.11.2.jar.

You can connect to and communicate with MongoDB using the MongoClient class. Use the MongoClients.create() method to construct a MongoClient. As each MongoClient represents a thread-safe pool of connections to the database, most applications only require a single instance of a MongoClient, even across multiple threads. All resource usage limits, such as max connections, apply to individual MongoClient instances.

On **Day 6** discussed about MongoDB – ObjectID, MongoDB Cloud Manager, MongoDB Ops Manager

Cloud Manager is managed software-as-a-service where you only have to install relevant agents (monitoring, automation, or backup) in your infrastructure. Ops Manager is on-premise software that is part of an Enterprise subscription: you have to install and manage all services on your own infrastructure.

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Photographs during training session

Co-ordinator

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LIST OF STUDENTS ENROLLED

S.No.	Roll No.	Name of the Student	Signature of the student
1	17A31A1201	Allu Jaswanthi	Allu Jaswanthi
2	17A31A1202	Chitra Ushaswini	C. Usha
3	17A31A1204	Darsipudi Nikhila	D. Nikhila.
4	17A31A1205	Dasari Sravanthi	D. Sravanthi
5	17A31A1206	Edupuganti Amrutha Sai	Amrutha Sai
6	17A31A1217	Motupalli Susmitha Benarji	Susmitha Benarji
7	17A31A1228	Preksha Jain	Preksha jain
8	17A31A1229	Ravanam Dharani	R. Dharani
9	17A31A1232	Swarna Bharathi Konchada	K. Swarna Bharathi
10	17A31A1233	Tadi Sushma Reddy	T. Sushma
11	17A31A1234	Tondapu Satya Sai Krishna Prathyusha	T.S.S.K. Prathyusha
12	17A31A1235	Tummuri Bhagya Nagalakshmi Keerthana	B. Nagal.
13	17A31A1236	Varadhi Deva Manojna	V. D. Manojna.
14	17A31A1238	Vundavalli Stuthimahima	Stuthimahima
15	17A31A1244	Chirukuri Naga Vitesh	Ch. Naga Vitesh
16	17A31A1249	Kalagarla Sunilkumar	K. Sunil Kumar.
17	17A31A1254	Sunkara Sivaramakrishna	S. Sivaramakrishna
18	17A31A1256	Vennala Mohanarao	V. Mohanarao.
19	17A31A1257	Vundavalli Vivek	V. Vivek.

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ATTENDANCE SHEET

S.No.	Roll No.	Name of the Student	09-11-2020	10-11-2020	11-11-2020	12-11-2020	13-11-2020	14-11-2020
1	17A31A1201	Allu Jaswanthi	P	P	A	P	P	P
2	17A31A1202	Chitra Ushaswini	P	P	P	P	P	P
3	17A31A1204	DarsipudiNikhila	P	P	P	P	P	P
4	17A31A1205	DasariSravanthi	P	A	P	A	P	P
5	17A31A1206	Edupuganti Amrutha Sai	P	P	A	P	P	P
6	17A31A1217	Motupalli Susmitha Benarji	P	P	P	P	A	A
7	17A31A1228	Preksha Jain	P	P	P	P	P	P
8	17A31A1229	Ravanam Dharani	P	P	A	P	P	P
9	17A31A1232	Swarna Bharathi Konchada	A	P	P	P	P	P
10	17A31A1233	Tadi Sushma Reddy	P	A	P	A	P	P
11	17A31A1234	Tondapu Satya Sai Krishna Prathyusha	P	P	A	P	P	P
12	17A31A1235	Tummuri Bhagya Nagalakshmi Keerthana	P	A	P	P	P	P
13	17A31A1236	Varadhi Deva Manojna	P	P	P	P	A	P
14	17A31A1238	Vundavalli Stuthimahima	P	P	P	P	P	P
15	17A31A1244	Chirukuri Naga Vitesh	P	A	P	P	P	P
16	17A31A1249	Kalagarla Sunilkumar	P	P	P	A	P	P
17	17A31A1254	Sunkara Sivaramakrishna	P	P	P	P	P	P
18	17A31A1256	Vennala Mohanarao	P	A	P	P	P	P
19	17A31A1257	Vundavalli Vivek	P	P	P	P	A	P

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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	17A31A1201	6	5
2	17A31A1202	6	6
3	17A31A1204	6	6
4	17A31A1205	6	4
5	17A31A1206	6	5
6	17A31A1217	6	4
7	17A31A1228	6	6
8	17A31A1229	6	5
9	17A31A1232	6	5
10	17A31A1233	6	4
11	17A31A1234	6	5
12	17A31A1235	6	5
13	17A31A1236	6	5
14	17A31A1238	6	6
15	17A31A1244	6	5
16	17A31A1249	6	5
17	17A31A1254	6	6
18	17A31A1256	6	5
19	17A31A1257	6	5

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MONGODB VALUE ADDED COURSE – FEEDBACK

Date:14-11-2020

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2020-2021

Name of the speaker: Dr. S Suresh

Title of Training Program: " MongoDB Value added course"

Date / Venue: 09-11-2020 to 14-11-2020 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor 1 Avoid in Future

1 Usefulness of Topic: Average

2 Method of Delivery: Excellent

3 Related to Subject: very good

4 Is the Topic useful for career: YES/NO ✓

5 Suggestions if any: Good

T. Sushma Reddy

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MONGODB VALUE ADDED COURSE – FEEDBACK

Date:14-11-2020

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2020-2021

Name of the speaker: Dr. S Suresh

Title of Training Program: " MongoDB Value added course"

Date / Venue: 09-11-2020 to 14-11-2020 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor 1 Avoid in Future

1 Usefulness of Topic: Average

2 Method of Delivery: Very good

3 Related to Subject: Excellent

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: Real time example what you said must be clear.

V. Mohanrao

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DATE

14-11-2020

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DATE

14-11-2020

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DEPARTMENT OF CIVIL ENGINEERING

Surampalem,
Date: 27/10/2020

CIRCULAR

It is to inform all the students of BTech II, III, & IV year that the department of civil engineering is planning to organize a LEVEL A (BIM Applications for Roads, Highways & Transportation Design) Workshop on 02/11/2020 to 25/11/2020 by department of Civil Engineering. All the Interested candidates can enroll their names with Ms V Tanuja, Assistant professor, Department of Civil Engineering on or before 31/10/2020. The number of participants to this is limited; preference is based on first come first basis.

All the faculty and students should wear a mask and maintain a distance of at least 1 meter, students with symptoms should have to take tests. Follow the rules provided by college and cooperate with management. Only two students are allowed to sit in each bench at the corners.

Venue: Classroom CS-3 CIVIL DEPARTMENT BLOCK (sitting is for 24 only)

Date: 02/11/2020

HOD CE
CE - HOD

Copy to:

Circulate among CE Students and Faculty,
Dept. File.
CE Notice Board
Principal for Information

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Objective of the Course

The course is designed for students to learn the essential concepts of BIM, and the basic technical skills to create and manipulate a BIM model in field of transportation. Those skills include how to retrieve information from a BIM model and how to use common modeling tools for transportation too.

Topic Covered:

1. Understand the BIM process in the roads and infrastructure design Definition of BIM
   - ✓ Introduction to BIM
   - ✓ Necessity of BIM
2. Infraworks interface
   - ✓ Infraworks interface
   - ✓ Model builder
   - ✓ Model explorer and manage
3. Create concept and design proposals
   - ✓ Create your proposal (adding parking, cars and persons)
   - ✓ Complete your proposal (adding roads, buildings, trees)
4. Creating and Modifying styles.
   - ✓ Create custom component
   - ✓ Analyze surface and styles
5. Detailed Design of Roads and Highways
   - ✓ Roads design criteria as AASHTO
   - ✓ Horizontal geometry design
   - ✓ Vertical geometry design
   - ✓ Add and Design Road Components

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- ✓ Sight distance analysis and obstructions

6. Advanced modelling and designs of intersections
   - ✓ Intersections design guidelines by AASHTO
   - ✓ Design of 3-leg Intersection
   - ✓ Design of 4-leg Intersection

Co-ordinator

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OUTCOMES OF THE COURSE

Students will be able to:

- ✓ Understand the BIM process in the roads and infrastructure design
- ✓ Learn design guidelines for roads as AASHTO
- ✓ Create conceptual and geometric design of roads
- ✓ Study and analysis the existing surface
- ✓ Create quantities report for all project items
- ✓ Learn how to design intersections
- ✓ Learn how to design intersections
- ✓ Learn how to design interchanges.

V. Teja
co-ordinator

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Department of CIVIL Engineering

STUDENTS ENROLLED

BIM APPLICATIONS FOR ROADS, HIGHWAYS AND TRANSPORTATION DESIGNS

S.No	Name of the Student	Roll Number	Signature
1	Juttuka Tejaswi	19A31A0107	J. Tejaswi
2	Kala Jahnavi	19A31A0108	K. Jahnavi
3	Agisetti Hari Prasad	19A31A0117	A. Hari Prasad.
4	Akkala Ayyappa Swamy	19A31A0118	A. A Swamy
5	Bathina Kasthuri	20A35A0105	B. Kasthuri
6	Palivela Veerendra	20A35A0109	P. Veerendra
7	Narala Sai Rakesh	20A35A0116	N. S. Rakesh
8	Duvvuri Sumedh Sarma	19A31A0163	D. Sumedh
9	Veeravalli Asha Veera Durga	20A35A0125	V. Asha veeradurga
10	Nakka Ratna Pravallika	18A31A0112	N. R. pravilika
11	Atru Vikas Chowdary.	18A31A0120	[illegible]
12	Siddanthula Aditya Teja	18A31A0147	[illegible]
13	Kargapati Aparna	19A35A0102	K. Aparna
14	Nachireddy Sai Sandeep	19A35A0111	N. sai Sandeep
15	Guddati Snehalatha	18A31A0157	G. Snehalatha
16	Tatineni Lenin	18A31A0170	[illegible]
17	Syed Ghouse	18A31A01A1	S. Gouse
18	Medisetti Prasad	19A35A0119	M. Prasad
19	Ventapalli Mukesh	19A35A0122	V. Mukesh
20	Pilla Victor Spenner	17A31A0128	Rich Spenner

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21	Katuri Uday Kiran	17A31A0135	K. Uday Kiran
22	Pilli Prudhvi Teja	17A31A0148	P. Prudhvi Teja
23	Sarika Sairam	17A31A0152	S. Sarikam
24	Siriginidi Sai Kumar	18A35A0125	S Saikumar

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Department of CIVIL Engineering

Attendance Sheets

BIM Applications for Roads, Highways and Transportation Designs

Roll No.	Dt: 02	11	Dt: 03	11	Dt: 04	11	Dt: 05	11	Dt: 06	11	Dt: 07	11
	1	2	3	4	5	6	7	8	9	10	11	12
19A31A0107	P	P	P	P	P	P	A	P	P	P	P	P
19A31A0108	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0117	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0118	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	P	P	P	P	P	P	P	P	A	A
19A31A0163	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0125	P	P	P	P	P	P	P	P	A	A	P	P
18A31A0112	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0120	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0102	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0111	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0157	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	P	P	A	A	P	P	P	P	P	P
19A35A0119	A	A	P	P	P	P	P	P	P	P	P	P
19A35A0122	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0128	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0135	P	P	P	P	P	P	P	P	P	P	P	P

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Department of CIVIL Engineering

Attendance Sheets

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Roll No.	Dt: 09 / 11		Dt: 10 / 11		Dt: 11 / 11		Dt: 12 / 11		Dt: 13 / 11		Dt: 15 / 11	
	13	14	15	16	17	18	19	20	21	22	23	24
19A31A0107	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0108	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0117	P	P	P	P	P	P	P	P	A	A	P	P
19A31A0118	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0163	P	P	P	P	P	A	P	P	P	P	A	A
20A35A0125	A	A	P	P	P	P	P	P	P	P	P	P
18A31A0112	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0120	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0102	P	P	P	P	P	P	P	P	A	P	P	P
19A35A0111	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0157	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0119	A	A	P	P	P	P	P	P	P	P	P	P
19A35A0122	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0128	P	P	P	P	P	P	P	P	P	A	A	A
17A31A0135	P	P	P	P	P	P	P	P	P	P	P	P

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17A31A0148	P	P	A	A	P	P	P	P	P	P	P	P
17A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
18A35A0125	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator

Resource Person

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Roll No.	Dt 17/11		Dt 18/11		Dt 19/11		Dt 20/11		Dt 21/11		Dt 23/11	
	25	26	27	28	29	30	31	32	33	34	35	36
19A31A0107	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0108	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0117	P	P	P	P	P	P	P	R	R	P	P	P
19A31A0118	P	P	P	P	P	P	P	A	A	A	P	P
20A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	P	P	P	P	P	P	R	R	P	P
19A31A0163	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0125	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0112	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0120	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0102	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0111	P	P	A	A	P	P	P	P	P	P	P	P
18A31A0157	P	P	A	A	P	P	P	P	P	P	P	P
18A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0119	P	P	P	P	P	P	P	P	P	P	A	A
19A35A0122	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0128	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0135	P	P	P	P	P	P	P	P	P	P	P	P

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17A31A0148	P	P	P	P	P	P	P	P	P	P	P	P
17A31A0152	P	P	P	A	P	P	P	P	P	P	P	P
18A35A0125	P	P	P	P	P	P	P	P	P	P	P	P

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Attendance Sheets

BIM Applications for Roads, Highways and Transportation Designs

Roll No.	Dt: 24/11		Dt: 25/11		Dt:		Dt:		Dt:		Dt:	
	37	38	39	40								
19A31A0107	P	P	P	P								
19A31A0108	P	P	P	P								
19A31A0117	P	P	P	P								
19A31A0118	P	P	P	P								
20A35A0105	P	P	P	P								
20A35A0109	P	P	P	P								
20A35A0116	P	P	P	P								
19A31A0163	P	P	P	P								
20A35A0125	A	P	P	P								
18A31A0112	P	P	P	P								
18A31A0120	P	P	P	P								
18A31A0147	P	P	P	P								
19A35A0102	P	P	P	P								
19A35A0111	P	P	P	P								
18A31A0157	P	P	P	P								
18A31A0170	P	P	P	A								
18A31A01A1	P	P	P	P								
19A35A0119	P	A	P	P								
19A35A0122	P	P	P	P								
17A31A0128	P	P	P	P								
17A31A0135	P	P	A	P								

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17A31A0148	P	P	P	P								
17A31A0152	P	P	P	P								
18A35A0125	P	P	A	A								

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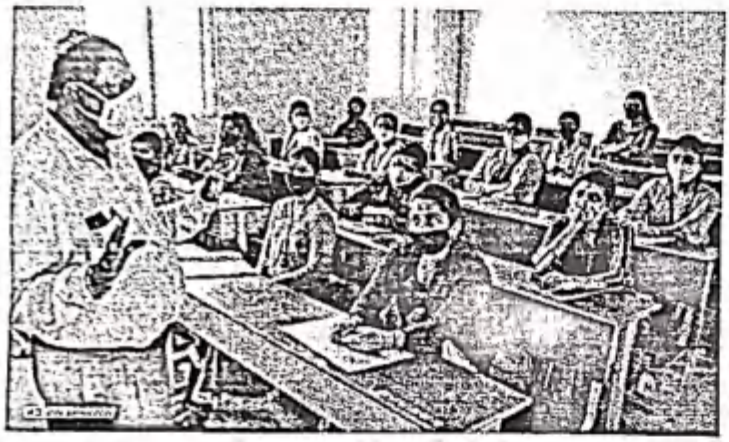
Resource Person Details

Name: Mr M SANDEEP

Designation: Assistant Professor

Contact Details: 8499005588

Photographs during training Session



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Department of CIVIL Engineering

ATTENDANCE REPORT

BIM APPLICATIONS FOR ROADS, HIGHWAYS AND TRANSPORTATION DESIGNS

S.No	Roll Number	Classes Conducted	Classes Attended
1	19A31A0107	40	39
2	19A31A0108	40	40
3	19A31A0117	40	38
4	19A31A0118	40	37
5	20A35A0105	40	40
6	20A35A0109	40	40
7	20A35A0116	40	38
8	19A31A0163	40	37
9	20A35A0125	40	35
10	18A31A0112	40	40
11	18A31A0120	40	40
12	18A31A0147	40	40
13	19A35A0102	40	39
14	19A35A0111	40	38
15	18A31A0157	40	38
16	18A31A0170	40	39
17	18A31A01A1	40	38
18	19A35A0119	40	33
19	19A35A0122	40	40

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20	17A31A0128	40	37
21	17A31A0135	40	40
22	17A31A0148	40	36
23	17A31A0152	40	39
24	18A35A0125	40	38

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 15/11/2020

DEPARTMENT : civil

ACADEMIC YEAR : 2020-2021

NAME OF THE SPEAKER : M. Sandeep

TITLE OF TRAINING PROGRAM : BIM Applications for Roads, highways & transport design.

DATE/VENUE : 02/11/2020 - CS-3.

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 4
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : —

Signature/ Name of the Student

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D.No. 3-34-4/2, Ground Floor, Jammalamma Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355000, Fax : 2353900

Department of CIVIL Engineering

FEEDBACK FORM

Date: 25/11/2020

DEPARTMENT : Civil Department

ACADEMIC YEAR : 2020 – 2021

NAME OF THE SPEAKER : M. Sandeep

TITLE OF TRAINING PROGRAM : BIM Applications for Roads highways and transportations design

DATE/VENUE : 02/11/2020, CS-3

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 4
3. Related to Subject : 4
4. Is the topic useful for career : 5
5. Suggestion if any : —

D. Sumedh Sarma
Signature/ Name of the Student
(Optional)

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D.No. 2-24-42, Ground Floor, Jawaharlal Park Road, Srinagar, Kakinada - 3. Ph : 0884 - 2355000, Fax : 2363999

Department of CIVIL Engineering

FEEDBACK FORM

Date: 25/11/2020

DEPARTMENT : Civil Department

ACADEMIC YEAR : 2020-2021

NAME OF THE SPEAKER : M. SANDEEP

TITLE OF TRAINING PROGRAM : BIM APPLILATIONS FOR Roads, highways & transportation design.

DATE/VENUE : 02/11/2020; CS-3

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 4
3. Related to Subject : 5
4. Is the topic useful for career : 4
5. Suggestion if any : –

A. Hari Prasad
Signature/ Name of the Student
(Optional)

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D.No. 2-24-4/2, Ground Floor, Jannathavvni Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355600, Fax : 2363900

Department of CIVIL Engineering

FEEDBACK FORM

Date: 25/11/2020

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2020-21

NAME OF THE SPEAKER : M. SANDEEP

TITLE OF TRAINING PROGRAM : BIM Applications for Roads, highways & Transportation design.

DATE/VENUE : 02-11-2020) CS-3.

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 4
2. Method of Delivery : 4
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : —

A. Kavya

Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 15/11/20

DEPARTMENT : Civil

ACADEMIC YEAR : 2020-2021

NAME OF THE SPEAKER : M Sudeep

TITLE OF TRAINING PROGRAM : BIM Applications for Roads, Highways & transport design

DATE/VENUE : 2/11/20 - CS-3

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 4
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : —

Signature/ Name of the Student

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PARTICIPATION CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This certificate is presented to:

S SAI KUMAR

For participating in the Workshop of "BIM applications for Roads, Highways & Transport Design" on 02/11/2020

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This certificate is presented to:

SARIKA SAI RAM

For participating in the Workshop of "BIM applications for Roads, Highways & Transport Design" on 02/11/2020

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DEPARTMENT OF CIVIL ENGINEERING

Surampalem,
Date: 08/01/2021

CIRCULAR

It is to inform all the students of BTech II, III,& IV year that the department of civil engineering is planning to organize a Add on Courses on **BASICS OF ARCGIS FOR HYDROLOGY**Workshop on 08/01/2021 to 21/01/2021 by department of Civil Engineering. All the Interested candidates can enroll their names with Ms. A.Lakshmi Prasanna, Assistant professor, Department of Civil Engineering on or before 07/01/2021. The number of participants to this is limited preference is based on first come first basis.

Venue: Classroom CF-1 CIVIL DEPARTMENT BLOCK SYSTEM LAB

Date: 08/01/2021

PRAGATI ENGINEERING COLLEGE (A) CE - HOD SURAMPALEM

HOD-CE

Copy to:

Circulate among CE Students and Faculty,
Dept. File.
CE Notice Board
Principal for Information

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Objective of the Course

ArcGIS For Hydrology This course is designed for those interested to learn the basics of hydrology using ArcGIS, perform the main features in the GIS software, use the geoprocessing tools, and **geographic and spatial analysis.**

Topic Covered:

Introduction:

- ✓ Introduction to GIS.
- ✓ Introduction to ArcGIS software.
- ✓ Selection by Location, attributes, clip features and tables to Excel.
- ✓ Performing actions on the data: change the projections.
- ✓ From .TXT and .DXF to shapefile.
- ✓ Calculations with attribute table and KML files in ArcMap.
- ✓ Export from ArcMap to PDF.
- ✓ ArcScene 3D.
- ✓ AutoCAD fixing polygon coordinates.

ArcGIS for Hydrology

- ✓ Download hydrological data.
- ✓ Calculate flow direction and flow accumulation
- ✓ Watershed delineation
- ✓ Clip layers to watershed boundary
- ✓ Stream segments and catchments areas
- ✓ Stream order convert to vector
- ✓ Spatial Join to catchments
- ✓ Join stream id to stream order
- ✓ Map data and initial layout
- ✓ Add and format ma elements

Co-Ordinator

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OUTCOMES OF THE COURSE

Students will be able to:

- ✓ Understand ArcGIS concepts.
- ✓ Represent their analysis on a map.
- ✓ Perform basic and advanced processing actions in ArcGIS.
- ✓ Make a map from start to finish.
- ✓ To analyze the Arc GIS concepts.

Co-Ordinator

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Resource Person Details

Name: V.Manideep

Designation: Assistant Professor

Contact Details: 8985102688

Photographs during training Session

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Department of CIVIL Engineering

STUDENTS ENROLLED

S.No	Name of the Student	Roll Number	Signature
1	TELAGAMSETTI CHANDRIKA	18A31A0114	T. Chandrika
2	ALLU SAI NAVEEN	18A31A0119	A. Naveen
3	DODDI SURENDRA RAJ	18A31A0126	Raj S.
4	KUTAN KUMAR RAJA	18A31A0137	
5	CHALAMCHARLA AAKASH	19A35A0106	Ch. Akash
6	NACHIREDDY SAI SANDEEP	19A35A0111	
7	THOTA MOHAN	19A35A0113	mohan.
8	PILLA VICTOR SPENNER	19A35A0128	
9	BONDA SRI SAI DIVYA	18A31A0154	B. Sri Divya.
10	KARUMURI DURGA BHARGAVI	18A31A0162	Bhargavi.
11	V LAKSHMI DURGA	18A31A0169	V.L. Durga
12	B DILIP SAI BHAGAVAN	18A31A0176	Dilip
13	MALLI MANIDEEP	18A31A0184	
14	PENKEY SRI AASHISH	18A31A0194	Sri.
15	SYED GHOUSE	18A31A01A1	syed Ghose
16	BODDU TEJESH	19A35A0117	
17	VOOLURU MEGHASHYAM	19A35A0124	
18	SUTHAPALLI SIVAMANIKANTA	18A31A01A0	Manikanta
19	DUGGADA YEMEEMA SWETHA	19A31A0104	D. yamela Swetha
20	MUSINADA AMRUTHA	19A31A0110	
21	PALIVELA VEERENDRA	20A35A0109	
22	SHEIK CHAN BASHA	20A35A0112	Basha Ch.
23	NARALA SAI RAKESH	20A35A0116	
24	GUDIMETLA DAYANIDHI	21A31A0107	G. Daya Nidhi
25	A. TEJASWINI NAGA SRI SAI	21A31A0101	

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26	PRATHYUSHA PITHANI	21A31A0112	P. Prathyusha
27	CHITTURI S V V RAM KISHORE	21A31A0121	
28	GUBBALA JOHN MUKESH	21A31A0124	
29	KUDIPUDI SESHA SAI KARTHIK	21A31A0128	S. Manohar Reddy.
30	MANOHAR REDDY SATHI	21A31A0135	
31	S. S. SREENIVASA NARENDRA	21A31A0141	
32	V. N. VENKATA KOTI DINESH	21A31A0143	
33	YELETI JAYAKANTH	21A31A0145	
34	MORTHA ASISH KUMAR	21A31A0147	
35	JALASUTRA CHANDU	21A31A0125	J. Chandu.

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

Attendance Sheets

Roll No.	Dt: 8/1/21		Dt: 9/1/21		Dt: 11/1/21		Dt: 12/1/21		Dt: 18/1/21		Dt: 19/1/21	
	1	2	3	4	5	6	7	8	9	10	11	12
18A31A0114	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0119	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0126	P	P	P	P	A	P	P	P	P	A	P	P
18A31A0137	P	P	P	P	P	P	P	A	P	P	P	P
19A35A0106	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0111	P	P	P	A	P	P	P	P	P	P	P	P
19A35A0113	P	P	P	P	P	A	P	P	P	P	P	A
19A35A0128	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0154	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0162	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0169	P	P	P	P	P	P	A	P	P	P	P	P
18A31A0176	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0184	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	A	P	P	P	P	P	P	P	P	P
19A35A0117	P	P	P	P	A	P	P	P	P	P	P	P
19A35A0124	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A0	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0104	P	P	P	P	P	A	P	P	P	A	P	P
19A31A0110	P	P	P	A	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0112	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	A	P	P	P	P	P	P	P	P	P
21A31A0107	P	P	P	P	A	P	P	P	P	P	P	P

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21A31A0101	A	P	P	P	P	P	P	P	P	P	P	P
21A31A0112	P	P	P	A	P	P	P	P	A	P	P	P
21A31A0121	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0124	P	P	A	P	P	P	P	P	A	P	P	P
21A31A0128	P	A	P	P	P	P	P	P	P	P	P	P
21A31A0135	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0141	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0143	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0125	P	P	P	P	P	P	P	P	P	P	P	P

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Department of CIVIL Engineering

Attendance Sheets

Roll No.	Dt: 20/1/21		Dt: 21/1/21		Dt: 22/1/21		Dt: 25/1/21		Dt: 25/1/21		Dt: 27/1/21	
	13	14	15	16	17	18	19	20	21	22	23	24
18A31A0114	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0119	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0137	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0106	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0111	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0113	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0128	P	P	A	P	P	P	P	P	P	P	P	P
18A31A0154	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0162	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0169	P	P	P	P	A	P	P	P	P	P	P	P
18A31A0176	P	P	A	P	P	P	P	P	P	P	P	P
18A31A0184	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	P	A	P	P	P	A	P	P	P	P
19A35A0117	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0124	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A0	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0104	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0110	P	P	A	P	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0112	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	P	A	P	P	P	P	P	P	P	P
21A31A0107	P	P	P	P	P	A	P	P	P	P	P	P

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21A31A0101	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0112	P	P	P	A	P	P	P	P	P	P	P	P
21A31A0121	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0124	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0128	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0135	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0141	P	P	A	P	P	P	P	P	P	P	P	P
21A31A0143	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0125	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator

Resource Person

PRAGATI ENGINEERING COLLEGE (A) * SURAMPALEM * CE - HOD

HOD-CIVIL

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Department of CIVIL Engineering

Attendance Sheets

Roll No.	Dt:29/1/21		Dt: 30/1/21		Dt: 1/2/21		Dt: 2/2/21		Dt: 3/2/21		Dt: 4/2/21	
	25	26	27	28	29	30	31	32	33	34	35	36
18A31A0114	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0119	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0137	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0106	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0111	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0113	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0128	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0154	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0162	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0169	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0176	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0184	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A1	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0117	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0124	P	P	P	P	P	P	P	P	P	P	P	P
18A31A01A0	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0104	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0110	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0109	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0112	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0116	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0107	P	P	P	P	P	P	P	P	P	P	P	P

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21A31A0101	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0112	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0121	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0124	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0128	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0135	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0141	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0143	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0147	P	P	P	P	P	P	P	P	P	P	P	P
21A31A0125	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator

Resource Person

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HOD-CIVIL

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Department of CIVIL Engineering

Attendance Sheets

Roll No.	Dt: 5/2/21		Dt: 6/2/21		Dt:		Dt:		Dt:		Dt:	
	37	38	39	40								
18A31A0114	P	P	P	P								
18A31A0119	P	P	P	P								
18A31A0126	P	P	P	P								
18A31A0137	P	P	P	P								
19A35A0106	P	P	P	P								
19A35A0111	P	P	P	P								
19A35A0113	P	P	P	P								
19A35A0128	P	P	P	P								
18A31A0154	P	P	P	P								
18A31A0162	P	P	P	P								
18A31A0169	P	P	P	P								
18A31A0176	P	P	P	P								
18A31A0184	P	P	P	P								
18A31A0194	P	P	P	P								
18A31A01A1	P	P	P	P								
19A35A0117	P	P	P	P								
19A35A0124	P	P	P	P								
18A31A01A0	P	P	P	P								
19A31A0104	P	P	P	P								
19A31A0110	P	P	P	P								
20A35A0109	P	P	P	P								
20A35A0112	P	P	P	P								
20A35A0116	P	P	P	P								
21A31A0107	P	P	P	P								

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21A31A0101	P	P	P	P								
21A31A0112	P	P	P	P								
21A31A0121	P	P	P	P								
21A31A0124	P	P	P	P								
21A31A0128	P	P	P	P								
21A31A0135	P	P	P	P								
21A31A0141	P	P	P	P								
21A31A0143	P	P	P	P								
21A31A0145	P	P	P	P								
21A31A0147	P	P	P	P								
21A31A0125	P	P	P	P								

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

ATTENDANCE REPORT

S.No	Roll Number	Classes Conducted	Classes Attended
1	18A31A0114	40	40
2	18A31A0119	40	40
3	18A31A0126	40	38
4	18A31A0137	40	39
5	19A35A0106	40	40
6	19A35A0111	40	39
7	19A35A0113	40	38
8	19A35A0128	40	39
9	18A31A0154	40	40
10	18A31A0162	40	40
11	18A31A0169	40	38
12	18A31A0176	40	39
13	18A31A0184	40	40
14	18A31A0194	40	40
15	18A31A01A1	40	37
16	19A35A0117	40	39
17	19A35A0124	40	40
18	18A31A01A0	40	40
19	19A31A0104	40	39
20	19A31A0110	40	38

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21	20A35A0109	40	40
22	20A35A0112	40	41
23	20A35A0116	40	38
24	21A31A0107	40	38
25	21A31A0101	40	39
26	21A31A0112	40	37
27	21A31A0121	40	40
28	21A31A0124	40	38
29	21A31A0128	40	39
30	21A31A0135	40	40
31	21A31A0141	40	39
32	21A31A0143	40	40
33	21A31A0145	40	40
34	21A31A0147	40	40
35	21A31A0125	40	40

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 08/01/2021

DEPARTMENT : civil

ACADEMIC YEAR : 2020 - 2021

NAME OF THE SPEAKER : V. Mani deep

TITLE OF TRAINING PROGRAM : Basics of ARC-GIS for Hydrology.

DATE/VENUE : CF-1 / 08-01-2021.

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : –

Chandus

Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 02/01/2021

DEPARTMENT : Civil

ACADEMIC YEAR : 2020-2021

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basics of ARc – GIS for Hydrology

DATE/VENUE : CF-1 / 08-01-2021

Please evaluate on a scale of 5:

5 - Excellent **4 – Very Good** **3 – Average** **2 - Poor** **1 – Avoid**

1. Usefulness of topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : —

Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 08/01/2021

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2020 - 2021

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basics of ARC - GIS for Hydrology

DATE/VENUE : CF-1/08-01-2021

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : –

Lakshmi Durga
Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 8/1/2021

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2020 – 2021

NAME OF THE SPEAKER : V – Mani deep

TITLE OF TRAINING PROGRAM : Basics of ARC-GIS For Hydrology

DATE/VENUE : CF-1 / 08-01-2021

Please evaluate on a scale of 5:

5 - Excellent **4 – Very Good** **3 – Average** **2 - Poor** **1 – Avoid**

1. Usefulness of topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : –

Sandeep

Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 08/01/2021

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2020 - 2021

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basics of ARC - GIS for Hydrology

DATE/VENUE : CF - 1 / 08-01-2021

Please evaluate on a scale of 5:

5 - Excellent 4 – Very Good 3 – Average 2 - Poor 1 – Avoid

1. Usefulness of topic : 5
2. Method of Delivery : 5
3. Related to Subject : 4
4. Is the topic useful for career : 4
5. Suggestion if any : -

Signature/ Name of the Student

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PRAGATI ENGINEERING COLLEGE (AUTONOMOUS), SURAMPALEM, ANDHRA PRADESH

PARTICIPATION CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This certificate is presented to:

JALASUTRA CHANDU

For participating in the Workshop of "BASICS OF ARC GIS FOR HYDROLOGY" on 08/01/2021

FACULTY INCHARGE

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PARTICIPATION CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This certificate is presented to:

M ASISH KUMAR

For participating in the Workshop of "BASICS OF ARC GIS FOR HYDROLOGY" on 08/01/2021

FACULTY INCHARGE

prasanna

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HOD-CIVIL

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM CE-HOD

DEVELOPING SOFT SKILLS AND PERSONALITY

PROF. T. RAVICHANDRAN
Department of Humanities and Social Sciences
IIT Kanpur

INTENDED AUDIENCE : Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRIES APPLICABLE TO : All industries/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

COURSE OUTLINE :

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfillment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

ABOUT INSTRUCTOR :

Prof. T. RAVICHANDRAN is presently a Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India. He has written about fifty research articles/ book chapters, supervised six doctoral theses, edited a special issue on Cyberpunk Literature for the Creative Forum Journal, and published a book on Postmodern Identity. He is a recipient of the Fulbright-Nehru Academic and Professional Excellence Fellowship (2014-15) for his research/teaching at Duke University, North Carolina, USA. He is honored with Champa Devi Gangwal Chair Professorship at IIT Kanpur. In his distinguished twenty-five years of teaching career, he has taught various courses in English Language and Literature. His NPTEL Video and Web courses on Communication Skills are well-acclaimed nationally and internationally.

COURSE PLAN :

Week 01 : Introduction: A New Approach To Learning, Planning And Goal-Setting, Human Perceptions: Understanding People, Types of Soft Skills: Self-Management Skills, Aiming For Excellence: Developing Potential And Self-Actualisation, Need Achievement And Spiritual Intelligence.

Week 02 : Conflict Resolution Skills: Seeking Win-Win Solution, Inter-Personal Conflicts: Two Examples, Two Solutions, Types of Conflicts: Becoming A Conflict Resolution Expert, Types of Stress: Self-Awareness About Stress, Regulating Stress: Making The Best out of Stress.

Week 03 : Habits: Guiding Principles, Identifying Good And Bad Habits, Habit Cycle: Breaking Bad Habits, Using The Zeigarnik Effect For Productivity And Personal Growth, Forming Habits of Success.

Week 04 : Communication: Significance Of Listening, Active Listening, Barriers To Active Listening; Telephone Communication: Basic Telephone Skills, Advanced Telephone Skills, Essential Telephone Skills .

Week 05 : Technology And Communication: Technological Personality?, Mobile Personality?, E-Mail Principles, How Not To Send E-Mails!, Netiquette, E-Mail Etiquette.

Week 06 : Communication Skills: Effective Communication, Arising Out Of Sender/Receiver's Personality; Barriers To Communication: Interpersonal Transactions, Miscommunication; Non-Verbal Communication: Pre-Thinking Assessment-1 & 2.

Week 07 : Nonverbal Communication: Introduction And Importance, Issues And Types, Basics And Universals, Interpreting Non-Verbal Cues; Body Language: For Interviews, For Group Discussions.

Week 08 : Presentation Skills: Overcoming Fear, Becoming A Professional, The Role Of Body Language, Using Visuals, Reading Skills: Effective Reading, Human Relations: Developing Trust And Integrity.

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List of Registered Students

Name of the Program: Developing Soft Skills and Personality

A.Y. 2020-21

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1.	18A31A0202	Jangareddi Harichandana	EEE	Sept - Nov 2020, 8 Weeks	No
2.	18A31A0203	Kasilanka Sai Ramyakrishna	EEE	Sept - Nov 2020, 8 Weeks	No
3.	18A31A0206	Kothapalli Ganga Bhavani	EEE	Sept - Nov 2020, 8 Weeks	Yes
4.	18A31A0207	Medapati Sujatha	EEE	Sept - Nov 2020, 8 Weeks	No
5.	18A31A0211	Pachhigolla Ramya Sri	EEE	Sept - Nov 2020, 8 Weeks	Yes
6.	18A31A0215	Upadhyay Sakshee	EEE	Sept - Nov 2020, 8 Weeks	Yes
7.	18A31A0216	Vankayala Varshitha	EEE	Sept - Nov 2020, 8 Weeks	No
8.	18A31A0220	Amalakanti Tarun Sai	EEE	Sept - Nov 2020, 8 Weeks	Yes
9.	18A31A0222	Chaganti Janardhan Kamesh	EEE	Sept - Nov 2020, 8 Weeks	Yes
10.	18A31A0223	Chilukuri Vara Prasad	EEE	Sept - Nov 2020, 8 Weeks	No
11.	18A31A0224	Chirla Veerraghava Reddy	EEE	Sept - Nov 2020, 8 Weeks	No
12.	18A31A0226	Desamsetti Surya Kumar	EEE	Sept - Nov 2020, 8 Weeks	No
13.	18A31A0227	Devarakonda Vamsi	EEE	Sept - Nov 2020, 8 Weeks	Yes
14.	18A31A0228	Doddi Ram Mohan	EEE	Sept - Nov 2020, 8 Weeks	Yes
15.	18A31A0230	G Venkata Rama Lakshman	EEE	Sept - Nov 2020, 8 Weeks	Yes
16.	18A31A0232	Kola Umar Satish Kumar	EEE	Sept - Nov 2020, 8 Weeks	No
17.	18A31A0234	Kompella Aditya Sri Harsha	EEE	Sept - Nov 2020, 8 Weeks	No
18.	18A31A0236	K Chinna Venkata Reddy	EEE	Sept - Nov 2020, 8 Weeks	No
19.	18A31A0242	Narla Surya Kiran	EEE	Sept - Nov 2020, 8 Weeks	No
20.	18A31A0244	P Siva Sai Durga Anil Kumar	EEE	Sept - Nov 2020, 8 Weeks	Yes
21.	18A31A0245	P Satya Venkata Ganesh	EEE	Sept - Nov 2020, 8 Weeks	No
22.	18A31A0250	V S Rama Krishna Chaitanya	EEE	Sept - Nov 2020, 8 Weeks	No
23.	18A31A0251	Velpuri Manideep	EEE	Sept - Nov 2020, 8 Weeks	No
24.	18A31A0252	Venkata Mani Teja Sunkara	EEE	Sept - Nov 2020, 8 Weeks	No
25.	18A31A0253	Y Surya Dheeraj	EEE	Sept - Nov 2020, 8 Weeks	No
26.	18A31A0254	Yejj[illegible]	EEE	Sept - Nov 2020, 8 Weeks	No
27.	18A31A0255	Yeturi [illegible]	EEE	Sept - Nov 2020, 8 Weeks	No

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28.	19A35A0207	Patra Sai Kishore	EEE	Sept - Nov 2020, 8 Weeks	No
29.	18A31A0258	Baruku Chandini	EEE	Sept - Nov 2020, 8 Weeks	No
30.	18A31A0261	Gowripattapu P D K Mahalakshmi	EEE	Sept - Nov 2020, 8 Weeks	No
31.	18A31A0263	Koppisetti Ramya	EEE	Sept - Nov 2020, 8 Weeks	No
32.	18A31A0269	Pulaparthi Purna Latha	EEE	Sept - Nov 2020, 8 Weeks	No
33.	18A31A0271	Penke Sirisha	EEE	Sept - Nov 2020, 8 Weeks	No
34.	18A31A0272	Ramireddy Vara Lakshmi Devika	EEE	Sept - Nov 2020, 8 Weeks	Yes
35.	18A31A0281	Akana Satish	EEE	Sept - Nov 2020, 8 Weeks	No
36.	18A31A0282	Ankam Durga Satya Sai Kirankumar	EEE	Sept - Nov 2020, 8 Weeks	Yes
37.	18A31A02A0	Pakkurthi Eswar	EEE	Sept - Nov 2020, 8 Weeks	Yes
38.	18A31A02A2	Reddy Srikanth	EEE	Sept - Nov 2020, 8 Weeks	No
39.	18A31A02A3	Reddy Uday Kiran	EEE	Sept - Nov 2020, 8 Weeks	Yes

Coordinator

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Roll No: NPTEL20HS43S82340356

To
RAMYASRI PACHHIGOLLA
D.NO 8-1-120,3RD STREET, STUVURTPETA
PITHAPURAM
ANDHRA PRADESH - 533450
PH. NO :9912941593

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

RAMYASRI PACHHIGOLLA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **58** %

Online Assignments	22.25/25	Proctored Exam	35.45/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20HS43S82170191

To
SAKSHEE UPADHYAY
AP NAGESHWAR RAO ROAD BALAJI ENCLAVE
ARYAPURAM
GURUNATJI TRADING CO, OPP OF SURESH
COMPUTER MAIN ROAD
RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO-7993551114

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

SAKSHEE UPADHYAY

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **70** %

Online Assignments	21.75/25	Proctored Exam	47.75/75

Total number of candidates certified in this course: 8393

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL20HS43S82170191

To validate and check scores: https://nptel.ac.in/noc

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Near Peddapuram, E.G.Dt. (AP)-533 437

DC MICROGRID AND CONTROL SYSTEMS

PROF. AVIK BHATTACHARYA
Department of Electrical Engineering
IIT Roorkee

PRE-REQUISITES : Power electronics, Power system and Control system

INTENDED AUDIENCE : M.Tech and PhD in Power electronics and Power system.

INDUSTRY SUPPORT : ABB, GE, CESC

COURSE OUTLINE :

This course is suitable for PG students studying in power electronics, power system and system & control subjects. The course details the fundamental concepts of microgrid and its components, types of microgrids, advantages of microgrid compared to the central conventional grid. Particularly the course describes general concepts and application, control strategies and principle of operation of DC microgrid. The course is very applicable for students and researchers from power system, power electronics and control system area who to do research in fast growing and emerging renewable energy technology.

ABOUT INSTRUCTOR :

Prof. Avik Bhattacharya is working as Assistant Professor in IIT Roorkee from February 2014. Before joining IIT Roorkee he was research and development team of Danfoss Solar inverter and ABB. He has over a decade of experience in power quality issues and published four IEEE transaction on it. He is also teaching this course in IIT Roorkee for past two years for UG and PG (B.Tech fourth year and M.Tech) . His teaching is right blending of Industry, research and academic interest

COURSE PLAN :

Week 1: Brief introduction and Concepts of Microgrid

Week 2: Types of Microgrid system, Microgrids vs Central Conventional power system

Week 3: AC and DC Microgrids, comparison between AC and DC Microgrids

Week 4: Power Electronic Converters in Microgrid application, DC Microgrid Topologies

Week 5: DC Power source components, application of DC Microgrids

Week 6: DC Microgrid operations, Some Standards related with DC Power Circuit.

Week 7: Control methods in DC Microgrid

Week 8: Linear and nonlinear Stability system in DC Microgrid

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List of Registered Students

Name of the Program: DC Microgrid and Control System A.Y: 2020-21

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1.	18A31A0204	Kola Sri Lakshmi Akanksha	EEE	Sept - Nov 2020, 8 Weeks	Yes
2.	18A31A0205	Koreddy Naga Durga	EEE	Sept - Nov 2020, 8 Weeks	Yes
3.	18A31A0213	Thota Sruthi	EEE	Sept - Nov 2020, 8 Weeks	Yes
4.	18A31A0233	Kollapureddy Satya Nukesh	EEE	Sept - Nov 2020, 8 Weeks	Yes
5.	19A35A0206	Mudunuru Satya Sriram	EEE	Sept - Nov 2020, 8 Weeks	No
6.	19A35A0209	Sivaneni Anand Eswar	EEE	Sept - Nov 2020, 8 Weeks	No
7.	19A35A0210	Vasamsetti Veera Venkata Lokesh	EEE	Sept - Nov 2020, 8 Weeks	No
8.	18A31A0278	Vommi Prem Kumar	EEE	Sept - Nov 2020, 8 Weeks	Yes
9.	18A31A0279	Vonteddu Sri Naga Sai Datha Vimal	EEE	Sept - Nov 2020, 8 Weeks	Yes
10.	18A31A0287	Gandham Sanjay Kumar	EEE	Sept - Nov 2020, 8 Weeks	No
11.	18A31A0290	Guda Bhagya Vinayaka Yogi	EEE	Sept - Nov 2020, 8 Weeks	No
12.	18A31A0291	Gummaregula Siva Sai Manohar	EEE	Sept - Nov 2020, 8 Weeks	No
13.	19A35A0212	Yella Mahima Anjeelina	EEE	Sept - Nov 2020, 8 Weeks	Yes
14.	19A35A0218	Isukapatla Syam Sundar	EEE	Sept - Nov 2020, 8 Weeks	Yes

Coordinator

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Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20EE84S32340157

To
ISUKAPATLA SYAM SUNDAR
PENSION LINE,1-4-23/2, SAMALKOT, ANDHRA PRADESH
SAMALKOT
ANDHRA PRADESH - 533440
PH. NO :9133627210

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ISUKAPATLA SYAM SUNDAR

for successfully completing the course

DC Microgrid and Control System

with a consolidated score of **63** %

Online Assignments	22.08/25	Proctored Exam	41.25/75

Total number of candidates certified in this course: **144**

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

Sep-Nov 2020
(8 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

Roll No: NPTEL20EE84S32340157

To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20EE84S32340147

To
KOREDDY NAGA DURGA
D NO : 6-1-119 , MIRAPAKAYALA STREET,
PITHAPURAM
NEAR MAREMMA TEMPLE
PITHAPURAM
ANDHRA PRADESH - 533450
PH. NO :6281849893

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KOREDDY NAGA DURGA

for successfully completing the course

DC Microgrid and Control System

with a consolidated score of **69** %

Online Assignments	22.50/25	Proctored Exam	46.5/75

Total number of candidates certified in this course: **144**

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

Sep-Nov 2020
(8 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL20EE84S32340147

To validate and check scores: https://nptel.ac.in/noc

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Near Peddapuram, E.G.Dt. (AP)-533 437

INTRODUCTION TO SMART GRID

PROF. N P PADHY
[illegible]

PROF. PREMALATA JENA
[illegible]

INTENDED AUDIENCE : UG/PG/PhD students, Industries and academic professionals

PRE-REQUISITES : Basic Understanding of Power System and Power Electronics Engineering

INDUSTRY SUPPORT : State Power Transmission and Distribution companies, DISCOMs, TRANSCO, POWERGRID, Private sector ABB, Schneider, Siemens, etc.

COURSE OUTLINE :

This course mainly focuses on background and fundamental building blocks of smart grid with stringent emphasis on practical applications in the existing power system network. This course provides overview of smart grid and its potential in different types of power sectors such as power generation, transmission and distribution in Metro, Urban/Semi urban and remote locations of India. This also emphasizes on renewable energy source integration in present grids as well as in micro and nano grids as part of the course and explores its issues in operation, analysis, management, control, protection and monitoring. In addition to it, this further provides detailed utility level analysis in terms of energy management, network analysis and operation of renewable based smart grids.

ABOUT INSTRUCTOR :

Prof. Narayana Prasad Padhy is working as a Professor in the Department of Electrical Engineering and Dean of Academic Affairs, Indian Institute of Technology (IIT) Roorkee, Roorkee, India. He received the Ph.D. degree in power systems engineering from Anna University, Chennai, India, in the year 1997.

Prof. Premalata Jena is currently an Assistant Professor in the Department of Electrical Engineering, Indian Institute of Technology, Roorkee, India. She received Ph.D. degree in power system protection from the Indian Institute of Technology Kharagpur, Kharagpur, India, in 2011.

COURSE PLAN :

Week 01 : Introduction to Smart Grid I& II, Architecture of Smart Grid System, Standards for Smart Grid System Elements and Technologies of Smart Grid System

Week 02 : Elements and Technologies of Smart Grid System-II Distributed Generation Resources-I, II, III & IV

Week 03 : Wide Area Monitoring Systems-I & II, Phasor Estimation-I & II, Digital relays for Smart Grid Protection

Week 04 : Islanding Detection Techniques-I, II, III & IV, Smart Grid Protection-I

Week 05 : Smart Grid Protection-II& III, Modelling of Storage Devices, Modelling of DC Smart Grid components Operation and control of AC Microgrid-I

Week 06 : Operation and control of AC Microgrid-II, Operation and control of DC Microgrid-I & II, Operation and control of AC-DC hybrid Microgrid-I & II

Week 07 : Simulation and Case study of AC Microgrid, Simulation and Case study of DC Microgrid, Simulation and Case Study of AC-DC Hybrid Microgrid, Demand side management of Smart Grid, Demand response analysis of Smart Grid

Week 08 : Energy Management, Design of Smart grid and Practical Smart Grid case study-I & II. System Analysis of AC/DC Smart Grid, Conclusions.

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Near Peddapuram, E.G.Dt. (AP)-533 437

List of Registered Students

Name of the Program: Introduction to Smart Grid

A.Y: 2020-21

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	18A31A0237	Makineedi Akash	EEE	Sept - Nov 2020, 8 Weeks	No
2.	18A31A0249	Varasala Tarun Kumar	EEE	Sept - Nov 2020, 8 Weeks	Yes
3.	19A35A0202	Vadaparthi Surya Kiranmai	EEE	Sept - Nov 2020, 8 Weeks	No
4.	19A35A0203	Amajala Sri Ram Pavan	EEE	Sept - Nov 2020, 8 Weeks	No
5.	18A31A0283	Chitrothu Siva Rama Krishna	EEE	Sept - Nov 2020, 8 Weeks	Yes
6.	18A31A0286	Dasari Premkumar	EEE	Sept - Nov 2020, 8 Weeks	No
7.	18A31A02A5	Thiparti H S S V Mani Vamsi	EEE	Sept - Nov 2020, 8 Weeks	No
8.	19A35A0216	Galla Vijay Sagar	EEE	Sept - Nov 2020, 8 Weeks	Yes
9.	19A35A0217	Gandeti Durga Venkata Satya Harish	EEE	Sept - Nov 2020, 8 Weeks	No
10	19A35A0219	Jinnala Uma Mani Shankar	EEE	Sept - Nov 2020, 8 Weeks	No
11	19A35A0223	Malladi Ravi Varma	EEE	Sept - Nov 2020, 8 Weeks	Yes
12	19A35A0225	Vedula Sai Shyam	EEE	Sept - Nov 2020, 8 Weeks	No

Coordinator

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Roll No: NPTEL20EE65531070005

To
TARUN KUMAR VARASALA
2-101
TEACHERS COLONY
PASUVULANKA
ANDHRAPRADESH - 533220
PH. NO :9502968996

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

TARUN KUMAR VARASALA

for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **50** %

Online Assignments	19.17/25	Proctored Exam	30.62/75

Total number of candidates certified in this course: **366**

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

Sep-Nov 2020
(8 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL20EE65531070005

To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20EE65S32340025

To
MALLADI RAVI VARMA
62-6-20/43,SAMMIDI VARI
STREET,J.RAMARAOPETA,KAKINADA.
62-4-23/24,AKASAPU VARI STREET,J.RAMARAO
PETA,KAKINADA.
KAKINADA
ANDHRA PRADESH - 533002
PH. NO :8096195799

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

MALLADI RAVI VARMA

for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **47** %

Online Assignments	17.08/25	Proctored Exam	30/75

Total number of candidates certified in this course: **366**

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

Sep-Nov 2020
(8 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL20EE65S32340025

To validate and check scores: https://nptel.ac.in/noc

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TECHNICAL ENGLISH FOR ENGINEERS

PROF. AYSHA IQBAL
Department of Humanities & Social Sciences
IIT Madras

INTENDED AUDIENCE : Any Interested Learners

COURSE OUTLINE :

The course covers all the areas of grammar necessary for the undergraduate students of engineering sciences. This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. The course is designed for self-study, where participants will be required to solve regular quizzes and assignments, and can also be used as an add-on to classroom teaching.

ABOUT INSTRUCTOR :

Prof. Aysha Iqbal Viswamohan is professor of film studies, drama and popular culture in the Department of Humanities and Social Sciences, IIT Madras. Among her several books are Behind the Scenes: Contemporary Bollywood Directors(ed.) Sage: New Delhi, 2017, Post-liberalization Indian Novels in English: Global Reception & Politics of Award London: ANTHEM, 2013. Her books on communication include English for Technical Communication, and English for Nurses and English for the Hotel Industry

COURSE PLAN :

Listening: Listening/Reading Comprehension
Dictation
Notemaking

Speaking: Using words in context
Use of formal expressions and usages
Formal presentations (organizing data and slide preparation)

Reading: Skimming through the text
Scanning

Writing: Grammar
Introduction to elements of academic writing
Report Writing
Resume writing
Project Proposal writing

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(Approved by AICTE - Permanently Affiliated to JNTU, Kakinada, Accredited by NAAC with 'A' Grade)
(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act 1956)
Ph: 08853 - 252533, 41 Website: www.pragati.ac.in

Technical English for engineers

COURSE OUTLINE

The course covers all the areas of grammar necessary for the undergraduate students of engineering sciences. This includes topics such as reading/writing/listening comprehension, note taking, summarizing, report writing, along with elements of grammar and vocabulary. The course is designed for self-study, where participants will be required to solve regular quizzes and assignments, and can also be used as an add-on to classroom teaching.

TOPICS COVERED

Listening: Listening/Reading Comprehension
Dictation
Notemaking

Speaking: Using words in context
Use of formal expressions and usages
Formal presentations (organizing data and slide preparation)

Reading: Skimming through the text
Scanning

Writing: Grammar
Introduction to elements of academic writing
Report Writing
Resume writing
Project Proposal writing

NO.OF STUDENTS REGISTERED:23

LIST OF STUDENTS ATTENDED

S.NO	NAME OF STUDENT	ROLL NO
1	ALLURI SUJATHA PRIYADARSHINI	18A31A0301
2	DEEKSHA KANAKA LAKSHMI D	18A31A0303
3	KRUPA MAHESWARI	18A31A0304
4	MUDUNURI BHAVANA SRI	18A31A0306
5	S VAKSHIKA KALYANI	18A31A0307
6	VIVEK ARAVA	18A31A0310
7	BEJAWADA JAGADISHVARA	18A31A0311
8	POORNA SAI EDUPUGANTI	18A31A0320
9	SATYA SAI GARAPATI	18A31A0322
10	VEERA VENKATA SATYANARAYANA GONEMADATHALA	18A31A0325
11	MATTAPALLI PAVAN SAI	18A31A0333
12	PUNYAMANTHULA SAI SRINIVAS CHAKRAVARTHY	18A31A0340
13	SANJAY JOSHI PEYYALA	18A31A0346
14	PILLA SANDEEP	18A31A0347

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15	GANI SHPYLA	18A31A0348
16	SAYED DANISH HAMEED	18A31A0350
17	KOTIKALAPUDI VISHNU KALYAN	18A31A0368
18	TIRUMALANADUNI SANDEEP	18A31A0398
19	VASA PRADEEP	18A31A03A0
20	GANDEPALLI VISHNU VARDHAN SRI RAJ	18A31A03B2
21	VAIDADI SUNEEL	18A31A03F1
22	TARUN KUMAR VARADA	18A31A03F3
23	SAI ADITYA VARDHAN SANKU	19A35A0312

RESOURCE PERSON DETAILS

Prof.Aysha Iqbal Viswamohan is professor in the Department of Humanities & Social Sciences , IIT Madras.

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Near Peddapuram, E.G.Dt. (AP)-533 437

18A31001311

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Roll No: NPTEL20HS56532340192

To
ALLURI SUJATHA PRIYADARSHINI
D.NO: 2-223, PHASE 1, PLOT-4, SKS MEGA
TOWNSHIP, GANGANAPALLI
ANDHRA PRADESH - 533006
PH. NO: 9848415999

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ALLURI SUJATHA PRIYADARSHINI

for successfully completing the course

Technical English for Engineers

with a consolidated score of 71 %

Online Assignments	21.67/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: 2014

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL20HS56532340192

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18A31A0303

Roll No: NPTEL20HS56S32340119

To
DEEKSHA KANAKA LAKSHMI D
2-187/1,SIMHADRI NAGAR
VALASAPAKALA
KAKINADA
ANDRA PRADESH - 533005
PH. NO :9881568194

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Complete
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

[redacted]

This certificate is awarded to

DEEKSHA KANAKA LAKSHMI D

for successfully completing the course

Technical English for Engineers

with a consolidated score of 78 %

Online Assignments	22.08/25	Proctored Exam	55.5/75

Total number of candidates certified in this course: 2014

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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Near Peddapuram, E.G.Dt. (AP)-533 437

FUNDAMENTALS OF MANUFACTURING PROCESSES

PROF. D.K. DWIVEDI
Dept. of Mechanical and Industrial Engineering
IIT Roorkee

TYPE OF COURSE : Rerun | Core | UG/PG
COURSE DURATION : 12 weeks (26 Jul'21 - 15 Oct'21)
EXAM DATE : 24 Oct 2021

INTENDED AUDIENCE : Any interested learners

COURSE OUTLINE :

It is proposed to include fundamental of following aspects of manufacturing technology: Understanding Manufacturing concept of manufacturing, need, scope, advantages, limitation, application, materials and manufacturing, classification of manufacturing, process capabilities, selection, break even analysis of manufacturing processes. Casting: approach, steps, pattern, molding, gate and riser, melt treatment, solidification, casting processes: sand mould, shell mould, permanent mould casting, casting defect and their remedy. Forming: approach, hot and cold forming, rolling, forging, extrusion, drawing, sheet metal forming, press, dies, types of dies and die set sheet metal operations punching, blanking, notching, nibbling. Joining: approach, need, principle of fusion welding, gas welding, thermit welding, arc welding common arc welding processes, resistance welding, weldability of metals, solidification of weld, weld discontinuities and their remedy. Machining: approach, mechanism, classification, cutting tool, tool material, heat generation, cutting fluid, grinding, internal and external surface grinding, centerless grinding designation and selection of grinding wheel, trueing and balancing, honing, reaming, lapping, polishing etc. Improving properties: heat treatment of steel and aluminum alloys, Fe-C diagram, TTT diagram, and CCT diagram, heat treatment processes annealing, normalizing, quenching tempering, surface modification methods namely without change chemistry, changing chemical composition and development of coating and cladding.

ABOUT INSTRUCTOR :

Prof. D.K. Dwivedi obtained BE (mechanical engineering) , in 1993 from GEC Rewa, ME (welding engineering) from Univ. of Roorkee in 1997 and PhD in Met. Engineering from MNIT, Jaipur in 2003. He has about 9 years teaching experience at NIT Hamirpur and 12 years at IIT Roorkee of subjects related with manufacturing at UG level and welding engineering related subjects at PG level.

COURSE PLAN :

Week 01 : Understanding Manufacturing
Week 02 : Selection of manufacturing processes
Week 03 : Metal Casting: Steps of casting processes
Week 04 : Metal Casting: Sand Moulding II
Week 05 : Metal Casting: Cleaning of casting
Week 06 : Metal working processes: Rolling
Week 07 : Metal working processing: Sheet metal operations (Shearing)
Week 08 : Material removal processes: Mechanism of the metal cutting
Week 09 : Material removal processes: Tool materials
Week 10 : Material removal processes: Grinding operations
Week 11 : Joining of metals: Weldability and welding defects
Week 12 : Heat treatment: Tempering

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PRAGATI ENGINEERING COLLEGE

(Autonomous)

[illegible]

Fundamentals of manufacturing processes – Online

COURSE OUTLINE

It is proposed to include fundamental of following aspects of manufacturing technology. Understanding Manufacturing concept of manufacturing need, scope, advantages limitation, application, materials and manufacturing classication of manufacturing, process capabilities selection, break even analysis of manufacturing processes Casting approach, steps, pattern, molding, gate and riser, melt treatment, solidification casting processes sand mould, shell mould permanent mould casting, casting defect and their remedy. Forming, approach, hot and cold forming, rolling, forging, extrusion, drawing, sheet metal forming, press, dies, types of dies and die set sheet metal operations punching, blanking, notching, nibbling. Joining, approach, need principle of fusion welding, gas welding, thermit welding, arc welding common arc welding processes, resistance welding, weldability of metals, solidication of weld, weld discontinuities and their remedy. Machining, approach, mechanism, classication, cutting tool, tool material, heat generation, cutting and, grinding, internal and external surface grinding, centerless grinding designation and selection of grinding wheel, trueing and balancing, honing, reaming, lapping, polishing etc. Improving properties: heat treatment of steel and aluminum alloys, Fe-C diagram, TTT diagram, and CCT diagram, heat treatment processes annealing, normalizing, quenching tempering, surface modication methods namely without change chemistry, changing chemical composition and development of coating and cladding.

TOPICS COVERED

Week 01 : Understanding Manufacturing

Week 02 : Selection of manufacturing processes

Week 03 : Metal Casting: Steps of casting processes

Week 04 : Metal Casting: Sand Moulding II

Week 05 : Metal Casting: Cleaning of casting

Week 06 : Metal working processes: Rolling

Week 07 : Metal working processing: Sheet metal operations (Shearing)

Week 08 : Material removal processes: Mechanism of the metal cutting

Week 09 : Material removal processes: Tool materials

Week 10 : Material removal processes: Grinding operations

Week 11 : Joining of metals: Weldability and welding defects

Week 12 : Heat treatment: Tempering

NO.OF STUDENTS : 62

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	TELUGU AJAY	17A31A0350
2	CHEEKATLA SRAVANI JYOTHI VARA LAKSHMI	18A31A0302
3	B KESHAV	18A31A0313
4	CHALLA VEERA YASWANTH KUMAR	18A31A0314
5	CHITTURI THIRUVENKATESH	18A31A0315

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(Autonomous)

[illegible]

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with A+ Grade)

(Recognised by [illegible] Sec 2(f) and 12(B) of UGC act 1956)

Ph: [illegible] Website: www.pragati.ac.in

6	CHODISETTI DORA BABU	18A31A0316
7	DHULIPUDI APPARAO	18A31A0318
8	GEESALA GANESH SWAMY	18A31A0323
9	GOLLAPALLI ARAVIND	18A31A0324
10	J.SATISHCHARAN	18A31A0328
11	KATIPALLI SWEET BABU	18A31A0330
12	MALASANI VENKATARAMANA	18A31A0334
13	MATTA MOHAN SATYA SAI VENKAT	18A31A0335
14	MUTCHAKARLA SURESH	18A31A0337
15	NAMA NAGABABU	18A31A0338
16	PANDA SAI SRINIVAS GANESH	18A31A0343
17	SASHENDRA SRINIVAS BASWANTH PAPPULA	18A31A0344
18	PATNALA GUNA SAGAR	18A31A0345
19	VITTANALA PAVANKUMAR	18A31A0351
20	YENNANA SATYA PRABHAKAR MURTHY	18A31A0352
21	ALLAM BHIMA DHANARAJU	18A31A0353
22	DARBHA SANDEEP DATTA	18A31A0360
23	DINDI NAGA PRASHANTH	18A31A0361
24	KRISHNA SAI KONDAPU	18A31A0366
25	MEDISETTI SUNEEL KUMAR	18A31A0371
26	MANGA VEERA CHANDRA SEKHAR	18A31A0374
27	MOHAMMAD NAWAZ SHARIFF	18A31A0377
28	NATHIPAM GANESH	18A31A0381
29	NUNNA VENKATA NAGA SAI MANIKANTA	18A31A0383
30	PENKE HEMANTH KUMAR	18A31A0384
31	PITTA DAANTE	18A31A0387
32	POTNURI SAIKRISHNA	18A31A0388
33	SEELI PRAVEEN KUMAR	18A31A0394
34	SURADA SURYA DILEEP	18A31A0396
35	VERIKONDILAKSHMIKUMAR	18A31A03A1
36	YANDRA BHARATH KALYAN	18A31A03A3
37	YELLA LAKSHMI NARENDRA	18A31A03A4
38	CH MURALI KRISHNA	18A31A03A7
39	PADMA DORA DESALANKA	18A31A03A8
40	E SANDEEP	18A31A03B1
41	GUNNAM AKHIL	18A31A03B5
42	KILAPARTHI SANDEEP KUMAR	18A31A03C4
43	VENKATA SWAROOP MAJJI	18A31A03C6
44	KARTHIK PINISETTI	18A31A03D9
45	KANCHERLA AJAY KUMAR	18A31A03H7
46	GODAVARTHI RAMA LAKSHMI	19A35A0301
47	GEETHA SRI PALIKA	19A35A0302
48	THOTAKURA MEGHANA	19A35A0303
49	VASAPALLI VEERA DURGA CHISHMA	[illegible]
50	ALLAM LOKESH	[illegible]5A0305

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51	CHILLAPALLI VENKATA RAMANA	19A35A0306
52	CHOKKA SUNIL	19A35A0307
53	GORSIPUDI NAVEEN	19A35A0308
54	MALLIDI SAI VENKATA SRINIVASA REDDY	19A35A0309
55	RAYUDU VENKATA SIVA SUBRAHMANYAM	19A35A0311
56	SATHI HIMA TEJA REDDY	19A35A0313
57	VEMAVARAPU SANDEEP	19A35A0314
58	KADULURI JOSEPH	19A35A0322
59	MERUGU KIRANKUMAR	19A35A0323
60	PRABHU RAJU	19A35A0325
61	SAMPATHIRAO SATISHKUMAR	19A35A0342
62	MOLLETI SANJAY KUMAR	19A35A0350

RESOURCE PERSON DETAILS

Prof. D.K. Dwivedi obtained BE (mechanical engineering) , in 1993 from GEC Rewa. ME (welding engineering) from Univ. of Roorkee in 1997 and PhD in Met. Engineering from MNIT. Jaipur in 2003.

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Roll No: NPTEL20ME67582340672

To
CHEEKATLA SRAVANI JYOTHI VARA LAKSHMI
2-4,LAMPARALOVA
PRATHIPADU MANDAL, EAST GODAVARI DISTRIC
DHARAMAVARAM
ANDHRA PRADESH - 533430
PH. NO :9110395682

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

CHEEKATLA SRAVANI JYOTHI VARA LAKSHMI

for successfully completing the course

Fundamentals of Manufacturing Processes

with a consolidated score of 52 %

Online Assignments	18.75/25	Proctored Exam	33/75

Total number of candidates certified in this course: 649

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

Sep-Dec 2020
(12 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
Near Peddapuram, E.G.Dt. (AP)

swayam

Roll No: NPTEL20ME67582340672

To verify and check scores: https://nptel.ac.in/noc

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18A31A0313

Roll No: NPTEL20ME67582340156

To
B KESHAV
DOOR NO.5-6-14, KRISHNA BAZAAR
MASEEDVEEDHI, NARSIPATNAM
NARSIPATNAM
ANDHRA PRADESH - 531116
PH. NO :7993446524

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

B KESHAV

for successfully completing the course

Fundamentals of Manufacturing Processes

with a consolidated score of 62 %

Online Assignments	21.56/25	Proctored Exam	40.5/75

Total number of candidates certified in this course: 649

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

Sep-Dec 2020
(12 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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(AUTONOMOUS)
Near Peddapuram

swayam

ADVANCED MACHINING PROCESSES

PROF. MANAS DAS
Department of Mechanical Engineering
IITGuwahati

TYPE OF COURSE : Rerun I Elective I UG I PG
COURSE DURATION : 8 weeks (23 Aug' 21 - 15 Oct' 21)
EXAM DATE : 24 Oct 2021

INTENDED AUDIENCE : Intended for UG and PG students who plan to take up this subject as their future research area. Also, for practitionerin industries who want to implement new development ortechnologies in advanced machining to their factory.

INDUSTRIES APPLICABLE TO : Bharat Heavy Electricals Limited (BHEL), Hindustan Aeronautics Limited (HAL), Defense Research and Development Organization (DRDO), Die manufacturing industries, Automobile Industries, Machine Tool Industries, Precision medical equipment manufacturing industries, High precision optics and semiconductor industries

COURSE OUTLINE :

There is a need for machine tools and processes which can accurately and easily machine the most difficult-to-machine materials and workpieces with intricate and accurate shapes. In order to meet these challenges, a number of newer material removal processes have now been developed to the level of commercial utilization. These newer methods are also called unconventional in the sense that conventional tools are not employed for metal cutting. Instead, energy in its direct form is used to remove the material from the workpiece. This course aims at bringing the students up-to-date with the latest technological developments and research trends in the field of unconventional / nontraditional / modern machining processes.

ABOUT INSTRUCTOR :

Prof. Manas Das is an Assistant Professor in the Department of Mechanical Engineering, Indian Institute of Technology Guwahati, India since 2012. He received his Masters and Ph.D. degree from Mechanical engineering Department, IIT Kanpur. His research areas include Advanced Finishing and Nano-finishing Processes, Magnetorheological Finishing (MRF) Process, Advanced/Non-traditional Machining Processes, Micromachining processes. Dr. Das has published more than 20 papers in reputed journal and conferences. He has also written 2 book chapters in the area of surface finishing. Presently, he is supervising 5 Ph.D. students in the broad area of manufacturing.

COURSE PLAN :

Week 1: Introduction to advanced machining processes and their classification, Ultrasonic machining and its modelling and analysis

Week 2: Abrasive jet machining (AJM), Water jet cutting (WJC) and Abrasive water jet machining (AWJM), Magnetic abrasive finishing (MAF) and its modelling

Week 3: Abrasive flow finishing (AFF) and its modelling, Magnetorheological finishing (MRF)

Week 4: Magnetorheological abrasive flow finishing (MRAFF) and its modelling and analysis

Week 5: Electric discharge machining (EDM):Principle, applications, process parameters, and modelling. Electric Discharge Grinding (EDG),Electric Discharge Diamond Grinding (EDDG), and Wire Electric Discharge Machining (W EDM)

Week 6: Laser beam machining (LBM), Plasma arc machining (PAM), Electron Beam Machining (EBM)

Week 7: Electro chemical machining (ECM):Principle, applications, and process parameters and modelling

Week 8: Electrochemical Grinding (ECG),Electrostream Drilling (ESD),Shaped Tube Electrolytic Machining (STEM), Chemical machining (ChM)

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PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. - 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with A+ Grade)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC Act, 1956)

Ph: 08853-255234-11, Website: www.pragati.ac.in

Advanced Machining Processes

COURSE OUTLINE

There is a need for machine tools and processes which can accurately and easily machine the most difficult-to-machine materials and work pieces with intricate and accurate shapes. In order to meet these challenges, a number of newer material removal processes have now been developed to the level of commercial utilization. These newer methods are also called unconventional in the sense that conventional tools are not employed for metal cutting. Instead, energy in its direct form is used to remove the material from the work piece. This course aims at bringing the students up-to-date with the latest technological developments and research trends in the field of unconventional / nontraditional / modern machining processes.

TOPICS COVERED

Week 1 : Introduction to advanced machining processes and their classificationUltrasonic machining and its modelling and analysis

Week 2 : Abrasive jet machining (AJM)

Water jet cutting (WJC) and Abrasive water jet machining (AWJM)

Magnetic abrasive finishing (MAF) and its modelling

Week 3 : Abrasive flow finishing (AFF) and its modelling

Magnetorheological finishing (MRF)

Week 4 : Magnetorheological abrasive flow finishing (MRAFF) and its modelling and analysis

Week 5 : Electric discharge machining (EDM): Principle, applications, process parameters, and modelling

Electric Discharge Grinding (EDG), Electric Discharge Diamond Grinding (EDDG), and Wire Electric Discharge Machining (W-EDM)

Week 6 : Laser beam machining (LBM)

Plasma arc machining (PAM)

Electron Beam Machining (EBM)

Week 7 : Electro chemical machining (ECM): Principle, applications, and process parameters and modelling

Week 8 : Electrochemical Grinding (ECG), Electrostream Drilling (ESD), Shaped Tube Electrolytic Machining (STEM),Chemical machining (ChM)

NO.OF STUDENTS REGISTERED: 19

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	MANOGJNA BONDAPALLI	18A31A0305
2	KURASA MANIKYA CHAKRADHAR	18A31A0332
3	NIDADAVOLU SESHA SAI ABHIRAM	18A31A0339
4	PABBINEEDI JAYAKANTH	18A31A0341
5	K SRINIVAS TRIGUN	18A31A03B9
6	KATTA PRAVEEN SRINIVAS	18A31A03G2

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7	NELA CHAITANYA TEJA	18A31A03D1
8	SHAIK S J HUSSAIN KAREEMULLA SHA KHADARI	18A31A03E1
9	SHAIK IMRAN	18A31A03E4
10	VANKA SRI SURYA SATYA SUMANTH	18A31A03F2
11	YELLABOINA SATISH	18A31A03F6
12	ANAPARTHI RISHIN RAJU	18A31A03G0
13	MATTAPARTHI DIVAKAR SETTY	18A31A03I1
14	SAI PRANEETH	18A31A03I4
15	PRATHI PAVAN KUMAR	19A35A0310
16	AKUMARTHI NIRANJAN	19A35A0315
17	CHITTURI CHAKRAVARTHI	19A35A0318
18	GORAPALLI DEVI NAGA MANIKANTA	19A35A0332
19	RONGALA LEELA SATISH KUMAR	19A35A0341

RESOURCE PERSON DETAILS

Dr. Manas Das is an Assistant Professor in the Department of Mechanical Engineering, Indian Institute of Technology Guwahati, India since 2012.

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Near Peddapuram, E.G.Dt. (AP)-533 437

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B Manogina
(BT31A0305
Mec-A

Roll No: NPTEL20ME76582340375

To
MANOGINA BONDAPALLI
D.NO.3-1-7,DORAYYAPETA,PEDDAPURAM,EAST GODAVARI DISTRICT
ANDHRA PRADESH
PEDDAPURAM
ANDHRA PRADESH - 533437
PH. NO :9849333123

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Complete
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

MANOGINA BONDAPALLI

for successfully completing the course

Advanced Machining Processes

with a consolidated score of 46 %

Online Assignments	15.75/25	Proctored Exam	30/75

Total number of candidates certified in this course: 602

Sep-Nov 2020
(8 week course)

Prof. Hemant B Kaushik
Head, Centre for Educational Technology
& NPTEL Coordinator
IIT Guwahati

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM

Indian Institute of Technology Guwahati

swayam

Roll No: NPTEL20ME76582340375

To validate and check scores: https://nptel.ac.in/noc

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18A31A0332.

Roll No: NPTEL20ME76582340341

To
KURASA MANIKYA CHAKRADHAR
8-30, MODEKURRU, KOTHAPETA MANDAL, EAST GODAVARI, ANDHRA PRADESH
8-30,MODEKURRU, KOTHAPETA MANDAL, EAST GODAVARI ANDHRA PRADESH
EAST GODAVARI
ANDHRA PRADESH - 533229
PH. NO :8247810270

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KURASA MANIKYA CHAKRADHAR

for successfully completing the course

Advanced Machining Processes

with a consolidated score of **53** %

Online Assignments	20.42/25	Proctored Exam	33/75

Total number of candidates certified in this course: **602**

Sep-Nov 2020
(8 week course)

Prof. Hemant B Kaushik
Head, Centre for Educational Technology
& NPTEL Coordinator
IIT Guwahati

Indian Institute of Technology Guwahati

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
NH-216, ADB ROAD, SURAMPALEM

swayam

Roll No: NPTEL20ME76582340341

To verify and check scores, https://nptel.ac.in/noc

BASICS OF MATERIALS ENGINEERING

PROF. RATNA KUMAR ANNABATTULA
Department of Mechanical Engineering
IIT Madras

TYPE OF COURSE : Rerun I Core I UG
COURSE DURATION : 12 weeks (26 Jul' 21 - 15 Oct '21)
EXAM DATE : 23 Oct 2021

Industries that might find this course interesting: Automotive industries, Heavy machinery, Product development and Process industries

PREREQUISITES : Basic strength of materials, Basic Engineering Mathematics (Matrices, Calculus)

INDUSTRIES SUPPORT : Caterpillar India Private Limited,Sundaram Clayton,Mahindra & Mahindra, TVS Motors,Lam Research,Siemens Gamesa

COURSE OUTLINE :

The objective of this course is to introduce the basic concepts of materials science and failure theories for design to undergraduate mechanical engineering students. The course is a first level course and hence various concepts such as structure of crystalline materials, defects and their implications to mechanical behavior, the processing of materials through phase diagrams, a detailed discussion on iron-iron carbide equilibrium diagram and heat treatment of steels will be introduced at the introductory level.

ABOUT INSTRUCTOR :

Prof. (Dr.) Ratna Kumar Annabattula is currently an Associate Professor in the department of Mechanical Engineering at Indian Institute of Technology Madras, Chennai. He received his PhD (micromechanics of materials) in 2011 from the University of Groningen, The Netherlands. He obtained his ME in 2004 from Indian Institute of Science, Bengaluru and BE in 2002 from College of Engineering, Andhra University both in Mechanical Engineering. Prior to starting his PhD, he worked for about a year with General Electric India Technology Center, Bangalore. Before joining as a faculty at IIT Madras, he was a postdoc researcher at Karlsruhe Institute of Technology, Germany. His research interests are in the area of mechanics of stimuli-responsive materials, granular materials and multi physics modeling of materials with applications to lithium ion batteries and nuclear fusion.

COURSE PLAN :

Week 1: Introduction, Crystal Structure

Week 2: Imperfections in solids

Week 3: Imperfections in solids (Contd)
Week 4: Mechanical properties of materials

Week 5: Failure of Materials

Week 6: Failure of Materials (Contd)

Week 7: Basics of Fracture Mechanics

Week 8: Fatigue failure theories
Week 9: Fatigue failure theories (Contd)

Week 10: Phase diagrams
Week 11: Phase diagrams (Contd)
Week 12: Thermal Processing and Heat Treatment of Steels

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Basics of Materials Engineering

COURSE OUTLINE

The objective of this course is to introduce the basic concepts of materials science and failure theories for design to undergraduate mechanical engineering students. The course is a first level course and hence various concepts such as structure of crystalline materials, defects and their implications to mechanical behavior, the processing of materials through phase diagrams, a detailed discussion on iron-iron carbide equilibrium diagram and heat treatment of steels will be introduced at the introductory level

TOPICS COVERED

Week 1:Introduction.Crystal Structure
Week 2:Imperfections in solids
Week 3:Imperfections in solids contd.
Week 4:Mechanical properties of materials
Week 5:Failure of Materials
Week 6:Failure of Materials contd.
Week 7:Basics of Fracture Mechanics
Week 8:Fatigue failure theories
Week 9:Fatigue failure theories
Week 10:Phase diagrams
Week 11:Phase diagrams contd.
Week 12: Thermal Processing and Heat Treatment of Steels

NO.OF STUDENTS REGISTERED: 4

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	KOTIKALAPUDI VISHNU KALYAN	18A31A0368
2	MANITEJA KUTCHU	18A31A0369
3	TULASI TILAKSAISRINIVAS	18A31A03E9
4	GARAGA WILLIAMS BABU	19A35A0320

RESOURCE PERSON DETAILS

Dr. Ratna Kumar Annabattula is currently an associate professor in the department of mechanical engineering at Indian Institute of Technology Madras, Chennai.

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18A31A0361

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository. https://nptel.ac.in/noc/

Roll No: NPTEL20ME78S82340447

To,
MANITEJA KUTCHU
ROHINI TOWERS,FLAT NO 102, 2ND FLOOR,
SEETHAYYA GARI THOTA, PITHAPURAM, EAST
GODAVARI DIST.
ANDHRA PRADESH - 533805
PH NO :8019803989

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

[redacted]

This certificate is awarded to

MANITEJA KUTCHU

for successfully completing the course

Basics of Materials Engineering

with a consolidated score of **51** **%**

Online Assignments	13.16/25	Proctored Exam	38.32/75

Total number of candidates certified in this course: **62**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Dec 2020
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

PRINCIPAL

Roll No: NPTEL20ME78S82340447

To verify this certificate please refer to https://nptel.ac.in/noc

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Near Peddapuram, E.G.Dt. (AP)-533 437

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19A31A0369

Roll No: NPTEL20ME78582170035

To
TULASI TILAKSAISRINIVAS
4/14/4
TARVANIPETA
MANDAPETA
ANDHRA PRADESH - 533308
PH. NO :9492773485

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

[redacted]

This certificate is awarded to

TULASI TILAKSAISRINIVAS

for successfully completing the course

Basics of Materials Engineering

with a consolidated score of **49** **%**

Online Assignments	16.13/25	Proctored Exam	32.61/75

Total number of candidates certified in this course: **62**

Devendra Jalihal

Prof. Devendra Jalihal
Professor
Dept. of Engineering Design, IITM

Sep-Dec 2020
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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(AUTONOMOUS)
SURAMPALEM

swayam

Roll No: NPTEL20ME78582170035

To validate and check scores: https://nptel.ac.in/noc

Near Peddapuram

ENHANCING SOFT SKILLS AND PERSONALITY

PROF.T. RAVICHANDRAN
Department of Humanities and Social Sciences
IIT Kanpur

TYPE OF COURSE : Rerun I Elective I UG/PG
COURSE DURATION : 8 weeks (15 Feb' 21 - 09 Apr' 21)
EXAM DATE : 24 Apr 2021

PRE-REQUISITES : No prerequisite is required. Background knowledge of MOOC Course on "Developing Soft Skills and Personality" is preferred. "Developing Soft Skills and Personality" course was also recognized as FDP during Aug-Oct'18 Period.

INTENDED AUDIENCE : Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRIES APPLICABLE TO : All industry/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

COURSE OUTLINE :

The course aims to cause an enhanced awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in ones life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfilment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills. The focus of this course is on interpersonal and management skills.

ABOUT INSTRUCTOR :

Prof. T. RAVICHANDRAN is presently a Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India. He has written about fifty research articles/book chapters, supervised six doctoral theses, edited a special issue on Cyberpunk Literature for the Creative Forum Journal, and published a book on Postmodern Identity. He is a recipient of the Fulbright-Nehru Academic and Professional Excellence Fellowship (2014-15) for his research/teaching at Duke University, North Carolina, USA. He is honored with Champa Devi Gangwal Chair Professorship at IIT Kanpur. In his distinguished twenty-five years of teaching career, he has taught various courses in English Language and Literature. His NPTEL Video and Web courses on Communication Skills are well-acclaimed nationally and internationally. His NPTEL MOOC on Developing Soft Skills and Personality became hugely popular and well-received by about fifteen thousand participants from India and abroad.

COURSE PLAN :

Week 1 :
Highlights of Developing Soft Skills and Personality Course-1-24 • Highlights of Developing Soft Skills and Personality Course-25-48 • Definitions and Types of Mindset • Learning Mindsets • Secrets of Developing Growth Mindsets

Week 2 :
Importance of Time and Understanding Perceptions of Time •Using Time Efficiently• Understanding Procrastination Overcoming Procrastination • Don't Say "Yes" to Make Others Happy!

Week 3 :
Types of People• How to Say "No" • Controlling Anger • Gaining Power from Positive Thinking-1
Gaining Power from Positive Thinking-2

Week 4 :
What Makes Others Dislike You? • What Makes Others Like You?-1 • What Makes Others Like You?-2
Being Attractive-1 • Being Attractive-2

Week 5 :
Common Errors-1 • Common Errors-2 • Common Errors-3
Common Errors-4 • Common Errors-5

Week 6 :
Humour in Communication • Humour in the Workplace • Function of Humour in the Workplace
Money and Personality • Managing Money

Week 7 :
Health and Personality • Managing Health-1: Importance of Exercise • Managing Health-2: Diet and Sleep
Love and Personality • Managing Love

Week 8 :
Ethics and Etiquette • Business Etiquette • Managing Mind and Memory
Improving Memory • Care for Environment • Highlights of the Course

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Enhancing Soft Skills and Personality

COURSE OUTLINE

The course aims to cause an enhanced awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfilment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills. The focus of this course is on interpersonal and management skills.

TOPICS COVERED

Week 1 :

- Highlights of Developing Soft Skills and Personality Course-1-24
- Highlights of Developing Soft Skills and Personality Course-25-48
- Definitions and Types of Mindset
- Learning Mindsets
- Secrets of Developing Growth Mindsets

Week 2 :

- Importance of Time and Understanding Perceptions of Time
- Using Time Efficiently
- Understanding Procrastination
- Overcoming Procrastination
- Don't Say "Yes" to Make Others Happy!

Week 3 :

- Types of People
- How to Say "No"
- Controlling Anger
- Gaining Power from Positive Thinking-1
- Gaining Power from Positive Thinking-2

Week 4 :

- What Makes Others Dislike You?
- What Makes Others Like You?-1
- What Makes Others Like You?-2
- Being Attractive-1
- Being Attractive-2

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Week 5 :

- Common Errors-1
- Common Errors-2
- Common Errors-3
- Common Errors-4
- Common Errors-5

Week 6 :

- Humour in Communication
- Humour in the Workplace
- Function of Humour in the Workplace
- Money and Personality
- Managing Money

Week 7 :

- Health and Personality
- Managing Health-1: Importance of Exercise
- Managing Health-2: Diet and Sleep
- Love and Personality
- Managing Love

Week 8 :

- Ethics and Etiquette
- Business Etiquette
- Managing Mind and Memory
- Improving Memory
- Care for Environment
- Highlights of the Course

NO.OF STUDENTS REGISTERED: 2

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	KASAPU SAI MANIKANTA	17A31A0321
2	PONAGANTI UMA MAHESH	17A31A0338

RESOURCE PERSON DETAILS

Dr. T. RAVICHANDRAN is presently a Professor of English and the Head of the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India.

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Roll No: NPTEL20HS10S22340114

To
KASAPU SAI MANIKANTA
2-13,OC PETA,MAIN ROAD
BHADRAVARAM
EAST GODAVARI
ANDHRA PRADESH - 533429
PH. NO 9492992537

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KASAPU SAI MANIKANTA

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of 60 %

Online Assignments	20.00/25	Proctored Exam	39.75/75

Total number of candidates certified in this course: 3466

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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Near Peddapuram, E.G.Dt. (A.P.)

swayam

INDUSTRIAL SAFETY ENGINEERING

PROF. JHARESWAR MAITI
Department of Mechanical Engineering
IIT Kharagpur

INTENDED AUDIENCE : All Engineering, Science, and Management Students

INDUSTRIES APPLICABLE TO :

1. Manufacturing companies like GM, Tata Motors, Tata Steel
2. Process industries such as ONGC
3. Mining industry like Coal India Limited
4. Construction companies like L&T
5. General Electric
6. R&D organizations

COURSE OUTLINE

Safety is one of the key dimensions of engineering asset management. Safety by design or prevention through design is in the core for maintaining engineering systems safe. The objective of this course is to impart knowledge on different facets and aspects of engineering systems safety, focusing on tools, techniques and methodologies needed for prevention of occurrences of unsafe operations and accidents under different industrial settings. Upon completion of the course, the students will be equipped with concepts of engineering systems safety, dimensions of engineering systems safety, safety design and analysis mathematics, design for engineering systems safety and control for safety, and integrating safety with other operational goals such as quality and reliability.

ABOUT INSTRUCTOR

Prof. Jhareswar Maiti, PhD, Professor, Department of Industrial & Systems Engineering, Indian Institute of Technology (IIT), Kharagpur has more than fifteen years of teaching, research and consulting experience on Safety Analytics, Quality Analytics and Engineering Ergonomics. He has published more than 70 papers in international and national journals of repute and more than 30 papers in conference proceedings. Till date, he has supervised 11 PhD candidates to successful completion and currently supervising 8 PhD research candidates. He has been executing a number of industry-sponsored consulting and Government as well industry funded research projects. His current UAY project entitled Safety analytics save people at work from accidents and injuries was funded by MHRD, Ministry of Steel, and Tata Steel Limited. He has organized 17 training programmes and short-term courses for industry participants. Prof Maiti has been pursuing research on safety analytics, quality analytics, and engineering ergonomics including the applications of multivariate statistical modeling since 1995. Prof Maiti excels in teaching Safety Engineering, Safety Analytics, Work System Design, Quality Engineering, Design and Analysis of Experiments (DOE), Six-sigma Fundamentals and Applications, and Applied Multivariate Statistical Modeling. A 42 lecture series on "Applied Multivariate Statistical Modeling" of Prof Maiti is available in Youtube uploaded by NPTEL (national programme on technology enhanced learning). Prof Maiti has been serving the editorial board member of several international journals of repute. Presently he is the editorial board member of Safety Science published by Elsevier Science, International Journal of Injury Control and Safety Promotion, published from Taylor & Francis, and Safety and Health at Work (SHAW) published by Elsevier Science

COURSE PLAN

Week 1 : Introduction, key concepts, terminologies, and safety quantification, safety by design
Week 2 : Hazard identification techniques (e.g., HAZOP, FMEA, etc.)
Week 3 : Fault tree and event tree analysis (qualitative & quantitative)
Week 4 : Bow-tie and quantitative risk assessment (QRA)
Week 5 : Safety function deployment
Week 6 : Safety vs reliability – quantification of basic events (repair to failure, repair-failure-repair and combined processes)
Week 7 : Safety vs reliability – quantification of basic events (contd.)
Week 8 : Systems safety quantification (e.g., truth tables, structure functions, [illegible])
Week 9 : Human error analysis and safety
Week 10 : Accident investigation and analysis
Week 11 : Application of virtual reality
Week 12 : OSHAS 18001 and OSHMS

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Near Peddapuram, E.G.Dt. (AP)-533 437

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(Autonomous)
ADB Road, Surampalem, E.G.Dt., A.P. - 533 437
(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by N.B.A. & N.A.A.C. with 'A' Grade,
Recognized by UGC Under Sections 2(f) and 12(B) of U.G.C. Act, 1956)
Ph: 08852 - 252233, 34, Website: www.pragati.ac.in

Industrial Safety Engineering

COURSE OUTLINE

Safety is one of the key dimensions of engineering asset management. Safety by design or prevention through design is in the core for maintaining engineering systems safe. The objective of this course is to impart knowledge on different facets and aspects of engineering systems safety, focusing on tools, techniques and methodologies needed for prevention of occurrences of unsafe operations and accidents under different industrial settings. Upon completion of the course, the students will be equipped with concepts of engineering systems safety, dimensions of engineering systems safety, safety design and analysis mathematics, design for engineering systems safety and control for safety, and integrating safety with other operational goals such as quality and reliability.

TOPICS COVERED

Week 1 : Introduction, key concepts, terminologies, and safety quantification, safety by design

Week 2 : Hazard identification techniques (e.g., HAZOP, FMEA, etc.)

Week 3 : Fault tree and event tree analysis (qualitative & quantitative)

Week 4 : Bow-tie and quantitative risk assessment (QRA)

Week 5 : Safety function deployment

Week 6 : Safety vs reliability – quantification of basic events (repair to failure, repair-failure-repair, and combined processes)

Week 7 : Safety vs reliability – quantification of basic events (contd.)

Week 8 : Systems safety quantification (e.g., truth tables, structure functions, minimal cut sets) Week 9 : Human error analysis and safety

Week 10 : Accident investigation and analysis

Week 11 : Application of virtual reality Week 12 : OSHAS 18001 and OSHMS

NO.OF STUDENTS REGISTERED: 39

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	ANUGULA SUMANTH	18A31A03A5
2	GANDEPALLI VISHNU VARDHAN SRI RAJ	18A31A03B2
3	GOLLA DATTA VEERA MANOJ	18A31A03B5
4	INDUGULA RAVINDRA	18A31A03B6

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5	MUNDURI SATISH	18A31A03C8
6	NUMA SRINIVASU	18A31A03C9
7	DURGA PRASAD	18A31A03D2
8	PYLA SHALEM KUMAR	18A31A03D4
9	PADAGA VEERENDRA	18A31A03D5
10	VAIDADI SUNEET	18A31A03E1
11	YADLASAICHARAN	18A31A03F5
12	AINAPURAPU M V SATYA SAI RAGHAVA RAJA	18A31A03F8
13	AKKIREDDI MADHU	18A31A03F9
14	BALAGAM NIROSH VARMA	18A31A03G1
15	CHINTAPALLI RAMESH	18A31A03G6
16	GAMPALA PAVAN SATYA KUMAR	18A31A03G8
17	KOPPAKA PRUDHVI SAI	18A31A03H3
18	VEERA PRADEEP MEDISETTI	18A31A03I3
19	PALAKURTHI VARAPRASAD	18A31A03J0
20	RAYUDU RAMAKRISHNA	18A31A03J4
21	SHEIK NAZEEM	18A31A03J6
22	THOTAKURA DHARMENDRA	18A31A03J8
23	VASA MOHAN KUMAR	18A31A03K2
24	YADAGANI BALA VENKATA KRISHNA	18A31A03K5
25	ALLU SUBRAMANYAM	19A35A0316
26	DONTHAMSETTI VENKATA SURYA SAI	19A35A0319
27	PALIVELA RAKESH	19A35A0324
28	VETCHA VENKATA DURGA ABHISHEK	19A35A0328
29	AVANTSA VEERA RAVI KIRAN	19A35A0329
30	DUDALA RAMAKRISHNA SUBRAHMANYAM	19A35A0330
31	DURGASI BHEEMA MARUTHI UMASURYA	19A35A0331
32	RAGHURAM NOONI	19A35A0338
33	RAYUDU VINAY KUMAR	19A35A0339
34	ROBBI VINAY	19A35A0340
35	KARRI GOWTHAM	19A35A0346
36	KOTHAGALA MANI SURESH	19A35A0347
37	KOTIPALLI PRAVEEN	19A35A0348
38	MATHA BHANU PRAKASH	19A35A0349
39	MUMMINA DEVI VARA PRASAD	19A35A0351

RESOURCE PERSON DETAILS

Prof. Jhareswar Maiti, has organized 17 training programmes and short-term courses for industry participants. Prof Maiti has been pursuing research on safety analytics, quality analytics, and engineering ergonomics including the applications of multivariate statistical modeling since 1995.

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Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20MG43S52340276

To
ANUGULA SUMANTH
BANGARAMMA TEMPLE STREET
ANDHRA PRADESH - 533437
PH. NO :9100311855

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ANUGULA SUMANTH

for successfully completing the course

Industrial Safety Engineering

with a consolidated score of 50 %

Online Assignments	16.88/25	Proctored Exam	33/75

Total number of candidates certified in this course: 616

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Dec 2020
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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Roll No: NPTEL20MG43S52340276

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Roll No: NPTEL20MG43562340260

To
GANDEPALLI VISHNU VARDHAN SRI RAJ
D.NO.11-2-139,VASTAD VARI STREET
NEAR OLD BUS STAND,PITHAPURAM
PITHAPURAM
ANDHRA PRADESH - 533450
PH. NO :8309879594

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

GANDEPALLI VISHNU VARDHAN SRI RAJ

for successfully completing the course

Industrial Safety Engineering

with a consolidated score of 70 %

Online Assignments	20.56/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: 616

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Dec 2020
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL20MG43562340260

To verify the certificate: https://nptel.ac.in/noc

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(AUTONOMOUS)
Near Peddapuram, E.G.Dt. (A.P.)

INSPECTION AND QUALITY CONTROL IN MANUFACTURING

PROF. KAUSHIK PAL
Department of Mechanical Engineering
IIT Roorkee

TYPE OF COURSE : Rerun I Elective I UG/PG
COURSE DURATION : 4 weeks (15 Feb' 21 - 12 Mar' 21)
EXAM DATE : 24 Apr 2021

PRE-REQUISITES : None

INTENDED AUDIENCE : UG & PG students of Mechanical Engg., Automobile Engg., Welding Engg. Metallurgy, Chemical Engg, Aerospace Engg, Material Science,Manufacturing and Production Engg. etc. R&D personals in industries.

INDUSTRIES APPLICABLE TO : Manufacturing based industries: TATA Motors, ISRO, DRDO, Railways, BHEL,IOCL, Bharat Forge, Larsen and Toubro, Mahindra & Mahindra, etc.

COURSE OUTLINE :

In manufacturing, quality control is a process that ensures customers receive products free from defects and meet their requirements. Inspection and measurement is needed during production for quality control because of the inherent variability introduced by the machines, tools, raw materials, and human operators which causes variations in the different quality characteristics (length, diameter, thickness, tensile strength, surface finish etc.) of the product. Inspection and testing is very important in maintaining a certain quality level in the product during production. It helps to control the quality of products by fixing the sources of defects immediately after they are detected. Several non-destructive inspection methods also help to perform in-service inspection to avoid any catastrophic failure and predict the remaining life of the product.

ABOUT INSTRUCTOR :

Prof. Kaushik Pal is an Associate Professor in Department of Mechanical and Industrial Engineering, IIT Roorkee since 2012. He has obtained his Ph.D Degree (2009) from IIT, Kharagpur and then joined in Gyeongsang National University, South Korea for pursuing Post-Doc research. His fields of interests are surface modification of nano-materials and use of such materials in different electronic, mechanical and bio-medical applications.Currently, he is acting as reviewer of several internationally known journals and an active member of National Academy of Sciences, American Chemical Society (ACS), and Royal Society of Chemistry (RSC). Also, he is the recipient of Brain Korea (BK-21) fellowship award and DAAD fellowship award.

COURSE PLAN :

Week 1: Introduction, Fundamental Concept of Quality, Role of Inspection and Measurement for Quality Control in Manufacturing, Need of Inspection, Inspection types and Principles, Design for Inspection, Destructive Inspection, Testing of Composite Materials

Week 2: Non-destructive Inspection-I: Visual Inspection, Dye Penetrant Inspection, Magnetic Particle Inspection, Eddy Current Inspection, Ultrasonic Testing

Week 3: Non-destructive Inspection-II: Acoustic Emission Inspection, Radiography, Leak Testing, Thermographic Non-destructive Testing, Advanced Non-destructive Techniques, NDT Standards, Safety in NDT

Week 4: Engineering Metrology: Linear Measurement, Angular Measurement, Measurement of Surface Finish, Screw Thread Metrology, Gear Measurement, Miscellaneous Measurements

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(Recognized by UGC Under Sections 2(f) and 12(B) of UGC act 1956)
Ph: 08857-253233, Website: www.pragati.ac.in

Inspection and Quality Control in Manufacturing

COURSE OUTLINE

In manufacturing, quality control is a process that ensures customers receive products free from defects and meet their requirements. Inspection and measurement is needed during production for quality control because of the inherent variability introduced by the machines, tools, raw materials, and human operators which causes variations in the different quality characteristics (length, diameter, thickness, tensile strength, surface finish etc.) of the product. Inspection and testing is very important in maintaining a certain quality level in the product during production. It helps to control the quality of products by fixing the sources of defects immediately after they are detected. Several non-destructive inspection methods also help to perform in-service inspection to avoid any catastrophic failure and predict the remaining life of the product.

TOPICS COVERED

Week 1 : Introduction, Fundamental Concept of Quality, Role of Inspection and Measurement for Quality Control in Manufacturing, Need of Inspection, Inspection types and Principles, Design for Inspection, Destructive Inspection, Testing of Composite Materials

Week 2 : Non-destructive Inspection-I: Visual Inspection, Dye Penetrant Inspection, Magnetic Particle Inspection, Eddy Current Inspection, Ultrasonic Testing

Week 3 : Non-destructive Inspection-II: Acoustic Emission Inspection, Radiography, Leak Testing, Thermographic Non-destructive Testing, Advanced,Non-destructive Techniques, NDT Standards, Safety in NDT

Week 4 : Engineering Metrology: Linear Measurement, Angular Measurement, Measurement of Surface Finish, Screw Thread Metrology, Gear Measurement, Miscellaneous Measurements

NO.OF STUDENTS REGISTERED: 1

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	MUDUDUDDI YASWANTH ELISHA KUMAR	17A31A03N6

RESOURCE PERSON DETAILS

Dr. Kaushik Pal is an Associate Professor in Department of Mechanical and Industrial Engineering, IIT Roorkee since 2012. He has obtained his Ph.D Degree (2009) from IIT Kharagpur and then joined to Gyeongsang National University, South Korea for pursuing Post-Doc research.

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Roll No: NPTEL20ME27S22340040

To
MUDUDUDDI YASWANTH ELISHA KUMAR
1-1/A-10/1, MAHATMASTREET, BHANUGUDI
KAKINADA
EAST GODAVARI
ANDHRA PRADESH - 533003
PH. NO :9701708277

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

MUDUDUDDI YASWANTH ELISHA KUMAR

for successfully completing the course

Inspection and Quality Control in Manufacturing

with a consolidated score of **56** %

Online Assignments	18.92/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: **203**

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

Feb-Mar 2020
(4 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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Near Peddapuram

Swayam

Roll No: NPTEL20ME27S22340040

To validate and check scores: https://nptel.ac.in/noc

PRINCIPLES OF CASTING TECHNOLOGY

PROF. PRADEEP KUMAR JHA
Department of Mechanical & Industrial Engineering
IIT Roorkee

TYPE OF COURSE : Rerun I Core I UG/PG
COURSE DURATION : 8 weeks (18 Jan' 21 - 12 Mar' 21)
EXAM DATE : 21 Mar 2021

PRE-REQUISITES : NILL

INTENDED AUDIENCE : Any Interested Learners

INDUSTRIES APPLICABLE TO : Casting Industries like BHEL, Tata Steel, Jindal Steel, Foundry units of medium and large sizes

COURSE OUTLINE :

The course focuses on understanding the basics of science and technology of casting processes. Metal casting industries have evolved during the past hundred years because of advancements in technologies. The properties of the cast metals significantly depends upon the type of molding, melting, solidification and post treatment practices. This needs to be understood by the young students as well as practicing shop floor engineers so that products with superior qualities can be cast. The basic purpose of this course is to provide a sound understanding of concepts and principles of casting technology so as to enable them to be conversant with advances in these methods in the long run towards increasing the productivity of casting industries.

ABOUT INSTRUCTOR :

Prof. Jha is presently working as Associate Professor in the Department of Mechanical & Industrial Engineering at IIT Roorkee. He has been teaching the courses related to manufacturing technology and theory of production processes to undergraduate and postgraduate students for more than 12 years. He is actively involved in research work related to production processes, tundish steelmaking process, mold solidification in continuous casting etc.

COURSE PLAN :

Week 1: Introduction to Casting technology, Solidification analysis for metals and alloys

Week 2: Technology of patternmaking, study of molding sands and their testing methods

Week 3: Technology of mouldmaking and coremaking, Special sand moulding processes

Week 4: Principles of gating design for castings

Week 5: Principles of risering design for castings

Week 6: Special casting methods, Melting furnaces

Week 7: Melting and pouring practices for production of Cast Iron family, steel and non-ferrous metals and alloys

Week 8: Fettling and Heat treatment of castings, Casting defect and its diagnostic methods

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Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956)
Ph: 08852 - 252111, 31 Website: www.pragati.ac.in

Principles of Casting Technology

COURSE OUTLINE

The course focuses on understanding the basics of science and technology of casting processes. Metal casting industries have evolved during the past hundred years because of advancements in technologies. The properties of the cast metals significantly depends upon the type of molding, melting, solidification and post treatment practices. This needs to be understood by the young students as well as practicing shop floor engineers so that products with superior qualities can be cast. The basic purpose of this course is to provide a sound understanding of concepts and principles of casting technology so as to enable them to be conversant with advances in these methods in the long run towards increasing the productivity of casting industries.

TOPICS COVERED

Week 1: Introduction to Casting technology, Solidification analysis for metals and alloys
Week 2: Technology of patternmaking, study of molding sands and their testing methods
Week 3: Technology of mouldmaking and coremaking, Special sand moulding processes
Week 4: Principles of gating design for castings
Week 5: Principles of risering design for castings
Week 6: Special casting methods, Melting furnaces
Week 7: Melting and pouring practices for production of Cast Iron family, steel and non-ferrous metals and alloys
Week 8: Fettling and Heat treatment of castings, Casting defect and its diagnostic methods

NO.OF STUDENTS REGISTERED: 1

LIST OF STUDENTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	VADAPALLI PAVAN KUMAR	17A31A03G7

RESOURCE PERSON DETAILS

Dr Pradeep K. Jha is presently working as Associate Professor in the Department of Mechanical & Industrial Engineering at IIT Roorkee.

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Roll No: NPTEL20ME35S12340086

To
VADAPALLI PAVAN KUMAR
JUL-27
INDRAPALEM
EAST GODAVARI
ANDHRA PRADESH - 533006
PH. NO :9676773442

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

VADAPALLI PAVAN KUMAR

for successfully completing the course

Principles of Casting Technology

with a consolidated score of 60 %

Online Assignments	24.58/25	Proctored Exam	35.21/75

Total number of candidates certified in this course: 123

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

Jan-Mar 2020
(8 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

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ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2020-21

Developing Soft Skills and Personality

COURSE OUTLINE

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career.

TOPICS COVERED

Week 1: Introduction: A New Approach To Learning

Week 2: Conflict Resolution Skills: Seeking Win-Win Solution

Week 3: Habits: Guiding Principles

Week 4: Communication: Significance Of Listening

Week 5: Technology And Communication: Technological Personality

Week 6: Communication Skills: Effective Communication

Week 7: Nonverbal Communication: Introduction And Importance

Week 8: Presentation Skills: Overcoming Fear

NO. OF STUDENTS ATTENDED: 290

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	CHAPPIDI DIVYA DEVI SRI
2	GEDDAM MADHU SRI
3	GODITHI THANMAYI
4	GOLLAVILLI SUSRUTA
5	IMMANDI BHAVANA
6	AIKYA SRI JAJIMOGGALA
7	KADALI NAVYA SRI
8	KAKILETI MUKUNDA NAGA SAIPRIYA
9	KANITHI POOJA HARIKA
10	KORLA SUBHA
11	MANDALA MRUDULA
12	VINEETHA MATURU
13	MOHAMMAD RUBINA FATHIMA
14	NALLAMILLI BALA TRIPURA SUNDARI SREEJA
15	PINNINTI GEETHIKA
16	VAMARAJU SHREE DEEPTI
17	VANUM VASUKI PRIYA
18	VARASALA SUSMITHA RANI
19	VENTRAPRAGADA SRI SAI RAMYASRI AKANKSHA

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20	YALLA SAI VEERA VARALAKSHMI
21	ACHANTA BALA GOPALA KRISHNA
22	TIWARI AKSHAT
23	ANKANA SWAMY
24	CHAKKANI MOHANGEETH
25	CHAPPA ROHINI KUMAR
26	NEERAJ SWAMY DIGUMARTHI
27	DIVITI VENKATA ABHIRAM
28	EGALA KOTESH
29	INAVELLI RETWIK SATYA TEJA
30	KANDALA SURYATEJA MANIKANTA
31	KEERTHI JYOTHIKUMAR
32	KOLLAPUREDDY SAI KARTHIK
33	MATTAPALLI SAI ESWAR
34	MATTA UMESH CHANDRA NAIDU
35	MOHAMMAD ROSHAN
36	PATHAN SALAHUDDIN
37	TUMMALAPALLI SAI KISHORE
38	YADAVILLI VENKAT LAKSHMAN
39	YADAVILLI SAI RAM
40	SWETA A R A
41	ANGADA VENKATA SAI NANDINI
42	DALIPARTHI ANULEKHA
43	DANDAMUDI BHARATHIDEVI
44	GUDALA VEERA SAI UMA
45	KOSIREDDY SOWJANYA
46	MOTAMARRI SATYAPRIYA
47	PABOLU DEVI ANANTHA BHAGYA SRI
48	AMRUTHA PALAKURTHI
49	PATNAYAKUNI LIKHITA
50	PEDAPUDI ANUPAMA
51	PEDDIREDDI SUSHMIKA
52	BHUMIKA PENNADA
53	PUSHPA RANI
54	RAJANA SRI DURGA GANI LAKSHMI
55	ROUTHU APPAYYMMA
56	SANDHYALA VENKATA SAI HARSHINI
57	SATHI BHANU SHIRISHA
58	TALISETTI GAYATHRI
59	TEEPARTHI YAMINISREE
60	BAHADURSHA SATYANARAYANA
61	CHIYYADARA SHINU
62	K SAI SANDEEP
63	NAGASAI KEERTHI
64	KOMARADA SAI DURGA PRASAD
65	KORUKONDA GOWTHAM SRI SURYA SAI
66	MADHAVREDDY BALA VENKATA SUMANTH
67	MAMIDI LOVA RAJU
68	MEESALA SATYA SHANMUKHESWAR
69	MONDRATI VENKAT
70	UTTHAM
71	PUSARLA BHASKARA SATYA SUJEETH
72	PANDU GAUTHAM
73	PANTHADI UDAY BHASKAR
74	PANTLA SAI VEERA VENKATA SATYANARAYANA
75	PATRANA SAI RAM
76	PEMMARAJU DURGA SUHRUTH
77	PENTAPALLI MANIKANTA SATISH
78	VENKATA SAIKISHORE PITHANI
79	POLUMURI HARI KRISHNA KISHORE
80	SAMMINGI BHAVANI PRASAD
81	SANKISA VVTS CHANDRA SEKHAR
82	SURAMPUDI ANANTH

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84	VEMANA SAI RATNA TILAK
85	VOBHILINENI SUDHEER CHOWDARY
86	ALLAKA LEELA SATYA LAKSHMI
87	BHERI SRI SAMHITHA
88	BORRA LEELA KRISHNA PRIYA
89	DEVARASETTI S V SAI TANMAYI
90	G SAI SANJANA
91	GUDIVADA SAI HARITHA
92	KONA SWAROOPA
93	KONDEPUDI VIJAYA DURGA
94	LAVANYA MADAMBOINA
95	NEMALA RAMYA
96	PAGADALA RAMALAKSHMI
97	PUTTA LAKSHMI SAI ANUHYA
98	RAMAVARAPU DEEPIKA RAMYA
99	SAMAYAMANTHULA SAILAKSHMI
100	SIRIPURAPU PUSHPAKUMARI
101	SUKUMARA HARISHA
102	TEKI NAVYA SRI
103	TEMMANABOYINA SAHITHYA
104	TIPRARTI SAI PRANUTHI
105	VELAGA INDU KESAVI
106	VIYYURI SRI HARSHINI
107	VOLETI SUGUNA
108	PRADEEP ADDURI
109	BALUSU AJAY KUMAR
110	B BALA SIDDARTHA
111	CHALUMURI CHETAN
112	CHEEPURAPALLI PAVAN
113	GANDI VEERA VENKATA SATYA AAKARSH
114	GODAVARI SRINIVASU
115	GORINTA KOUSHIK VARMA
116	JALUMURI ANIRUDH GURU SHASANK
117	KANTUBHUKTHA S V V CHANDRASEKHAR NAIDU
118	KARRI SIVA GOWTHAM VARMA
119	KOPPADI SATYA SURYA
120	KUDIPUDI SURENDRA
121	ESWAR SRIRAM MALLIPUDI
122	MANEPALLI HANUMA HARSHIT
123	M SUDHAKAR CHOWDARY
124	PGS ANJANANANDAN
125	PAMU AVINASH PRASAD
126	PITTA ASHOK KUMAR
127	SAYYAD KHAJA IMRAN
128	SINGANAPALLI BHARATH
129	VANAPALLI SIVA RAMA KRISHNA SWAMY
130	ADAPA SURYA NAGESWARI NIHARIKA
131	APPIKONDA MANISHA
132	B AJITHA SRI PURNAKRUTHI
133	RAMYA BOJJA
134	GUMMULURI VENKATA SAI SINDHUJA
135	KAMMARA MOUNIKA
136	K SHARMILAKRISHNASAI
137	KAREDLA MANILA
138	K LAKSHMINAVYA
139	MOLETI SAILAJA
140	NUNNA DHRUVITHA
141	PEDDINTI VENKATA SATYA DEEPYA
142	PEDIREDLA LAKSHMI JHANSI
143	PULI LAKSHMI MOUNIKA
144	SAMPARA LAKSHMI MANASA
145	YAMUNASRI SANGANA

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146	YAMINI SUNANDA KASINA
147	YANDRAPU KAVYA SRI RAMYA
148	ASAITHA
149	RAJA ROHIT VARMA ADDURI
150	AMMIKONDA MAHESH BABU
151	BONDADA SHYAM
152	BONTHU SUNIL RAJKUMAR
153	CHALUMURI B S S G VARDHAN
154	DEVADI BHAGAVAN
155	DEVINI VENKATA RAMA SRI CHARAN
156	GOLLAVELLI SURI VEERA PRAKASH RAO
157	JAYANTHI NJETI
158	JETTIGA SRI HARSHA
159	KODAMATLA ROOPANTH
160	BHARGAVPAVAN KONA
161	NAGA MAHESH KANNA
162	KOVVURI RUPESWARAREDDY
163	MOHAMMED SAIF ALIKHAN
164	MYLAVARAPU TLA SAI NANDA VIHARI
165	PAGADALA ESWAR
166	PANDRANKI DURGA PAVAN VINEESH
167	PANINGIPALLI VISHNU VAMSEE
168	PEKETI VENKATA MANIKANTA SWAMY
169	RANGISETTY VARUN
170	SATHI RAMA KANTH REDDY
171	TATAVARTHI RAM VINAY
172	TEKUMUDI SRI SAI KIRAN
173	THOTA SASI KANTH
174	ALAMURI VEERA SRI LAKSHMI
175	SITASRIRATNAM BANDARU
176	CHENNA LAKSHMI PRASANNA
177	DEEPIKA KANCHUMARTY
178	GEDELA PRASANNA
179	GEETHANJALI CHITRA
180	KONDEPUDI SATYA SUSMITHA
181	LUTUKURTHI BHAVYA CHANDU SRI
182	MEDASANI SHANMUKHESWARI
183	MOTUKURI SUJITHA
184	PASUPULETI TEJASWI
185	PRATHIPATI SATYA SYAMALA
186	PRATHIPATI VYJAYANTHI
187	ROHITHA RAYUDU
188	SAI DEEPIKA MADDIPUDI
189	THOTA BHAVANA
190	VEDULA SRIVIDYA
191	YAMINI SRIYA
192	ALLU G S S D V RAMAKRISHNA
193	ANGARA DHANUSH GOUD
194	CHAGANTI YESU BABU
195	CHILUKURI VAMSI
196	NARASIMHA
197	G N S B CHAITANYA
198	GANISETTI MANJUNATH
199	GUNTA SRI SATYA SAI MANIKANTA
200	BHUVANESH KAKINADA
201	KALA DURGA SRIRAM
202	L S S GANESH
203	NANDURI SAISURYA
204	NAPA KUMAR MANIKANTA
205	PENKI VEERA VENKATA GANESH
206	PILLI NAGA SRI SIVA ADITYA
207	PUTHUTA SAIKIRAN
208	PARDHASARADHIGUPTA PULLIPUDI

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209	PYLA SIVA RAMA GANESH
210	SADARAM SAINAVEEN
211	SANDAKA PRASHANTH SWAROOP
212	SRIHARSHA SURABATHULA
213	SAI HARSHA TAMADA
214	VARUN KRISHNA
215	DINESH VOLETI
216	P.HARIKA
217	PEETHANI LIKITHA
218	PULAGAMSAIDEEPIKA
219	PUVVALA SAI AMULYA
220	KIRAN PRAMODA
221	SANGANI BHASKARA PADMA
222	SHAIK.RUKSHANA
223	TAVVA NAGA SRUJANA
224	BINDU RAJYA LAKSHMI
225	V SAISREE
226	VASANTALA DURGA BHAVANI
227	VERRIGHUKKA KUSUMA MEENAKSHI VIJAYALAKSHMI
228	VIPPARTHI.LAKSHMI NANDHINI
229	YALLA SRI SATYA
230	CHAMEERU DEEPIKA
231	ADABALA LAKSHMI PRASANNA
232	ALLU SUMA SAI VENKATA RATNAM
233	A SRI SOWMYA TEJASWINI
234	BALA TRIPURA SUNDARI KOTTU
235	BONDA MANI HARIKA
236	CHINTA.RESHMA
237	DASARI PRIYANKA
238	G.PUSHPANJALI
239	G.B.L.SHIVANI
240	G.MAHA LAKSHMI
241	PRASANTHI KAMADI
242	KANCHERLA PRAVALLIKA
243	KANDREGULA DEVI SRAVANI
244	K.ALEKHYA MADHURI
245	KOLLI VEERA DURGA BHAVANI
246	KOPPISETTI DURGA TEJASWINI
247	K.SRI SARANYA
248	MEESALA TEJASWI
249	NANDIKOLLA DEEPIKA MANI
250	PAKALAPATI V SATHYA SAHITHI RAJ
251	PALLAVI MONDRETY
252	PERUMALLA. ANITHA
253	PONNAGANTI MEGHANA MAHESWARI
254	PRATYUSHA MUDUNURI
255	RALLAPALLI B.V.N.LAXMI VYDEHI
256	SHAIK SONIA NAZNEEN
257	NANDHINI TALARI
258	VEERAMREDDY SUVARNA JYOTHI
259	RAMYA VINNAPALA
260	VUDATHU VENKATA NAGA ANJANA PRIYANKA
261	VURUM MANI KEERTHIKA
262	SATYAMSETTI V V DURGA SIVA SWETHA
263	DUVVURI VENKATA SAROJA
264	KAMMARA.JAYASRI

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265	KATE SUSHMA
266	SATYAVARAPU VEERA VENKATA DURGA MALLESWARI
267	CHADA NAGA SURYA SAI SUSWARA
268	D DEVI KALYANI
269	GOLI MOUNIKA
270	GUDDATI RAGHAVENDRA SIRI CHANDANA
271	IMANDI SOWMYA LIKHITHA
272	INUMARTHI NAVYA REETHIKA
273	KAIKALA TEJASWINI
274	K.A.S.S.MOUNIKA
275	KOVVURI DIVYA
276	KOYYA JANANI LAVANYA DEVI
277	KURUMALLA ANUSHA NAGA DURGA DEVI
278	MOLLETI PAVANI
279	VINEELA NAGABATHULA
280	N.M.R.ALEKHYA
281	PERURI ANJANI RATNA
282	RAYUDU.SANDHYA RANI
283	SHAIK.BASHEERAMMA
284	SRIADULA SARASWATHI
285	T.V.V.RATNA
286	VANDAVASU POOJA
287	VASAMSETTI JYOTHI LALITHAMBICA
288	YIMMIDISETTY.SRI HARIKA LALITHA
289	BALLA. KALPANA DEVI
290	B.BHUVANESWARI

LIST OF STUDENTS COMPLETED: 215

S.NO	STUDENT NAME
1	CHAPPIDI DIVYA DEVI SRI
2	GEDDAM MADHU SRI
3	GODITHI THANMAYI
4	GOLLAVILLI SUSRUTA
5	IMMANDI BHAVANA
6	AIKYA SRI JAJIMOGGALA
7	KADALI NAVYA SRI
8	KAKILETI MUKUNDA NAGA SAIPRIYA
9	KANITHI POOJA HARIKA
10	KORLA SUBHA
11	MANDALA MRUDULA
12	VINEETHA MATURU
13	MOHAMMAD RUBINA FATHIMA
14	NALLAMILLI BALA TRIPURA SUNDARI SREEJA
15	PINNINTI GEETHIKA
16	VAMARAJU SHREE DEEPTI
17	VANUM VASUKI PRIYA
18	VARASALA SUSMITHA RANI
19	VENTRAPRAGADA SRI SAI RAMYASRI AKANKSHA
20	YALLA SAI VEERA VARALAKSHMI
21	ACHANTA BALA GOPALA KRISHNA
22	TIWARI AKSHAT
23	ANKANA SWAMY
24	CHAKKANI MOHANGEETH
25	CHAPPA ROHINI KUMAR
26	NEERAJ SWAMY DIGUMARTHI
27	DIVITI VENKATA ABHIRAM

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28	EGALA KOTESH
29	INAVELLI RETWIK SATYA TEJA
30	KANDALA SURYATEJA MANIKANTA
31	KEERTHI JYOTHIKUMAR
32	KOLLAPUREDDY SAI KARTHIK
33	MATTAPALLI SAI ESWAR
34	MATTA UMESH CHANDRA NAIDU
35	MOHAMMAD ROSHAN
36	PATHAN SALAHUDDIN
37	TUMMALAPALLI SAI KISHORE
38	YADAVILLI VENKAT LAKSHMAN
39	YADAVILLI SAI RAM
40	SWETA A R A
41	ANGADA VENKATA SAI NANDINI
42	DALIPARTHI ANULEKHA
43	DANDAMUDI BHARATHIDEVI
44	GUDALA VEERA SAI UMA
45	KOSIREDDY SOWJANYA
46	MOTAMARRI SATYAPRIYA
47	PABOLU DEVI ANANTHA BHAGYA SRI
48	AMRUTHA PALAKURTHI
49	PATNAYAKUNI LIKHITA
50	PEDAPUDI ANUPAMA
51	PEDDIREDDI SUSHMIKA
52	BHUMIKA PENNADA
53	PUSHPA RANI
54	RAJANA SRI DURGA GANI LAKSHMI
55	ROUTHU APPAYYMMA
56	SANDHYALA VENKATA SAI HARSHINI
57	SATHI BHANU SHIRISHA
58	TALISETTI GAYATHRI
59	TEEPARTHI YAMINISREE
60	BAHADURSHA SATYANARAYANA
61	CHIYYADARA SHINU
62	K SAI SANDEEP
63	NAGASAI KEERTHI
64	KOMARADA SAI DURGA PRASAD
65	KORUKONDA GOWTHAM SRI SURYA SAI
66	MADHAVREDDY BALA VENKATA SUMANTH
67	MAMIDI LOVA RAJU
68	MEESALA SATYA SHANMUKHESWAR
69	MONDRATI VENKAT
70	UTTHAM
71	PUSARLA BHASKARA SATYA SUJEETH
72	PANDU GAUTHAM
73	PANTHADI UDAY BHASKAR
74	PANTLA SAI VEERA VENKATA SATYANARAYANA
75	PATRANA SAI RAM
76	PEMMARAJU DURGA SUHRUTH
77	PENTAPALLI MANIKANTA SATISH
78	VENKATA SAIKISHORE PITHANI
79	POLUMURI HARI KRISHNA KISHORE
80	SAMMINGI BHAVANI PRASAD
81	SANKISA VVTS CHANDRA SEKHAR
82	SURAMPUDI ANANTH
83	TANGELLA LAKSHMI VEERESH
84	VEMANA SAI RATNA TILAK
85	VOBHILINENI SUDHEER CHOWDARY
86	ALLAKA LEELA SATYA LAKSHMI
87	BHERI SRI SAMHITHA
88	BORRA LEELA KRISHNA PRIYA
89	DEVARASETTI S V SAI TANMAYI
90	G SAI SANJANA

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91	GUDIVADA SAI HARITHA
92	KONA SWAROOPA
93	KONDEPUDI VIJAYA DURGA
94	LAVANYA MADAMBOINA
95	NEMALA RAMYA
96	PAGADALA RAMALAKSHMI
97	PUTTA LAKSHMI SAI ANUHYA
98	RAMAVARAPU DEEPIKA RAMYA
99	SAMAYAMANTHULA SAILAKSHMI
100	SIRIPURAPU PUSHPAKUMARI
101	SUKUMARA HARISHA
102	TEKI NAVYA SRI
103	TEMMANABOYINA SAHITHYA
104	TIPRARTI SAI PRANUTHI
105	VELAGA INDU KESAVI
106	VIYYURI SRI HARSHINI
107	VOLETI SUGUNA
108	PRADEEP ADDURI
109	BALUSU AJAY KUMAR
110	B BALA SIDDARTHA
111	CHALUMURI CHETAN
112	CHEEPURAPALLI PAVAN
113	GANDI VEERA VENKATA SATYA AAKARSH
114	GODAVARI SRINIVASU
115	GORINTA KOUSHIK VARMA
116	JALUMURI ANIRUDH GURU SHASANK
117	KANTUBHUKTHA S V V CHANDRASEKHAR NAIDU
118	KARRI SIVA GOWTHAM VARMA
119	KOPPADI SATYA SURYA
120	KUDIPUDI SURENDRA
121	ESWAR SRIRAM MALLIPUDI
122	MANEPALLI HANUMA HARSHIT
123	M SUDHAKAR CHOWDARY
124	PGS ANJANANANDAN
125	PAMU AVINASH PRASAD
126	PITTA ASHOK KUMAR
127	SAYYAD KHAJA IMRAN
128	SINGANAPALLI BHARATH
129	VANAPALLI SIVA RAMA KRISHNA SWAMY
130	ADAPA SURYA NAGESWARI NIHARIKA
131	APPIKONDA MANISHA
132	B AJITHA SRI PURNAKRUTHI
133	RAMYA BOJJA
134	GUMMULURI VENKATA SAI SINDHUJA
135	KAMMARA MOUNIKA
136	K SHARMILAKRISHNASAI
137	KAREDLA MANILA
138	K LAKSHMINAVYA
139	MOLETI SAILAJA
140	NUNNA DHRUVITHA
141	PEDDINTI VENKATA SATYA DEEPYA
142	PEDIREDLA LAKSHMI JHANSI
143	PULI LAKSHMI MOUNIKA
144	SAMPARA LAKSHMI MANASA
145	YAMUNASRI SANGANA
146	YAMINI SUNANDA KASINA
147	YANDRAPU KAVYA SRI RAMYA
148	ASAITEJA
149	RAJA ROHIT VARMA ADDURI
150	APPIKONDA MAHESH BABU
151	BONDADA SHYAM
152	BONTHU SUNIL RAJ KUMAR
153	CHALUMURI B S S G VARDHAN

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154	DEVADI BHAGAVAN
155	DEVINI VENKATA RAMA SRI CHARAN
156	GOLLAVELLI SURI VEERA PRAKASH RAO
157	JAYANTH INJETI
158	JITTIGA SRI HARSHA
159	KODAMATLA ROOPANTH
160	BHARGAVPAVAN KONA
161	NAGA MAHESH KANNA
162	KOVVURI RUPESWARAREDDY
163	MOHAMMED SAIF ALIKHAN
164	MYLAVARABOTLA SAI NANDA VIHARI
165	PAGADALA ESWAR
166	PANDRANKI DURGA PAVAN VINEESH
167	PANINGIPALLI VISHNU VAMSEE
168	PEKETI VENKATA MANIKANTA SWAMY
169	RANGISETTY VARUN
170	SATHI RAMA KANTH REDDY
171	TATAVARTHI RAM VINAY
172	TEKUMUDI SRI SAI KIRAN
173	THOTA SASI KANTH
174	ALAMURI VEERA SIRI LAKSHMI
175	SITASRIRATNAM BANDARU
176	CHENNA LAKSHMI PRASANNA
177	DEEPIKA KANCHUMARTY
178	GEDELA PRASANNA
179	GEETHANJALI CHITRA
180	KONDEPUDI SATYA SUSMITHA
181	LUTUKURTHI BHAVYA CHANDU SRI
182	MEDASANI SHANMUKHESWARI
183	MOTUKURI SUJITHA
184	PASUPULETI TEJASWI
185	PRATHIPATI SATYA SYAMALA
186	PRATHIPATI VYJAYANTHI
187	ROHITHA RAYUDU
188	SAI DEEPIKA MADDIPUDI
189	THOTA BHAVANA
190	VEDULA SRIVIDYA
191	YAMINI SRIYA
192	ALLU G S S D V RAMAKRISHNA
193	ANGARA DHANUSH GOUD
194	CHAGANTI YESU BABU
195	CHILUKURI VAMSI
196	NARASIMHA
197	G N S B CHAITANYA
198	GANISETTI MANJUNATH
199	GONELA SRI SATYA SAI MANIKANTA
200	BHUVANESH KAKINADA
201	KALA DURGA SRIRAM
202	L S S GANESH
203	NANDURI SAISURYA
204	NARLA KUMAR MANIKANTA
205	PENKE VEERA VENKATA GANESH
206	PILLI NAGA SRI SIVA ADITYA
207	POTHULA SAIKIRAN
208	PARDHASARADHIGUPTA PULLIPUDI
209	PYLA SIVA RAMA GANESH
210	SADARAM SAINAVEEN
211	SANDAKA PRASHANTH SWAROOP
212	SRIHARSHA SURABATHULA
213	SAI HARSHA TAMADA
214	VARUN KRISHNA
215	DINESH VOLETI

Coordinator

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DEVELOPING SOFT SKILLS AND PERSONALITY

PROF. T. RAVICHANDRAN
Department of Humanities and Social Sciences
IIT Kanpur

INTENDED AUDIENCE : Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRIES APPLICABLE TO : All industries/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

COURSE OUTLINE :

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfillment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

ABOUT INSTRUCTOR :

Prof. T. RAVICHANDRAN is presently a Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India. He has written about fifty research articles/book chapters, supervised six doctoral theses, edited a special issue on Cyberpunk Literature for the Creative Forum Journal, and published a book on Postmodern Identity. He is a recipient of the Fulbright-Nehru Academic and Professional Excellence Fellowship (2014-15) for his research/ teaching at Duke University, North Carolina, USA. He is honored with Champa Devi Gangwal Chair Professorship at IIT Kanpur. In his distinguished twenty-five years of teaching career, he has taught various courses in English Language and Literature. His NPTEL Video and Web courses on Communication Skills are well-acclaimed nationally and internationally. His NPTEL MOOC on Developing Soft Skills and Personality became hugely popular and well-received by about fifteen thousand participants from India and abroad

COURSE PLAN:

Week 1: Lecture 1: Introduction: A New Approach To Learning
Lecture 2: Planning And Goal-Setting
Lecture 3: Human Perceptions: Understanding People
Lecture 4: Types Of Soft Skills: Self-Management Skills
Lecture 5: Aiming For Excellence: Developing Potential And Self-Actualisation
Lecture 6: Need Achievement And Spiritual Intelligence

Week 2: Lecture 7: Conflict Resolution Skills: Seeking Win-Win Solution
Lecture 8: Inter-Personal Conflicts: Two Examples
Lecture 9: Inter-Personal Conflicts: Two Solutions
Lecture 10: Types Of Conflicts: Becoming A Conflict Resolution Expert
Lecture 11: Types Of Stress: Self-Awareness About Stress
Lecture 12: Regulating Stress: Making The Best Out Of Stress

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Week 3: Lecture 13: Habits: Guiding Principles
Lecture 14: Habits: Identifying Good And Bad Habits
Lecture 15: Habits: Habit Cycle
Lecture 16: Breaking Bad Habits
Lecture 17: Using The Zeigarnik Effect For Productivity And Personal Growth
Lecture 18: Forming Habits Of Success

Week 4: Lecture 19: Communication: Significance Of Listening
Lecture 20: Communication: Active Listening
Lecture 21: Communication: Barriers To Active Listening
Lecture 22: Telephone Communication: Basic Telephone Skills
Lecture 23: Telephone Communication: Advanced Telephone Skills
Lecture 24: Telephone Communication: Essential Telephone Skills

Week 5: Lecture 25: Technology And Communication: Technological Personality
Lecture 26: Technology And Communication: Mobile Personality?
Lecture 27: Topic: Technology And Communication: E-Mail Principles
Lecture 28: Technology And Communication: How Not To Send E-Mails!
Lecture 29: Technology And Communication: Netiquette
Lecture 30: Technology And Communication: E-Mail Etiquette

Week 6: Lecture 31: Communication Skills: Effective Communication
Lecture 32: Barriers To Communication: Arising Out Of Sender/Receiver's Personality
Lecture 33: Barriers To Communication: Interpersonal Transactions
Lecture 34: Barriers To Communication: Miscommunication
Lecture 35: Non-Verbal Communication: Pre-Thinking Assessment-1
Lecture 36: Non-Verbal Communication: Pre-Thinking Assessment-2

Week 7: Lecture 37: Nonverbal Communication: Introduction And Importance
Lecture 38: Non-Verbal Communication: Issues And Types
Lecture 39: Non-Verbal Communication: Basics And Universals
Lecture 40: Non-Verbal Communication: Interpreting Non-Verbal Cues
Lecture 41: Body Language: For Interviews
Lecture 42: Body Language: For Group Discussions

Week 8: Lecture 43: Presentation Skills: Overcoming Fear
Lecture 44: Presentation Skills: Becoming A Professional
Lecture 45: Presentation Skills: The Role Of Body Language
Lecture 46: Presentation Skills: Using Visuals
Lecture 47: Reading Skills: Effective Reading
Lecture 48: Human Relations: Developing Trust And Integrity

20-21

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Roll No: NPTEL20HS43S82340020

To
KARRI SIVA GOWTHAM VARMA
C/465,3RD BN APSP QUATERS
RAMANAYYAPETA
KAKINADA
ANDHRA PRADESH - 533005
PH. NO :7780676008

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KARRI SIVA GOWTHAM VARMA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **61** %

Online Assignments	18.92/25	Proctored Exam	42.32/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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1-378, ADB ROAD, SURAMPALEM

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL20HS43S82340020

To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20HS43S82340206

To
KONDEPUDI VIJAYA DURGA
D.NO:19-14-9/1 , VIDYUT NAGAR,NEAR VINAYAKA TEMPLE,RATNAMPETA,RAMACHANDRA PURAM,EAST GODAVARI DISTRICT
D.NO:19-14-9/1/2 ,VIDYUT NAGAR,NEAR VINAYAKA TEMPLE,RATNAMPETA,RAMACHANDRA PURAM,EAST GODAVARI DISTRICT
RAMACHANDRAPURAM
ANDHRA PRADESH - 533255
PH. NO :7989981556

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

KONDEPUDI VIJAYA DURGA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **66** %

Online Assignments	23.29/25	Proctored Exam	42.39/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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Roll No: NPTEL20HS43S82340026

To
GANDI VEERA VENKATA SATYA AAKARSH
D. NO: 41-7-6
MUNJULURI VARI STREET
KAKINADA
ANDHRA PRADESH - 533001
PH. NO :9398110191

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

GANDI VEERA VENKATA SATYA AAKARSH

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **71** %

Online Assignments	23.79/25	Proctored Exam	47.45/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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Roll No: NPTEL20CS70S32170013

To
PUVVADA VENKATA SAI ABHIRAM
D.NO.:36-13-13,KALIMIREDDY VARI STREET
INNESPETA,RAJAHMUNDRY
RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO :6309088956

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

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This certificate is awarded to

PUVVADA VENKATA SAI ABHIRAM

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **65** %

Online Assignments	16.63/25	Programming Exam	25/25	Proctored Exam	23.75/50

Total number of candidates certified in this course: **1579**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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E.G.Dt. (AP)-533 43

Indian Institute of Technology Madras

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Roll No: NPTEL20HS43S82170092

To
DIVITI VENKATA ABHIRAM
116-4-59,NEAR Z.P.HIGHSCHOOL
GADALA, KORUKONDA MANDAL
RAJAHMUNDRY
ANDHRAPRADESH - 533102
PH. NO :8331810306

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

DIVITI VENKATA ABHIRAM

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **60** %

Online Assignments	23.71/25	Proctored Exam	36.07/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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Near Peddapuram, E.G.Dt. (AP)-533 437

Indian Institute of Technology Kanpur

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Roll No: NPTEL20HS43S82170092

To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20HS43S82170094

To
ACHANTA BALA GOPALA KRISHNA
15-9-73;BACKSIDE INDOOR STADIUM,
SATYAVATI NAGAR, KOVVUR,WEST
GODAVARI,A.P
15-9-73;BACKSIDE INDOOR STADIUM,
SATYAVATI NAGAR, KOVVUR,WEST GODAVARI
KOVVUR
ANDHRAPRADESH - 534350
PH. NO :9908586800

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ACHANTA BALA GOPALA KRISHNA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **67** %

Online Assignments	22.50/25	Proctored Exam	44.26/75

Total number of candidates certified in this course: **8393**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA & Accredited by NAAC with 'A' Grade)
Recognized by UGC under sections 2(f) & 12(b) of the UGC Act ,1956)
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2020-21

An Introduction to Coding Theory

COURSE OUTLINE

Error control coding is an indispensible part of any digital communication system. In this introductory course, we will discuss theory of linear block codes and convolutional codes, their encoding and decoding techniques as well as their applications in real world scenarios. Starting from simple repetition codes, we will discuss among other codes: Hamming codes, Reed Muller codes, low density parity check codes, and turbo codes. We will also study how from simple codes by concatenation we can build more powerful error correcting codes.

TOPICS COVERED

Week 1: Introduction to error control coding

Week 2: Decoding of linear block codes

Week 3: Some simple linear block codes: Repetition codes, Single parity check codes

Week 4: Introduction to convolutional codes-I: Encoding, state diagram, trellis diagram

Week 5: Decoding of convolutional codes-II: BCJR algorithm

Week 6: Low density parity check codes

Week 7- Turbo codes

Week 8: Distance properties of turbo codes

NO. OF STUDENTS ATTENDED: 16

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	BODDU RAJASRI
2	CHUNDURI SRI ANUPAMA
3	BODDU HARSHA SRIKANTH
4	KORIPURI ANIL KUMAR
5	VINEELA REDDY INDANA
6	DURGA NAGA VENKATA SATYA SRI SAHITHI
7	P V S S SUREKHA
8	YANAMANDRA ISWARYA LAKSHMI LAVANYA
9	ANUSURI KARTHIK SRINIVAS
10	CHOLLANGI V S V SAI MURALI KRISHNA
11	MARUBOINA VEERA SWAMY
12	MULLU LOKESH SAI SURYA VARA PRASAD
13	P RAJA REDDY
14	PAPPU BHANU SAI SATYA PRAKASH

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Near Peddapuram, E.G.Dt. (AP)-533

15	S JAYA KUMAR
16	SAI SATYA AMMULA

LIST OF STUDENTS COMPLETED: 5

S.NO	STUDENT NAME
1	BODDU RAJASRI
2	CHUNDURI SRI ANUPAMA
3	BODDU HARSHA SRIKANTH
4	KORIPURI ANIL KUMAR
5	VINEELA REDDY INDANA

Coordinator

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

AN INTRODUCTION TO CODING THEORY

PROF. ADRISH BANERJEE

Department of Electrical Engineering
IIT Kanpur

PRE-REQUISITES : An exposure to linear algebra and probability theory as well as a course in digital communications

INTENDED AUDIENCE : 3rd/4th year UG students, PG students & faculty in electronics and communications engineering

INDUSTRY SUPPORT : Telecommunication Companies

COURSE OUTLINE :

Error control coding is an indispensible part of any digital communication system. In this introductory course, we will discuss theory of linear block codes and convolutional codes, their encoding and decoding techniques as well as their applications in real world scenarios. Starting from simple repetition codes, we will discuss among other codes: Hamming codes, Reed Muller codes, low density parity check codes, and turbo codes. We will also study how from simple codes by concatenation we can build more powerful error correcting codes.

ABOUT INSTRUCTOR :

Prof. Adrish Banerjee received his Bachelors degree from Indian Institute of Technology, Kharagpur and Masters and Ph.D. degree from University of Notre Dame, Indiana, USA. He is currently the Next Generation Broadcasting Chair Professor in the Department of Electrical Engineering at Indian Institute of Technology, Kanpur. He is a recipient of Microsoft Research India young faculty award, Institute of Engineers India young engineer award, and IETE Prof. K. Sreenivasan memorial award. His research interests are in the physical layer aspects of wireless communications, particularly green communications, and error control coding.

COURSE PLAN :

Week 1-
Lecture 1: Introduction to error control coding
Lecture 2: Introduction to linear block codes, generator matrix and parity check matrix
Lecture 3: Properties of linear block codes: Syndrome, error detection

Week 2-
Lecture 4: Decoding of linear block codes
Lecture 5: Distance properties of linear block codes

Week 3-
Lecture 6: Some simple linear block codes: Repetition codes, Single parity check codes, Hamming codes, Reed Muller codes
Lecture 7: Bounds on size of codes: Hamming bound, Singleton bound, Plotkin bound, Gilbert-Varshamov bound

Week 4-
Lecture 8: Introduction to convolutional codes-I: Encoding, state diagram, trellis diagram
Lecture 9: Introduction to convolutional codes-II: Classification, realization, distance properties
Lecture 10: Decoding of convolutional codes-I: Viterbi algorithm

Week 5-
Lecture 11: Decoding of convolutional codes-II: BCJR algorithm
Lecture 12: Performance bounds for convolutional codes

Week 6-
Lecture 13: Low density parity check codes
Lecture 14: Decoding of low density parity check codes: Belief propagation algorithm on BSC and AWGN channels

Week 7-
Lecture 15: Turbo codes
Lecture 16: Turbo decoding

Week 8-
Lecture 17: Distance properties of turbo codes
Lecture 18: Convergence of turbo codes
Lecture 19: Automatic repeat request schemes
Lecture 20: Applications of linear codes

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Roll No: NPTEL20EE94S52340010

To
BODDU HARSHA SRIKANTH
D.NO :46-2-6,OLD HOSPITAL STREET,JAGANNAICKPUR
KAKINADA
ANDHRA PRADESH - 533002
PH. NO :7981439866

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

BODDU HARSHA SRIKANTH

for successfully completing the course

An Introduction to Coding Theory

with a consolidated score of **47** %

Online Assignments	16.67/25	Proctored Exam	30/75

Total number of candidates certified in this course: **56**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020

(8 PRINCIPAL)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20EE94S52170009

To
CHUNDURI SRI ANUPAMA
9-3-4/1,CHANDASATRAM STREET
ANDHRA PRADESH - 533101
PH. NO :8367631972

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

CHUNDURI SRI ANUPAMA

for successfully completing the course

An Introduction to Coding Theory

with a consolidated score of **53** %

Online Assignments	20.00/25	Proctored Exam	33/75

Total number of candidates certified in this course: **56**

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt.

swayam

PRAGATI ENGINEERING COLLEGE

1-378, ADB Road, Surampalem-533437

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Recognized by UGC under sections 2(f) & 12(b) of the UGC Act ,1956)

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2020-21

Digital Circuits

COURSE OUTLINE

Digital circuits are part of any electronic design today. This also happens to be one of the core subjects for the undergraduate students in Electronics, Electrical and Computer Engineering. It forms the basis of many of the next level courses. The proposed course on digital circuits will cover all the fundamental concepts in digital design. It will primarily focus on the prescribed GATE syllabus for Electronics and Communication Engineering (ECE) specialization.

TOPICS COVERED

Week 1 : Introduction, Number System
Week 2 : Boolean Algebra
Week 3 : Combinational function minimization – K Map, Boolean identities
Week 4 : Logic Gates
Week 5 : Arithmetic circuits, Code converters
Week 6 : Multiplexers, Decoders, PLA
Week 7 : Sequential Circuits – Latches and Flip-flops
Week 8 : Counters, Shift Registers, Finite State Machines
Week 9 : Data Converters – Sample and hold circuits, ADCs, DACs
Week 10 : Semiconductor Memories – ROM, SRAM, DRAM
Week 11 : Microprocessor 8085 – Part I
Week 12 : Microprocessor 8085 – Part II

NO. OF STUDENTS ATTENDED: 6

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	PAGADALA ESWAR
2	A G SRAVANTHI
3	ASHA CHANDINI BADAM
4	CH NIRCHITHA CHOWDARY
5	CHEBOLU SAILAJA
6	VISALA CHIRRAVURI

LIST OF STUDENTS COMPLETED: 1

S.NO	STUDENT NAME
1	PAGADALA ESWAR

Coordinator

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

DIGITAL CIRCUITS

PROF. SANTANU CHATTOPADHYAY
Department of Electrical Engineering
IIT Kharagpur

INTENDED AUDIENCE : All Engineering Student/Faculty
PRE-REQUISITES : Basic Electronics
INDUSTRIES APPLICABLE TO : Companies involved in development digital products

COURSE OUTLINE :

Digital circuits are part of any electronic design today. This also happens to be one of the core subjects for the undergraduate students in Electronics, Electrical and Computer Engineering. It forms the basis of many of the next level courses. The proposed course on digital circuits will cover all the fundamental concepts in digital design. It will primarily focus on the prescribed GATE syllabus for Electronics and Communication Engineering (ECE) specialization. The course will start with the representations of numbers – different number systems and conversion between them, representation of integer and real numbers etc. This will be followed by combinational and sequential circuit design techniques. Data converters and semiconductor memories will be covered. Microprocessor 8085 will be discussed as a complete digital system example. Designed primarily as a single course covering the digital circuits portion of GATE syllabus, the course will also be helpful for any other aspirant willing to learn digital electronics principles comprehensively in today's perspective.

ABOUT INSTRUCTOR :

Prof. Santanu Chattopadhyay received his BE degree in Computer Science and Technology from Calcutta University (B.E. College) in 1990. He received M.Tech in Computer and Information Technology and PhD in Computer Science and Engineering from Indian Institute of Technology Kharagpur in 1992 and 1996, respectively. He is currently a Professor in the Department of Electronics and Electrical Communication Engineering, IIT Kharagpur. Prior to this, he had been a faculty member in the IIEST Sibpur and IIT Guwahati in the departments of Computer Science and Engineering. In both these places he has taught the subject of Compiler Design several times. His research interests include Digital Design, Embedded Systems, System-on-Chip (SoC) and Network-on-Chip (NoC) Design and Test, Power- and Thermal-aware Testing of VLSI Circuits and Systems. He has published more than 150 papers in reputed international journals and conferences. He has published several text and reference books on Compiler Design, Embedded Systems and other related areas. He is a senior member of the IEEE and an Associate Editor of IET Circuits Devices and Systems journal.

COURSE PLAN :

Week 01 : Introduction, Number System

Week 02 : Boolean Algebra

Week 03 : Combinational function minimization – K Map, Boolean identities

Week 04 : Logic Gates

Week 05 : Arithmetic circuits, Code converters

Week 06 : Multiplexers, Decoders, PLA

Week 07 : Sequential Circuits – Latches and Flip-flops

Week 08 : Counters, Shift Registers, Finite State Machines

Week 09 : Data Converters – Sample and hold circuits, ADCs, DACs

Week 10 : Semiconductor Memories – ROM, SRAM, DRAM

Week 11: Microprocessor 8085 – Part I

Week 12 : Microprocessor 8085 – Part II

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Roll No: NPTEL20EE70S62340139

To
PAGADALA ESWAR
9-375/2 INDIRA COLONY RAMANYAPETA
KAKINADA RULER
NEAR RAMANAYAPETA MARKET
KAKINADA
ANDHRA PRADESH - 533005
PH. NO :7981154881

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PAGADALA ESWAR

for successfully completing the course

Digital Circuits

with a consolidated score of **43** %

Online Assignments	13.13/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1369**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Dec 2020
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y. 2020-21

Introduction To Internet of Things

COURSE OUTLINE

Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. IoT cuts across different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT.

TOPICS COVERED

Week 1: Introduction to IoT: Part I, Part II, Sensing, Actuation, Basics of Networking: Part-I

Week 2: Basics of Networking: Part-II, Part III, Part IV, Communication Protocols: Part I, Part II

Week 3: Communication Protocols: Part III, Part IV, Part V, Sensor Networks: Part I, Part II

Week 4: Sensor Networks: Part III, Part IV, Part V, Part VI, Machine-to-Machine Communications

Week 5: Interoperability in IoT, Introduction to Arduino Programming: Part I, Part II, Integration of Sensors and Actuators with Arduino: Part I, Part II

Week 6: Introduction to Python programming, Introduction to Raspberry Pi, Implementation of IoT with Raspberry Pi

Week 7: mplementation of IoT with Raspberry Pi (contd), Introduction to SDN, SDN for IoT

Week 8: SDN for IoT (contd), Data Handling and Analytics, Cloud Computing

Week 9: Cloud Computing(contd), Sensor-Cloud

Week 10: Fog Computing, Smart Cities and Smart Homes

Week 11: Connected Vehicles, Smart Grid, Industrial IoT

Week 12: Industrial IoT (contd), Case Study: Agriculture, Healthcare, Activity Monitoring

NO. OFSTUDENTS ATTENDED:9

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	ALLADA PAVANKUMAR
2	PENUMARTHI PRAGNA SAI
3	PARAMSETTI VENKATA SRUJAN
4	KARUMURI VEERA V RAMA SURYA SUBRAHMANYA VAMSI
5	GEESALA TEJA SAI NANDINI

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Near Peddapuram, E.G.Dt. (AP)-533 437

6	SATYA VENKATA DURGA PABBU
7	SALADI SRI JYOTHIRMAI DEVI
8	VATHADI THANUSHA
9	TELAGANI SAI SURYA TEJASWI

LIST OF STUDENTS COMPLETED: 8

S.NO	STUDENT NAME
1	ALLADA PAVANKUMAR
2	PENUMARTHI PRAGNA SAI
3	PARAMSETTI VENKATA SRUJAN
4	KARUMURI VEERA V RAMA SURYA SUBRAHMANYA VAMSI
5	GEESALA TEJA SAI NANDINI
6	SATYA VENKATA DURGA PABBU
7	SALADI SRI JYOTHIRMAI DEVI
8	TELAGANI SAI SURYA TEJASWI

Coordinator

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PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20CS66S82340147

To
GEESALA TEJA SAI NANDINI
4-65 ,CHAITANYA NAGAR,
GANAGAPALLE,KAKINADA RURAL
CHAINTNYA,NEAR GANDI STATUE, GANAGAPALLE
KAKINADA
ANDHRA PRADESH - 533006
PH. NO :7989499101

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

GEESALA TEJA SAI NANDINI

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **63** %

Online Assignments	21.06/25	Proctored Exam	42/75

Total number of candidates certified in this course: **4785**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Dec 2020
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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Near Peddapuram, E.G.(D) (AP)

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Roll No: NPTEL20CS66S72340018

To
ALLADA PAVANKUMAR
17-2-9/C ,ANKAYYAPETA,PEDDAPURAM
ANDHRA PRADESH - 533437
PH. NO :7337417597

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ALLADA PAVANKUMAR

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **57** %

Online Assignments	22.50/25	Proctored Exam	34.5/75

Total number of candidates certified in this course: **4785**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Dec 2020
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

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Near Peddapuram, E.G.Dt. (AP)-533 437

Indian Institute of Technology Kharagpur

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PRAGATI ENGINEERING COLLEGE

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Recognized by UGC under sections 2(f) & 12(b) of the UGC Act ,1956)

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2020-21

Programming, Data Structures and Algorithms Using Python

COURSE OUTLINE

This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files. As far as data structures are concerned, the course covers Python dictionaries as well as classes and objects for defining user defined datatypes such as linked lists and binary search trees.

TOPICS COVERED

Week 1:Informal introduction to programmin, algorithms and data structures viaged
Week 2Python: types, expressions, strings, lists, tuples
Week 3:Basic algorithmic analysis: input size, asymptotic complexity, O() notation
Week 4:Dictionaries
Week 5:Exception handling
Week 6:Backtracking: N Queens, recording all solutions
Week 7:Abstract datatypes
Week 8:Effcient evaluation of recursive definitions: memorization

NO. OF STUDENTS ATTENDED:1

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	PAVVADA VENKATA SAI ABHIRAM

LIST OF STUDENTS COMPLETED: 1

S.NO	STUDENT NAME
1	PAVVADA VENKATA SAI ABHIRAM

Coordinator

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON

PROF. MADHAVAN MUKUND
Department of Computer Science and Engineering
Chennai Mathematical Institute

INTENDED AUDIENCE : Students in any branch of mathematics/science/engineering, 1st year

PRE-REQUISITES : School level mathematics.

INDUSTRIES APPLICABLE TO : This course should be of value to any company requiring programming skills.

COURSE OUTLINE :
This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files. As far as data structures are concerned, the course covers Python dictionaries as well as classes and objects for defining user defined datatypes such as linked lists and binary search trees.

ABOUT INSTRUCTOR :
Prof. Madhavan Mukund studied at IIT Bombay (BTech) and Aarhus University (PhD). He has been a faculty member at Chennai Mathematical Institute since 1992, where he is presently Professor and Director. His main research area is formal verification. He has active research collaborations within and outside India and serves on international conference programme committees and editorial boards of journals.
He has served as President of both the Indian Association for Research in Computing Science (IARCS) (2011-2017) and the ACM India Council (2016-2018). He has been the National Coordinator of the Indian Computing Olympiad since 2002. He served as the Executive Director of the International Olympiad in Informatics from 2011-2014.
In addition to the NPTEL MOOC programme, he has been involved in organizing IARCS Instructional Courses for college teachers. He is a member of ACM India's Education Committee. He has contributed lectures on algorithms to the Massively Empowered Classroom (MEC) project of Microsoft Research and the QEEE programme of MHRD

COURSE PLAN:
Week 1:
Informal introduction to programmin, algorithms and data structures viagcd
Downloading and installing Python
gcd in Python: variables, operations, control flow - assignments, condition-als, loops, functions
Week 2:
Python: types, expressions, strings, lists, tuples
Python memory model: names, mutable and immutable values
List operations: slices etc
Binary search
Inductive function denitions: numerical and structural induction
Elementary inductive sorting: selection and insertion sort
In-place sorting
Week 3:
Basic algorithmic analysis: input size, asymptotic complexity, O() notation
Arrays vs lists
Merge sort
Quicksort
Stable sorting
Week 4:
Dictionaries
More on Python functions: optional arguments, default values
Passing functions as arguments
Higher order functions on lists: map, lter, list comprehension
Week 5:
Exception handling
Basic input/output
Handling files
String processing
Week 6:
Backtracking: N Queens, recording all solutions
Scope in Python: local, global, nonlocal names
Nested functions
Data structures: stack, queue
Heaps
Week 7:
Abstract datatypes
Classes and objects in Python
"Linked" lists: find, insert, delete
Binary search trees: find, insert, delete
Height-balanced binary search trees
Week 8:
Efficient evaluation of recursive definitions: memoization
Dynamic programming: examples
Other programming languages: C and manual memory management
Other programming paradigms: functional programming

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Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20CS70S32170013

To
PUVVADA VENKATA SAI ABHIRAM
D.NO.:36-13-13,KALIMIREDDY VARI STREET
INNESPETA,RAJAHMUNDRY
RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO :6309088956

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PUVVADA VENKATA SAI ABHIRAM

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **65** %

Online Assignments	16.63/25	Programming Exam	25/25	Proctored Exam	23.75/50

Total number of candidates certified in this course: **1579**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-53[illegible]

swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2020-21

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON

BROCHURE

PROF. MADHAVAN MUKUND
Department of Computer Science and Engineering
Chennai Mathematical Institute

INTENDED AUDIENCE : Students in any branch of mathematics/science/engineering, 1st year

PRE-REQUISITES : School level mathematics.

INDUSTRIES APPLICABLE TO : This course should be of value to any company requiring programming skills.

COURSE OUTLINE :
This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files. As far as data structures are concerned, the course covers Python dictionaries as well as classes and objects for defining user defined datatypes such as linked lists and binary search trees.

ABOUT INSTRUCTOR :
Prof. Madhavan Mukund studied at IIT Bombay (BTech) and Aarhus University (PhD). He has been a faculty member at Chennai Mathematical Institute since 1992, where he is presently Professor and Director. His main research area is formal verification. He has active research collaborations within and outside India and serves on international conference programme committees and editorial boards of journals.
He has served as President of both the Indian Association for Research in Computing Science (IARCS) (2011-2017) and the ACM India Council (2016-2018). He has been the National Coordinator of the Indian Computing Olympiad since 2002. He served as the Executive Director of the International Olympiad in Informatics from 2011-2014.
In addition to the NPTEL MOOC programme, he has been involved in organizing IARCS Instructional Courses for college teachers. He is a member of ACM India's Education Committee. He has contributed lectures on algorithms to the Massively Empowered Classroom (MEC) project of Microsoft Research and the QEEE programme of MHRD

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COURSE PLAN:

Week 1:

Informal introduction to programmin, algorithms and data structures vlagcd

Downloading and installing Python

gcd in Python: variables, operations, control flow - assignments, condition-als, loops, functions

Week 2:

Python: types, expressions, strings, lists, tuples

Python memory model: names, mutable and immutable values

List operations: slices etc

Binary search

Inductive function denitions: numerical and structural induction

Elementary inductive sorting: selection and insertion sort

In-place sorting

Week 3:

Basic algorithmic analysis: input size, asymptotic complexity, O() notation

Arrays vs lists

Merge sort

Quicksort

Stable sorting

Week 4:

Dictionaries

More on Python functions: optional arguments, default values

Passing functions as arguments

Higher order functions on lists: map, lter, list comprehension

Week 5:

Exception handling

Basic input/output

Handling files

String processing

Week 6:

Backtracking: N Queens, recording all solutions

Scope in Python: local, global, nonlocal names

Nested functions

Data structures: stack, queue

Heaps

Week 7:

Abstract datatypes

Classes and objects in Python

"Linked" lists: find, insert, delete

Binary search trees: find, insert, delete

Height-balanced binary search trees

Week 8:

Efficient evaluation of recursive definitions: memoization

Dynamic programming: examples

Other programming languages: C and manual memory management

Other programming paradigms: functional programming

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(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)
Ph: 08852 – 252233, 34. Website:www.pragati.ac.in

LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	18A31B0517	Kunche Kavya
2	17A31B0521	Madadha Sireesha
3	17A31A05B1	R. Naveen Babu
4	18A31A0503	Sandhya Anagha
5	18A35A0502	Nagini Pabolu
6	18A31B0523	Palakurthi Amrutha
7	18A31A0543	M.P.V.N.Vamsi
8	18A31B0551	Puvvada Venkata Sai Abhiram
9	18A31A0536	Raviteja

LIST OF STUDENTS CLEARED

S.No	Roll No.	Name of the Student	Course title	Result
1	18A31B0551	Puvvada Venkata Sai Abhiram	Programming, Data Structures And Algorithms Using Python	Elite
2	18A31B0523	Palakurthi Amrutha	Programming, Data Structures And Algorithms Using Python	Elite

Coordinator

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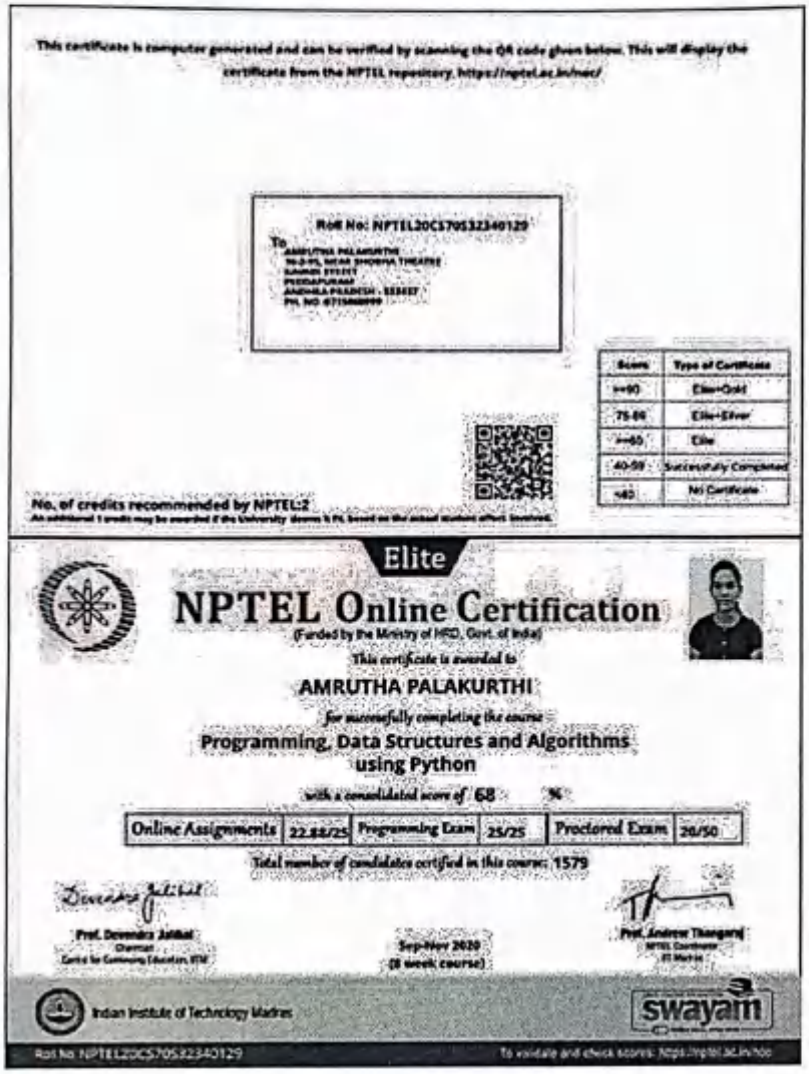
SAMPLE CERTIFICATES



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RoR No: NPTEL20CS70S32340129

To
AMRUTHA PALAKURTHI
NO-2-95, NEAR SHOBHA THEATRE
GANDHI STREET
PEDDAPURAM
ANDHRA PRADESH - 533437
PH. NO: 6715680999

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=65	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

AMRUTHA PALAKURTHI

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of 68 %

Online Assignments	22.88/25	Programming Exam	25/25	Proctored Exam	20/50

Total number of candidates certified in this course: 1579

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL20CS70S32340129

To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20CS70S32170013

To
PUVVADA VENKATA SAI ABHIRAM
D.NO. 36-13-13,KALIMANDOY VARI STREET
PINNISPETA,RAJAMUNDRY
RAJAMUNDRY
ANDHRA PRADESH , 533101
PH. NO [illegible]

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PUVVADA VENKATA SAI ABHIRAM

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of 65 %

Online Assignments	16.63/25	Programming Exam	25/25	Proctored Exam	23.75/50

Total number of candidates certified in this course: 1579

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
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Prof. Andrew Thangaraj
NPTEL Coordinator
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2020-21

GOOGLE CLOUD COMPUTING FOUNDATION

BROCHURE

GOOGLE CLOUD COMPUTING FOUNDATIONS

MULTI-FACULTY

COURSE OUTLINE :
The Google Cloud Computing Foundations course aims to provide a detailed overview of concepts covering cloud basics, big data, and machine learning and where and how the Google Cloud Platform fits in. The course involves understanding concepts and perform hands-on training (via Qwiklabs platform) to practice the learning. There are 26 labs on Qwiklabs that are part of the course.

Those enrolling for the course should ideally:

- Have basic IT knowledge and be interested in learning more about Cloud and ML.
- Have competency in at least one language (such as Python, Java).
- Be familiar with the basics of shell scripting, SQL.

Disclaimer:
Google may contact you by email to provision benefits and send surveys and other communication related to the Google Cloud Computing Foundations Course.
By joining, you agree to Google Cloud Training tracking your grades and other activity in it's learning program.

ABOUT INSTRUCTOR :
Prof. Soumya K. Ghosh received the Ph.D. and M.Tech. degrees from Department of Computer Science and Engineering, Indian Institute of Technology (IIT), Kharagpur, India. Presently, he is a Professor with Department of Computer Science and Engineering, IIT Kharagpur. Before joining IIT Kharagpur, he worked for the Indian Space Research Organization in the area of satellite remote sensing and geographic information systems. He has more than 200 research papers in reputed journals and conference proceedings. His research interests include spatial data science, spatial web services and cloud computing.

Prof.Sowmya Kannan is the Global Lead for Google Cloud Learning in Higher Education. Sowmya Kannan has a broad range of experience in professional services, product engineering, technical writing, and technical curriculum development. She co-authored The Java Tutorial book at Oracle. As technical lead for application development curriculum at Google Cloud, Sowmya developed Coursera courses related Developing Applications with Google Cloud Platform.

Prof.Priyanka Vergadia is an engineer at Google Cloud. Previously she has worked at Akamai Technologies, Intel and Genesys Telecommunications. She creates online learning content on Cloud related topics, her series "Get Cooking in Cloud" and "Deconstructing Chatbots" are available on Google Cloud Youtube Channel. While she is not producing videos, writing blogs or speaking at conferences, she draws and paints.

Prof.Seth Vargo is an engineer at Google Cloud. Previously he worked at HashiCorp, Chef Software, CustomInk, and some Pittsburgh-based startups. He is the author of Learning Chef and is passionate about reducing inequality in technology. When he is not writing, working on open source, teaching, or speaking at conferences, Seth advises non-profits.

Prof.Evan is a self-proclaimed board game geek, triathlete, data junkie, and big data teacher. He lives in San Jose and once swam from near Alcatraz back to shore. He's a nerd for good data visualizations and enjoys debating how the word .gif is pronounced.

Prof.Philipp Maier is a technical curriculum developer at Google with a focus on Cloud Infrastructure and Networking. He got his Master's from Stanford University in Aerospace Engineering where he developed a passion for teaching. In his free time he likes to hike, run, cycle, snowboard, travel and cook.

Prof.Alex Hanna is a researcher on the ethical AI team at Google. She holds a MSc and PhD from University of Wisconsin-Madison in sociology.

COURSE PLAN :
Week 1: Introduction to the course,So, What's the Cloud anyway? Start with a Solid Platform
Week 2: Use GCP to build your Apps
Week 3: Where do I store this stuff?
Week 4: There's an API for that! You can't secure the Cloud right?
Week 5: It helps to network!
Week 6: It helps to network (continued)
Week 7: Let Google keep an eye on things. You have the data, but what are you doing with it?
Week 8: Let machines do the work

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1	18A31B0517	Kunche Kavya
2	18A31A0503	Darbha Sandhya Anagha
3	18A31A0503	Sandhya Anagha
4	18A35A0502	Nagini Pabolu
5	18A31A0531	Vinay
6	18A31B0548	Pamu Suraj
7	18A31A0533	Badiganti Karthik
8	18A31B0509	GedelaBaandhavi
9	18A31A0521	Reddy Ganga Pavani
10	18A31A0536	Raviteja
11	18A31A0505	Gandepalli Poornima
12	18A31A0586	Siriki Anusha
13	18A31A0563	Bathula Sri Sai Swetha Lalitha Eswari
14	18A31B0531	Veeramreddy V S S Sreeja
15	18A31B0515	Niharika Kona
16	18A31A0549	Palakollu Santhosh Satya Anilkumar
17	18A31A0519	Palepu Shivani
18	18A31A05B2	Mohammed. Abrar Ahmed Sharief
19	18a31b0507	Chandakanna Sri Divya
20	18A31A05A5	Kakarla Drupath Tarun Teja
21	18A31A0525	Undavalli Nava Sahitha
22	18A31B0553	Prasanth Samidala
23	18A31B0557	Sundarapalli Dharma Sai
24	18A31A0501	Anantha Lakshmi Satyavathi Ch
25	18A31A0520	Pepakayala Mohitha
26	18A31A0574	Naga Lakshmi Sanjana
27	18A31A0579	Patnala Aparna
28	18A31A0536	Chokka Ravi Teja
29	18A31A0565	Kakkirala Lakshmi Sravani
30	18A31B0518	Lagadapati Naga Anusha
31	18A31A0527	Vathadi Jyoshna
32	18A31B0503	Bhargavi Sandhya
33	18A31B0503	Anusuri Bhargavi Sandhya
34	18A31A0513	Khairunnisa Shah
35	18A31B0513	KengamBhavyasivasree
36	18A31A05A2	Kommuri Abhishek Sagar
37	18A31B0529	Vadrevu Bhargavi Datta
38	18A31A05A0	Rakshith Roy
39	18A31A0564	Dontamsetti Alekya

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LIST OF STUDENTS CLEARED

S.No	Roll No.	Name of the Student	Course title	Result
1	18A31A0503	Darbha Sandhya Anagha	Google Cloud Computing Foundation	Successfully Completed
2	18A31B0548	Pamu Suraj	Google Cloud Computing Foundation	Successfully Completed
3	18A31B0509	GedelaBaandhavi	Google Cloud Computing Foundation	Successfully Completed
4	18A31A0549	Palakollu Santhosh Satya Anilkumar	Google Cloud Computing Foundation	Successfully Completed
5	18A31A0519	Palepu Shivani	Google Cloud Computing Foundation	Successfully Completed
6	18A31B0531	Veeramreddy V S S Sreeja	Google Cloud Computing Foundation	Successfully Completed
7	18A31A0525	Undavalli Nava Sahitha	Google Cloud Computing Foundation	Successfully Completed
8	18A31B0557	Sundarapalli Dharma Sai	Google Cloud Computing Foundation	Successfully Completed
9	18A31A0501	Anantha Lakshmi Satyavathi Ch	Google Cloud Computing Foundation	Successfully Completed
10	18A31A0520	Pepakayala Mohitha	Google Cloud Computing Foundation	Successfully Completed

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3	18A31B0509	GedelaBaandhavi	Google Cloud Computing Foundation	Successfully Completed
4	18A31A0549	Palakollu Santhosh Satya Anilkumar	Google Cloud Computing Foundation	Successfully Completed
5	18A31A0519	Palepu Shivani	Google Cloud Computing Foundation	Successfully Completed
6	18A31B0531	Veeramreddy V S S Sreeja	Google Cloud Computing Foundation	Successfully Completed
7	18A31A0525	Undavalli Nava Sahitha	Google Cloud Computing Foundation	Successfully Completed
8	18A31B0557	Sundarapalli Dharma Sai	Google Cloud Computing Foundation	Successfully Completed
9	18A31A0501	Anantha Lakshmi Satyavathi Ch	Google Cloud Computing Foundation	Successfully Completed
10	18A31A0520	Pepakayala Mohitha	Google Cloud Computing Foundation	Successfully Completed

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11	18A31A0505	Gandepalli Poornima	Google Cloud Computing Foundation	Elite
12	18A31B0553	Prasanth Samidala	Google Cloud Computing Foundation	Successfully Completed
13	18A31A0553	Shaik Mustahaffin Suhail	Google Cloud Computing Foundation	Successfully Completed
14	18A31A0536	Chokka Ravi Teja	Google Cloud Computing Foundation	Successfully Completed
15	18A31B0518	Lagadapati Naga Anusha	Google Cloud Computing Foundation	Successfully Completed
16	18A31B0503	Anusuri Bhargavi Sandhya	Google Cloud Computing Foundation	Successfully Completed
17	18A31B0513	KengamBhavyasivasree	Google Cloud Computing Foundation	Successfully Completed
18	18A31A05A2	Kommuri Abhishek Sagar	Google Cloud Computing Foundation	Successfully Completed
19	18A31B0529	Vadrevu Bhargavi Datta	Google Cloud Computing Foundation	Successfully Completed

Coordinator

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Roll No: NPTEL20CS96552340009

To
CH RAVITEJA
D-NO:46-55 MOLD HOSPITAL STREET,
JAGANNAICKPUR, KAKINADA-2,
SADHIKA PRADESH - 533002
PH. NO: [illegible]

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

CH RAVITEJA

for successfully completing the course

Google Cloud Computing Foundations

with a consolidated score of 58 %

Online Assignments	23.25/25	Proctored Exam	34.5/75

Total number of candidates certified in this course: 798

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Nov 2020
(8 week course)

Prof. Subject Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur | Google Cloud | swayam

Roll No: NPTEL20CS96552340009 | To validate and check scores: https://nptel.ac.in/noc

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Roll No: NPTEL20CS96552340009

To
CH RAVITEJA
D-NO-46-50-54 OLD HOSPITAL STREET,
JAGANNAKSPUR, AMANGA-2,
ANDHRA PRADESH - 533002
PH. NO [illegible]

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
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Google Cloud Computing Foundations

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Online Assignments	23.25/25	Proctored Exam	34.5/75

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Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Nov 2020
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur | Google Cloud | swayam

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2020-21

DATA SCIENCE FOR ENGINEERS

BROCHURE

PROF. RAGHUNATHAN RENGASAMY
Department of Chemical Engineering
IIT Madras

PROF. SHANKAR NARASIMHAN
Department of Chemical Engineering
IIT Madras

PRE-REQUISITES : 10 hrs of pre-course material will be provided, learners need to practice this to be ready to take the course.

INTENDED AUDIENCE : Any interested learner

INDUSTRIES APPLICABLE TO : HONEYWELL, ABB, FORD, GYAN DATA PVT. LTD.

COURSE OUTLINE :
Learning Objectives :
Introduce R as a programming language
Introduce the mathematical foundations required for data science
Introduce the first level data science algorithms
Introduce a data analytics problem solving framework
Introduce a practical capstone case study
Learning Outcomes:
Describe a flow process for data science problems (Remembering)
Classify data science problems into standard typology (Comprehension)
Develop R codes for data science solutions (Application)
Correlate results to the solution approach followed (Analysis)
Assess the solution approach (Evaluation)
Construct use cases to validate approach and identify modifications required (Creating)

ABOUT INSTRUCTOR :
Prof.Rengaswamy was a professor of Chemical Engineering and Co-Director of the Process Control and Optimization Consortium at Texas Tech University, Lubbock, USA. He was also a professor and associate professor at Clarkson University, USA and an assistant professor at IIT Bombay. His major research interests are in the areas of fault detection and diagnosis and development of data science algorithms for manufacturing industries.

Prof.Shankar Narasimhan is currently a professor in the department of Chemical Engineering at IIT Madras. His major research interests are in the areas of data mining, process design and optimization, fault detection and diagnosis and fault tolerant control. He has co-authored several important papers and a book titled Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data which has received critical appreciation in India and abroad.

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COURSE PLAN :

Week 1: Course philosophy and introduction to R

Week 2: Linear algebra for data science

1. Algebraic view - vectors, matrices, product of matrix & vector, rank, null space, solution of over-determined set of equations and pseudo-inverse)

2. Geometric view - vectors, distance, projections, eigenvalue decomposition

Week 3: Statistics (descriptive statistics, notion of probability, distributions, mean, variance, covariance, covariance matrix, understanding univariate and multivariate normal distributions, introduction to hypothesis testing, confidence interval for estimates)

Week 4: Optimization

Week 5: 1. Optimization

2. Typology of data science problems and a solution framework

Week 6: 1. Simple linear regression and verifying assumptions used in linear regression

2. Multivariate linear regression, model assessment, assessing importance of different variables, subset selection

Week 7: Classification using logistic regression

Week 8: Classification using kNN and k-means clustering

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LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	18A31A0536	RAVITEJA
2	18A31B0505	Attili Swathi
3	18A31B0507	Chandakanna Sri Divya
4	18A31B0511	Kancharla Lalitha Kiranmai
5	18A31B0512	Karuturi Snehika
6	18A31B0531	Veeramreddy V S S Sreeja
7	18A31A0505	Gandepalli Poornima
8	18A31A0577	Nulu Lalitha
9	18A31B0540	Kotikalapudi K S V N Narasimha Sarma
10	18A31A0520	MOHITHA PEPAKAYALA
11	18A31A0517	MOGGA LALITHA PRIYANKA
12	18A31A0511	Katari Sai Hari Priya
13	18A31A0519	PALEPU SHIVANI
14	18A31A0502	NANDINI SIVA LAVANYA BADE
15	18A31A0504	GEDDAM MOUNIKA
16	17A31A0537	PAVAN VENKAT SALDEVADA
17	18A31A0586	Siriki Anusha
18	18A31A0525	NAVA SAHITHA UNDAVALLI
19	18A31A0544	MATTA UHAKASH GOUD
20	18A31A05B1	MOHAMMED ABDUL QADIR JILANI
21	18A31A0543	Madepalli Praveen Venkat Nag Vamsi
22	18A31A0564	Dontamsetti Alekya
23	18A31B0554	Sabbineedi Abhiram
24	18A31A0579	Patnala Aparna
25	18A31B0532	Yeleti Jyoti

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Ph: 08852 – 252233, 34. Website:www.pragati.ac.in

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	18A31B0531	Veeramreddy V S S Sreeja	Data Science For Engineers	Elite
2	18A31A0505	Gandepalli Poornima	Data Science For Engineers	Elite
3	18A31A0577	Nulu Lalitha	Data Science For Engineers	Elite
4	18A31B0540	Kotikalapudi K S V N Narasimha Sarma	Data Science For Engineers	Successfully completed
5	18A31A0511	Katari Sai Hari Priya	Data Science For Engineers	Elite
6	18A31A0543	Madepalli Praveen Venkat Nag Vamsi	Data Science For Engineers	Elite
7	18A31A0564	Dontamsetti Alekya	Data Science For Engineers	Successfully completed
8	18A31A0586	Siriki Anusha	Data Science For Engineers	Successfully completed
9	18A31B0554	Sabbineedi Abhiram	Data Science For Engineers	Successfully completed
10	18A31A0579	Patnala Aparna	Data Science For Engineers	Elite
11	18A31B0532	Yeleti Jyoti	Data Science For Engineers	Elite

Coordinator

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SAMPLE CERTIFICATES

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

MADEPALLI PRAVEEN VENKAT NAG VAMSI

for successfully completing the course

Data Science for Engineers

with a consolidated score of 63 %

Online Assignments	24.50/25	Proctored Exam	38.81/75

Total number of candidates certified in this course: 2543

Prof. Andrew Thangaraj

swayam

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Roll No: NPTEL20CS72532340127

To

Score	Type of Certificate
<=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

YELETI JYOTI

for successfully completing the course

Data Science for Engineers

with a consolidated score of **68** %

Online Assignments	24.79/25	Proctored Exam	43.04/75

Total number of candidates certified in this course: **2043**

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL20CS72532340127

To validate and check scores: https://nptel.ac.in/noc

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Google Cloud Computing Foundations Course

By Prof. Soumya Kanti Ghosh, Multifaculty | IIT Kharagpur, Google Cloud

Learners enrolled: 14661

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	8 weeks
Start Date :	24 Feb 2020
End Date :	17 Apr 2020
Exam Date :	25 Apr 2020 IST
Enrollment Ends :	24 Feb 2020
Category :	Computer Science and Engineering
Credit Points :	2
Level :	Undergraduate

This is an AICTE approved FDP course

Technical partner

The Google Cloud Computing Foundations course aims to provide students with little to no background or experience in cloud computing, a detailed overview of concepts covering cloud basics, big data, and machine learning and where and how the Google Cloud Platform fits in.

The course involves understanding concepts and perform hands-on training (via Qwiklabs platform) to practice the learning

Disclaimer

- Google may contact you by email to provision benefits and send surveys and other communication related to the Google Cloud Computing Foundations Course
- "By joining you agree to Google Cloud Training tracking your grades and other activity in it's learning program"

Course layout

Week 0 : Introduction to the course
Week 1 : So, What's the Cloud anyway? Start with a Solid Platform
Week 2 : Use GCP to build your Apps
Week 3 : Where do I store this stuff?
Week 4 : There's an API for that. You can't secure the Cloud right?
Week 5 : It helps to network
Week 6 : It helps to network (continued)
Week 7 : Let Google keep an eye on things. You have the data, but what are you doing with it?
Week 8 : Let machines do the work

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Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	18A31A1201	Amchuri chaitraja
2	18A31A1202	Balusu Lakshmi Sowjanya
3	18A31A1203	BANDI MAHITHAREDDY
4	18A31A1204	Chilukuri Lakshmi Sowjanya
5	18A31A1205	GALLA SHIVANI
6	18A31A1206	I sowmika
7	18A31A1207	k pavani
8	18A31A1208	Korada Vyshnavi Devi
9	18A31A1209	Korlapati Sanjusri
10	18A31A1210	Kovvuri Gowthami Reddy
11	18A31A1211	Meghana Kundula
12	18A31A1212	L Pavani Lakshmi
13	18A31A1213	LAKSHMI SUDHA PINISETTI
14	18A31A1214	Mahanthi Navya Sri Venkata Anisha
15	18A31A1215	Marini Tejasree
16	18A31A1216	muggulla hema naga sai deepika
17	18A31A1217	Joshna Sai Keerthi Mutyala
18	18A31A1218	MUTYALA LAKSHMI VINUTHNA
19	18A31A1219	N Gayathri Sowjanya
20	18A31A1220	P SAI MOUNICA
21	18A31A1221	RAMYA KEERTHI MUMMIDI
22	18A31A1222	Relangi Likhita
23	18A31A1223	rowthu ramya
24	18A31A1224	Ramya Devulapalli
25	18A31A1225	Sai Sri Mummani
26	18A31A1226	satti geethika
27	18A31A1227	KASTURI LAKSHMI SATYAM
28	18A31A1228	Swarupa Mohapatra
29	18A31A1229	Tetali Anantha Lakshmipriya
30	18A31A1230	Ungarala MadhuYamini
31	18A31A1231	Madhuri vedulla
32	18A31A1232	Vegesna sita rama santhoshi
33	18A31A1233	padmasri yendru
34	18A31A1234	SETTI VIJNANA VARDHAN
35	18A31A1237	Yerusu Yuvanth Kumar Reddy
36	18A31A1238	Allaka satya veera manikanta
37	18A31A1239	Ambati Guna Sai Charan
38	18A31A1240	Atkuri Satya Venkata Surya Naga Sri Sai

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39	18A31A1242	Godithi virinchi
40	18A31A1246	Surla mahesh
41	18A31A1247	Lokareddy Jagannadha Raju
42	18A31A1248	MAGANTI SRI VENKATA SAI RAGHUVEER
43	18A31A1249	Mutyala srinivas chowdary
44	18A31A1250	Narayanam Hemanth Kumar
45	18a31a1251	P venkata sai
46	19A35A1201	Duvva Mounika

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LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	18A31A1213	Lakshmi SudhaPinisetti	Google Cloud Computing Foundations	Successfully completed
2	18A31A1217	JoshnaSaiKeerthiMutyala	Google Cloud Computing Foundations	Successfully completed
3	18A31A1225	Sai Sri Mummani	Google Cloud Computing Foundations	Successfully completed
4	18A31A1238	Allakasatyaveeramanikanta	Google Cloud Computing Foundations	Successfully completed
5	18A31A1250	NarayanamHemanth Kumar	Google Cloud Computing Foundations	Successfully completed

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Roll No: NPTEL20CS96S52170067

To
LAKSHMI SUDHA PINISETTI
OPP TO MALLESWARI RICE MILL STREET
MANDAPETA
ANDHRA PRADESH - 533308
PH. NO :7893393256

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

LAKSHMI SUDHA PINISETTI

for successfully completing the course

Google Cloud Computing Foundations

with a consolidated score of **52** %

Online Assignments	20.67/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: **798**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Nov 2020
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

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Near Pedapudi, E.G.Dt.

Indian Institute of Technology Kharagpur

Google Cloud

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Roll No: NPTEL20CS96S62340064

To
NARAYANAM HEMANTH KUMAR
SIDDARDHANAGAR, AMBEDKAR STATUE ROAD 5
RAYUDUPALEM, KAKINADA
KAKINADA
ANDHRA PRADESH - 533005
PH. NO :8328588503

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

NARAYANAM HEMANTH KUMAR

for successfully completing the course

Google Cloud Computing Foundations

with a consolidated score of 54 %

Online Assignments	22.29/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: 798

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Sep-Nov 2020
(8 week course)

Prof. Debjani Chakraborty
IIT Kharagpur

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Indian Institute of Technology Kharagpur

Google Cloud

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DATA SCIENCE FOR ENGINEERS

PROF. RAGHUNATHAN RENGASAMY
Department of Chemical Engineering
IIT Madras
PROF. SHANKAR NARASIMHAN
Department of Chemical Engineering
IIT Madras

PRE-REQUISITES : 10 hrs of pre-course material will be provided, learners need to practice this to be ready to take the course.

INTENDED AUDIENCE : Any interested learner

INDUSTRIES APPLICABLE TO : HONEYWELL, ABB, FORD, GYAN DATA PVT. LTD.

COURSE OUTLINE :

This course will introduce: R as a programming language, mathematical foundations required for data science, the first level data science algorithms, data analytics problem solving framework, practical capstone case study Course will also describe a flow process for data science problems (Remembering), Classify data science problems into standard typology (Comprehension), Develop R codes for data science solutions (Application) , Correlate results to the solution approach followed (Analysis), Assess the solution approach (Evaluation) , Construct use cases to validate approach and identify modifications required (Creating).

ABOUT INSTRUCTOR :

Prof. Rengaswamy was a professor of Chemical Engineering before joining at IIT Madras as a professor and Co-director of the Process Control and Optimization Consortium at Texas Tech University, Lubbock, USA. He was also a Professor at Clarkson University, USA and Assistant Professor at IIT Bombay. His major research interests are in the areas of fault detection and diagnosis and development of data science algorithms for manufacturing industries. Prof. Shankar Narasimhan is currently a professor in the department of Chemical Engineering at IIT Madras. His major research interests are in the areas of data mining, process design and optimization, fault detection and diagnosis and fault tolerant control. He has co-authored several important papers and a book titled Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data which has received critical appreciation in India and abroad.

COURSE PLAN :

Week 1: Course philosophy and introduction to R

Week 2: Linear algebra for data science

Week 3: Statistics

Week 4: Optimization

Week 5: Typology of data science problems and a solution framework

Week 6: Simple linear regression and verifying assumptions used in linear regression, Multivariate linear regression, model assessment, assessing importance of different variables, subset selection

Week 7: Classification using logistic regression

Week 8: Classification using kNN and k-means clustering

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LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	18A31A1235	Somisetty Bala Kumara Vignesh
2	18A31A1236	Teki Raja Ravindra
3	18A31A1245	K Teja Hanuma
4	18A31A1252	SARVASUDDI DILEEP

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	18A31A1235	SomisettyBala Kumara Vignesh	Data Science for Engineers	Elite
2	18A31A1252	SarvasuddiDileep	Data Science for Engineers	Elite

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Roll No: NPTEL20CS72S42340104

To
SARVASUDDI DILEEP
31-4-34 , DULLA VARI VIDHI,KAKINADA
ANDHRA PRADESH - 533001
PH. NO :7981864815

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

SARVASUDDI DILEEP

for successfully completing the course

Data Science for Engineers

with a consolidated score of **60** %

Online Assignments	21.75/25	Proctored Exam	37.76/75

Total number of candidates certified in this course: **2043**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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Roll No: NPTEL20CS72S32340112

To
SOMISETTY BALA KUMARA VIGNESH
34-5-7/3, GOLD MARKET CENTRE, KAKINADA
34-5-7/3, RAJAJI STREET, KAKINDA
KAKINADA
ANDHRA PRADESH - 533001
PH. NO :9030670472

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

SOMISETTY BALA KUMARA VIGNESH

for successfully completing the course

Data Science for Engineers

with a consolidated score of 66 %

Online Assignments	24.25/25	Proctored Exam	41.62/75

Total number of candidates certified in this course: 2043

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Nov 2020
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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Courses >

Developing Soft Skills and Personality

By Prof. T. Ravichandran | IIT Kanpur

Learners enrolled: 47633

ABOUT THE COURSE:

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfillment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

INTENDED AUDIENCE: Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRY SUPPORT: All industry/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	4 week's
Start Date :	25 Jul 2022
End Date :	19 Sep 2022
Exam Date :	23 Sep 2022 (IST
Enrollment Ends :	08 Aug 2022
Category :	Humanities and Social Sciences
Credit Points :	2
Level :	Undergraduate

This is an AICTE approved FDP course

PROF. T. RAVICHANDRAN
Department of Humanities and Social Sciences
IIT Kanpur

INTENDED AUDIENCE : Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRIES APPLICABLE TO : All industries/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

COURSE OUTLINE :

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfillment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

ABOUT INSTRUCTOR :

Prof. T. RAVICHANDRAN is presently a Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India. He has written about fifty research articles/book chapters, supervised six doctoral theses, edited a special issue on Cyberpunk Literature for the Creative Forum Journal, and published a book on Postmodern Identity. He is a recipient of the Fulbright-Nehru Academic and Professional Excellence Fellowship (2014-15) for his research/ teaching at Duke University, North Carolina, USA. He is honored with Champa Devi Gangwal Chair Professorship at IIT Kanpur. In his distinguished twenty-five years of teaching career, he has taught various courses in English Language and Literature. His NPTEL Video and Web courses on Communication Skills are well-acclaimed nationally and internationally. His NPTEL MOOC on Developing

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COURSE PLAN:

Week 1: Lecture 1: Introduction: A New Approach To Learning
Lecture 2: Planning And Goal-Setting
Lecture 3: Human Perceptions: Understanding People
Lecture 4: Types Of Soft Skills: Self-Management Skills
Lecture 5: Aiming For Excellence: Developing Potential And Self-Actualisation
Lecture 6: Need Achievement And Spiritual Intelligence

Week 2: Lecture 7: Conflict Resolution Skills: Seeking Win-Win Solution
Lecture 8: Inter-Personal Conflicts: Two Examples
Lecture 9: Inter-Personal Conflicts: Two Solutions
Lecture 10: Types Of Conflicts: Becoming A Conflict Resolution Expert
Lecture 11: Types Of Stress: Self-Awareness About Stress
Lecture 12: Regulating Stress: Making The Best Out Of Stress

Week 3: Lecture 13: Habits: Guiding Principles
Lecture 14: Habits: Identifying Good And Bad Habits
Lecture 15: Habits: Habit Cycle
Lecture 16: Breaking Bad Habits
Lecture 17: Using The Zeigarnik Effect For Productivity And Personal Growth
Lecture 18: Forming Habits Of Success

Week 4: Lecture 19: Communication: Significance Of Listening
Lecture 20: Communication: Active Listening
Lecture 21: Communication: Barriers To Active Listening
Lecture 22: Telephone Communication: Basic Telephone Skills
Lecture 23: Telephone Communication: Advanced Telephone Skills
Lecture 24: Telephone Communication: Essential Telephone Skills

Week 5: Lecture 25: Technology And Communication: Technological Personality
Lecture 26: Technology And Communication: Mobile Personality?
Lecture 27: Topic: Technology And Communication: E-Mail Principles
Lecture 28: Technology And Communication: How Not To Send E-Mails!
Lecture 29: Technology And Communication: Netiquette
Lecture 30: Technology And Communication: E-Mail Etiquette

Week 6: Lecture 31: Communication Skills: Effective Communication
Lecture 32: Barriers To Communication: Arising Out Of Sender/Receiver's Personality
Lecture 33: Barriers To Communication: Interpersonal Transactions
Lecture 34: Barriers To Communication: Miscommunication
Lecture 35: Non-Verbal Communication: Pre-Thinking Assessment-1
Lecture 36: Non-Verbal Communication: Pre-Thinking Assessment-2

Week 7: Lecture 37: Nonverbal Communication: Introduction And Importance
Lecture 38: Non-Verbal Communication: Issues And Types
Lecture 39: Non-Verbal Communication: Basics And Universals
Lecture 40: Non-Verbal Communication: Interpreting Non-Verbal Cues
Lecture 41: Body Language: For Interviews
Lecture 42: Body Language: For Group Discussions

Week 8: Lecture 43: Presentation Skills: Overcoming Fear
Lecture 44: Presentation Skills: Becoming A Professional
Lecture 45: Presentation Skills: The Role Of Body Language
Lecture 46: Presentation Skills: Using Visuals
Lecture 47: Reading Skills: Effective Reading
Lecture 48: Human Relations: Developing Trust And Integrity

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(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

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Learning is Supreme Deity

Week 3: Lecture 13: Habits: Guiding Principles
Lecture 14: Habits: Identifying Good And Bad Habits
Lecture 15: Habits: Habit Cycle
Lecture 16: Breaking Bad Habits
Lecture 17: Using The Zeigarnik Effect For Productivity And Personal Growth
Lecture 18: Forming Habits Of Success

Week 4: Lecture 19: Communication: Significance Of Listening
Lecture 20:Communication: Active Listening
Lecture 21:Communication: Barriers To Active Listening
Lecture 22:Telephone Communication: Basic Telephone Skills
Lecture 23:Telephone Communication: Advanced Telephone Skills
Lecture 24: Telephone Communication: Essential Telephone Skills

Week 5: Lecture 25: Technology And Communication: Technological Personality
Lecture 26: Technology And Communication, Mobile Personality?
Lecture 27: Topic: Technology And Communication: E-Mail Principles
Lecture 28: Technology And Communication: How Not To Send E-Mails!
Lecture 29: Technology And Communication: Netiquette
Lecture 30: Technology And Communication: E-Mail Etiquette

Week 6: Lecture 31: Communication Skills: Effective Communication
Lecture 32: Barriers To Communication: Arising Out Of Sender/receiver's Personality
Lecture 33: Barriers To Communication: Interpersonal Transactions
Lecture 34: Barriers To Communication: Miscommunication
Lecture 35: Non-Verbal Communication: Pre-Thinking Assessment-1
Lecture 36: Non-Verbal Communication: Pre-Thinking Assessment-2

Week 7: Lecture 37: Nonverbal Communication: Introduction And Importance
Lecture 38: Non-Verbal Communication: Issues And Types
Lecture 39: Non-Verbal Communication: Basics And Universals
Lecture 40: Non-Verbal Communication: Interpreting Non-Verbal Clues
Lecture 41: Body Language: For Interviews
Lecture 42: Body Language: For Group Discussions

Week 8: Lecture 43: Presentation Skills: Overcoming Fear
Lecture 44: Presentation Skills: Becoming A Professional
Lecture 45: Presentation Skills: The Role Of Body Language
Lecture 46: Presentation Skills: Using Visuals
Lecture 47: Reading Skills: Effective Reading
Lecture 48: Human Relations: Developing Trust And Integrity

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	17A31A1230	Sajja Sri Sai Yashwitha

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	17A31A1230	Sajja Sri SaiYashwitha	Developing Soft Skills and Personality	Elite+Silver

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

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Roll No: NPTEL20HS43S82170197

To
SAJJA SRI SAI YASHWITHA
LIG-1/233,D NO 2-179 EAST GODAVARI
APHB COLONY LALACHERUVU NEAR VINAYAKA
TEMPLE
RAJAHMUNDRY
ANDHRA PRADESH - 533106
PH. NO :8179042366

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

SAJJA SRI SAI YASHWITHA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of 75 %

Online Assignments	23.17/25	Proctored Exam	51.44/75

Total number of candidates certified in this course: 8393

Prof. Rajesh M.Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Nov 2020
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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