A TWO-WEEK CERTIFICATE
PROGRAM
ON
Electric Vehicles
(8th – 24th December, 2021)

PRGATI ENGINEERING COLLEGE

Name:

Year & Sem:

Department:

Organisation:

Educational Qualification:
Address:

**Mobile
Number:**

B-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

Chief Patron
Dr. P. Krishna Rao
Chairman

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

Convener
Mrs. K. Sandhyarani
Head of the Department, EEE.

Coordinator
Mr. M. Mani Shankar
Assistant Professor, EEE.

For any enquiry contact:
Mobile No.
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)

A TWO-WEEK CERTIFICATE
PROGRAM
ON
Electric Vehicles
(8th – 24th December, 2021)

Organized by
Department of EEE

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 21" 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

Dr. A. Mohan Durga Kumar
Associate Professor, EEE,
Pragati Engineering College

Program Objectives

- A helpful solution to reduce oil consumption and air pollutant emissions where concerns about oil security and availability.
- Reduce negative environmental impact of petroleum-based transportation system increase.

Topics Covered

- Vehicle Dynamics.
- Vehicle Subsystems: EV Power-train
- Battery Charging and Swapping
- Alternative vehicle technologies
- Market introduction of electric vehicles to urban areas

Program Outcome

- Enhance the knowledge of students in Electric Vehicles
- Learn more about Electric vehicle technologies.

PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E G Dt, A P – 533 437
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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

Department of Electrical and Electronics Engineering

Date: 04/12/2021

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering, that **"A Two -Week Certificate Program on Electric Vehicles"** is going to be conducted from 08/12/2021 to 24/12/2021. All the interested students are requested to register their names in the department office on or before 07/12/2021. The details of the program will be available in the brochure.

All the interested students must attend the certificate program without fail on the above-mentioned dates.

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

HoD-EEE

Copy to:

1. Principal office
2. All Department HOD's
3. Dept. Notice board

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
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Near Pedic   )-533 437

PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem 1.14 Th. A.P. 533437

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with A Grade
(Recognized by U.G.C Under section 2(f) and 12(B) of U.G.C. act 1956)
Ph. 08852 - 252662, 63, Website: www.pragati.ac.in

List of Registered Students

Name of the Program: A Two-Week Certificate Program on Electric Vehicles

Duration: 08-12-2021 to 24/12/2021 (2 weeks)

A.Y: 2021-22

S.no	PIN Number	Name of the Student	Department	Signature
1.	18A31A0201	Gubbala Satya Meghana	EEE	
2.	18A31A0203	Kasilanka Sai Ramyakrishna	EEE	
3.	18A31A0204	Kola Sri Lakshmi Akanksha	EEE	
4.	18A31A0205	Koreddy Naga Durga	EEE	
5.	18A31A0206	Kothapalli Ganga Bhavani	EEE	
6.	18A31A0207	Medapati Sujatha	EEE	
7.	18A31A0208	Mendu Nikhita Satya Subbalakshmi	EEE	
8.	18A31A0213	Thota Sruthi	EEE	
9.	18A31A0214	Tripanagiri Srisumanpravarsha	EEE	
10	18A31A0215	Upadhyay Sakshee	EEE	
11	18A31A0219	Ainavelli Satish	EEE	
12	18A31A0220	Amalakanti Tarun Sai	EEE	
13	18A31A0221	Billakurti Bhanuprakash Reddy	EEE	
14	18A31A0222	Chaganti Janardhan Kamesh	EEE	
15	18A31A0223	Chilukuri Vara Prasad	EEE	
16	18A31A0224	Chirla Veerraghava Reddy	EEE	
17	18A31A0225	Chitikela Rajesh	EEE	
18	18A31A0227	Devarakonda Vamsi	EEE	
19	18A31A0228	Doddi Ram Mohan	EEE	
20	18A31A0229	Duggudurthi Lokesh	EEE	
21	18A31A0230	Grandhi Venkata Rama Lakshman	EEE	
22	18A31A0231	Gudapati Shyam Kumar	EEE	
23	18A31A0232	Kola Umar Satish Kumar	EEE	
24	18A31A0233	Kollapureddy Satya Nukesh	EEE	
25	18A31A0234	Kompella Aditya Sri Harsha	EEE	
26	18A31A0235	Kondapu Madhu	EEE	
27	18A31A0236	Kovvuri Chinna Venkata Reddy	EEE	
28	18A31A0237	Makineedi Akash	EEE	
29	18A31A0240	Naidani Vamsi	EEE	
30	18A31A0241	Nakka Sree Lakshmana Ramesh	EEE	
31	18A31A0242	Narla Surya Kiran	EEE	
32	18A31A0243	Pentakota Prasad	EEE	
33	18A31A0244	Pandiri Siva Sai Durga Anil Kumar	EEE	
34	18A31A0245	Peddada Satya Venkata Ganesh	EEE	
35	18A31A0246	Prasanth Kumar Sahu	EEE	
36	18A31A0250	Vasamsetty Sri Rama Krishna	EEE	

Program Coordinator

PRAGATI ENGINEERING COLLEGE
(Autonomous)
ADB Road, Surampalem, E G Dt A P 533 437
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(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act 1956)
Ph 08855 252111 14 Website www.pragati.ac.in

Date: 08/12/2021

Week/Day-wise Schedule

Name of the Program: "A Two-Week Certificate Program on Electric Vehicles"

S.No	Day	Date	Topics to be covered
1.	Wednesday	08/12/2021	Introduction to Electric Vehicles
2.	Thursday	09/12/2021	Overview of Electric Vehicles in India
3.	Friday	10/12/2021	Vehicle Dynamics
4.	Saturday	11/12/2021	Vehicle Subsystems: EV Power-train
5.	Monday	13/12/2021	Storage for EVs
6.	Tuesday	14/12/2021	Fundamentals of EV Battery Pack design
7.	Wednesday	15/12/2021	EV Motors and Controllers: Fundamentals and Design
8.	Thursday	16/12/2021	Vehicle Accessories
9.	Friday	17/12/2021	Battery Charging and Swapping, Electric vehicle charging within smart cities
10.	Saturday	18/12/2021	Plug-in hybrid electric vehicle
11.	Monday	20/12/2021	Alternative vehicle technologies
12.	Tuesday	21/12/2021	Fuel cell electric vehicles
13.	Wednesday	22/12/2021	Electric vehicle capitals – case studies
14.	Thursday	23/12/2021	Market introduction of electric vehicles to urban areas
15.	Friday	24/12/2021	Real time Applications of Electric Vehicle

Program Coordinator

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

PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on Electric Vehicles" A.Y: 2021-22

S.no	PIN Number	8/11/21	9/11/21	10/11/21	11/11/21	13/12/21	14/12/21	15/12/21	16/11/21	17/11/21	18/11/21	20/12/21	20/11/21	22/11/21	23/11/21	24/11	Feedback
1	18A31A0201	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A
2	18A31A0203	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	C
3	18A31A0204	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	B
4	18A31A0205	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
5	18A31A0206	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	B
6	18A31A0207	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
7	18A31A0208	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
8	18A31A0213	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	b
9	18A31A0214	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	a
10	18A31A0215	P	P	P	P	A	P	P	A	A	P	P	P	P	P	P	C
11	18A31A0219	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C
12	18A31A0220	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
13	18A31A0221	P	P	P	P	A	P	A	P	P	P	P	P	P	A	P	B
14	18A31A0222	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	D
15	18A31A0223	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	C
16	18A31A0224	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E
17	18A31A0225	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	A

Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on Electric Vehicles" A.Y: 2021-22

S.No	Roll No															
18	18A31A0227	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	B
19	18A31A0228	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
20	18A31A0229	A	P	P	P	P	P	P	P	A	P	P	A	P	P	P	C
21	18A31A0230	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	B
22	18A31A0231	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C
23	18A31A0232	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	D
24	18A31A0233	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	C
25	18A31A0234	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	D
26	18A31A0235	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	C
27	18A31A0236	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
28	18A31A0237	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	C
29	18A31A0240	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
30	18A31A0241	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	B
31	18A31A0242	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	D
32	18A31A0243	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	C
33	18A31A0244	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	A
34	18A31A0245	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	D
35	18A31A0246	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

*Name of the Program: "A Two-Week Certificate Program on Electric Vehicles"   A.Y: 2021-22

| 36 | 18A31A0250 | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A |

K.K. ......
Program Coordinator

PRINCIPAL
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1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.D. 180......

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

Learning is Supreme Deity

Feedback form

Date: 24|12|202

Department   : EEE

Academic Year   : 2021-22

Name of the Speaker   : Dr. A. Mohan Durga Kumar

Title of the Program   : Electric Vehicles

Duration   : 8|12|2021 to 24|12|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   : 4

3. Related to Subject   : 4

4. Is the Topic useful for career   : Yes/No

5. Suggestions if any   : ,

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Near Ped.

PRAGATI ENGINEERING COLLEGE

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Feedback form

Date: 24|12|2021

Department : EEE

Academic Year : 2021-22

Name of the Speaker : Dr. A. Mohan Durga Kumar

Title of the Program : Electric Vehicles

Duration : 8|12|2021 to 24|12|2021

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3. Related to Subject : 4

4. Is the Topic useful for career : Yes/No ✓

5. Suggestions if any :

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Ph: 08852- .... Website: www.pragati.ac.in

Date: 27/12/2021

PROGRAM REPORT

Name of the Program : "A Two-Week Certificate program on Electric Vehicles"

Date/Duration : December 8th – 24th, 2021, 15 days

Resource Person : Dr. A. Mohan Durga Kumar
Associate Professor, EEE, Pragati Engineering College
E-Mail ID: mohan.m@pragati.ac.in, Cell: 9701881436

Program Objective : The objective of this course is

❖ A helpful solution to reduce oil consumption and air pollutant emissions where concerns about oil security and availability.
❖ Reduce negative environmental impact of petroleum-based transportation system increase.

Topics Covered : The following topics are covered

- Vehicle Dynamics.
- Vehicle Subsystems: EV Power-train
- Battery Charging and Swapping
- Alternative vehicle technologies
- Market introduction of electric vehicles to urban areas

Program Outcome : By the end of the program, students would
❖ Enhance the knowledge of students in Electric Vehicles
❖ Learn more about Electric vehicle technologies.

Name of the Coordinator : Mr. M. Mani Shankar, Assistant Professor, EEE.

No of the Participants : 36

Program Coordinator

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

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on
Electric Vehicles
- Certificate of Participation -

This is to certify that Mr./Ms. ala Satya ghana has participated in a Two Week certificate Programme on "Electric Vehicles" organized by Department of Electrical and Electronics Engineering from 08-12-2021 to 24-12-2021

Mr. M. Mani Shankar
Coordinator

Dr. A han Durga Kumar
HoD - EEE

Dr. K. rayana
Principal

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on
Electric Vehicles
- Certificate of Participation -

This is to certify that Mr./Ms. Upadhyay Saketh has participated in a Two Week certificate Programme on "Electric Vehicles" organized by Department of Electrical and Electronics Engineering from 08-12-2021 to 24-12-2021

Mr. M. Mani Shankar
Coordinator

Dr. A. Mohan Durga Kumar
HoD - EEE

Dr. E. Satyanarayana
Principal

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

A TWO-WEEK CERTIFICATE
PROGRAM
ON
ARTIFICIAL INTELLIGENCE
TECHNIQUES IN POWER SYSTEMS

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

Chief Patron
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
Mr. K. V. Durga Prasad
Assistant Professor, EEE.

For any enquiry contact:
Mobile No:9000000
E-mail: hodeee@pragati.ac.in

Learning is Supreme Deity

A TWO-WEEK CERTIFICATE
PROGRAM
ON
ARTIFICIAL INTELLIGENCE
TECHNIQUES IN POWER SYSTEMS
(May 6th to 23rd, 2022)

Organized by
Department of EEE

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

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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, EEE
Pragati Engineering College

Program Objectives

- Monitoring of Power Systems with AI tools
- Applications in Power System Protection

Topics Covered

- Introduction of Artificial Intelligence Techniques with examples.
- Need and Tools used in AI Techniques in Power Systems
- Artificial Neural Networks
- Genetic Algorithm
- Expert System Techniques
- Neural Networks
- Current application of AI Tools

Program Outcome

- Enhance the knowledge of students in AI Techniques in Power systems
- Able to know the new technologies in AI

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

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Department of Electrical and Electronics Engineering

Date: 02/05/2022

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering, that "**A Two-Week Certificate Program on Artificial Intelligence Techniques in Power Systems**" is going to be conducted from 06/05/2022 to 23/05/2022. So, all the interested students are requested to register their names in the department office on or before 05/05/2022. The details of the program will be available in the brochure.

Venue: Room No: G3 (Ground floor)

HOD-EEE

EEE-HOD

Copy to:

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

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Ph 08857 - 252213, 14 Website: www.pragati.ac.in

Date: 05/05/2022

Week/Day-wise Schedule

Name of the Program: "A Two-Week Certificate Program on Artificial Intelligence Techniques in Power Systems"

S.No	Day	Date	Topics to be covered
1.	Friday	06/05/2022	Introduction of ARTIFICIAL INTELLICENCE Techniques with examples.
2.	Saturday	07/05/2022	Fundamentals of Power System Engineering:- Generation, Transmission, Distribution
3.	Monday	09/05/2022	Difficult problems arise in the area of Power System planning, operation, diagnosis and design.
4.	Tuesday	10/05/2022	Power System monitoring and protection.
5.	Wednesday	11/05/2022	Need of AI techniques in Power System and tools to be used.
6.	Thursday	12/05/2022	ARTIFICIAL NEURAL NETWORKS and its applications.
7.	Friday	13/05/2022	Expert System Techniques and its advantages and disadvantages
8.	Saturday	14/05/2022	FUZZY LOGIC systems, applications.
9.	Monday	16/05/2022	GENETIC ALGORITHM and its applications
10.	Tuesday	17/05/2022	Practical applications of AI Tools in Transmission Lines.
11.	Wednesday	18/05/2022	Practical applications of AI Tools in Power System Protection.
12.	Thursday	19/05/2022	Applications of AI tools in Smart Power Sector.
13.	Friday	20/05/2022	AI Business models in Engineering market.
14.	Saturday	21/05/2022	AI applications in Substation protection
15.	Monday	23/05/2022	AI methodologies in Machine Design learning.

Program Coordinator

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Ph: 08857 - 24551, 41 Website: www.pragati.ac.in

List of Registered Students

Name of the Program: "A Two-Week Certificate Program on Artificial Intelligence Techniques in Power Systems"

Duration: 06/05/2022 to 23/05/2022 (2 weeks)

A.Y: 2021-22

S.no	PIN Number	Name of the Student	Department	Signature
1	18A31A0251	Velpuri Manideep	EEE	V. Manideep
2	18A31A0252	Venkata Mani Teja Sunkara	EEE	
3	18A31A0254	Yejju Vamsi Krishna	EEE	G. Vamsi
4	18A31A0255	Yeturi Naga Surendra	EEE	Y. Nati
5	19A35A0201	Geddam Tulasi Swetha	EEE	T. Tulasi
6	19A35A0202	Vadaparthi Surya Kiranmai	EEE	V.S Kiranmai
7	19A35A0203	Amajala Sri Ram Pavan	EEE	A.S.R
8	19A35A0204	Garaga Satish	EEE	G. Satish
9	19A35A0206	Mudunuru Satya Sriram	EEE	M. satya sriram
10	19A35A0207	Patra Sai Kishore	EEE	P. Sai Kishore
11	19A35A0208	Seshapu Venkat	EEE	Venkat
12	18A31A0256	Arsha Zaheen	EEE	Zaheen
13	18A31A0257	Bandaru Satya Akhila	EEE	Satya Akhila
14	18A31A0258	Baruku Chandini	EEE	B. chandini
15	18A31A0259	Bathula Yasaswini Krishnasri	EEE	B. Yasaswini
16	18A31A0260	Chodisetti Anjani	EEE	C. Anjani
17	18A31A0261	Gowripattapu P D K Mahalakshmi	EEE	P.D.K Mahalakshmi
18	18A31A0262	Kondruthu Sambhavikavyanikitha	EEE	S. Nikitha
19	18A31A0263	Koppisetti Ramya	EEE	K. Ramya
20	18A31A0267	Marisetti Radha Lahari	EEE	M. Radha
21	18A31A0268	Narukula Harika	EEE	N. Harika
22	18A31A0275	Y Naga Lakshmi Pranathi	EEE	Y. N L Pranathi

Program Coordinator

PRAGATI ENGINEERING COLLEGE
Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on Artificial Intelligence Techniques in Power Systems"   A.Y: 2021-22

S. No	PIN Number	6/1/2	7/5/2	a/5/2	w/5/2	n/5/2	w/5/2	p/a/2	14/5/2	12/5/2	13/5/2	16/5/2	19/5	20/5/2	a/5/2	22/5	Feedback
1.	18A31A0251	P	P	P	P	A	P	P+	P	A	P	P	P	P	A	P	A
2.	18A31A0252	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P	A
3.	18A31A0254	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A
4.	18A31A0255	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P	c
5.	19A35A0201	P	?	P	P	A	P	P	A	P	P	P	P	P	A	P	-
6.	19A35A0202	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	-
7.	19A35A0203	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	-E
8.	19A35A0204	A	P	P	P	A	P	P	P	A	P	P	P	A	A	P	c
9.	19A35A0206	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
10	19A35A0207	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A	c
11	19A35A0208	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P	A
12	18A31A0256	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	R
13	18A31A0257	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	-
14	18A31A0258	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A
15	18A31A0259	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	A
16	18A31A0260	P	P	P	P	A	P	A	P	P	P	A	P	P	P	P	-
17	18A31A0261	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	-

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PRAGATI ENGINEERING COLLEGE

Day Wise Attendance Sheet

Name of the Program: "A Two-Week Certificate Program on Artificial Intelligence Techniques in Power Systems"   A.Y: 2021-22

18	18A31A0262	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A
19	18A31A0263	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A
20	18A31A0267	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	B
21	18A31A0268	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	C
22	18A31A0275	A	P	P	P	P	P	P	P	A	P	P	P	P	A	P	C

Program Coordinator

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Feedback form

Date: 23|3|22.

Department	: EEE
Academic Year	: 2021-22
Name of the Speaker	: D. Prakash Rao.
Title of the Program	: Artificial Intelligence Techniques in Power Systems.
Duration	: 6/5/2022 to 23/5/2022

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   : 5.

4. Is the Topic useful for career : Yes/No

5. Suggestions if any   : Good.

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Date: 25/05/2022

PROGRAM REPORT

Name of the Program : A Two-Week Certificate program on Artificial Intelligence

Techniques in Power Systems"

Date/Duration : May 6th to 23rd, 2022, 15 days

Resource Person : Mr. D. Prakash Rao

Assistant Professor, EEE

E-Mail ID: prakashrao.d@pragati.ac.in, Cell: 9866201153.

Program Objective : The objective of this course is

➢ Monitoring of Power Systems with AI tools
➢ Applications in Power System Protection.

Topics Covered : The following topics are covered

- Introduction of Artificial Intelligence Techniques with examples.
- Need and Tools used in AI Techniques in Power Systems
- Artificial Neural Networks
- Genetic Algorithm
- Expert System Techniques
- Neural Networks
- Current application of AI Tools.

Program Outcome : By the end of the program, students would
➢ Enhance the knowledge of students in AI Techniques in Power systems
➢ Able to know the new technologies in AI

Name of the Coordinator : Mr. K. V. Durga Prasad, 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

Artificial Intelligence Techniques in Power Systems
- Certificate of Participation -

This is to certify that Mr./Ms. Vulpurl Manideep has participated in a Two Week
certificate Program on "Artificial Intelligence Techniques in Power Systems"
organized by Department of Electrical and Electronics Engineering from
06/05/2022 to 23/05/2022

Mr. K. V. Durga Prasad
Coordinator

Dr A. Mohan Durga Kumar
HoD - EEE

Dr. K. Satyanarayana
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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Two Week Certificate Program on

Artificial Intelligence Techniques in Power Systems
- Certificate of Participation -

This is to certify that Mr./Ms. Venkata Mani Teja Sunkara has participated in a
Two Week certificate Program on "Artificial Intelligence Techniques in Power
Systems" organized by Department of Electrical and Electronics Engineering
from 06/05/2022 to 23/05/2022

Mr. K. V. Durga Prasad
Coordinator

Dr. A Mohan Durga Kumar
HoD - EEE

Dr. K. Satyanarayana
Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Surampalem,

Date:20-09-2021

CIRCULAR

It is to inform all the students of B.Tech II, III & IV year that the Department of Electronics and Communication Engineering is planning a one week Value Added Course ELECTRONICS OFFICE FOUNDATION in collaboration with APSSDC from 28-09-2021 to 08-10-2021. All the interested candidates can enroll their names with Mr. R V Simhadri, Asst. Professor, Department of Electronics and Communication Engineering on or before 25-09-2021. The number of participants to this course is limited, preference is based on first come first basis.

Venue: Civil Block Second floor APSSDC Electronics Office Lab

Copy to

Circulate among ECE Students and Faculty.

Dept. File.

ECE Notice Board

Principal for information.

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PROGRAM SCHEDULE
Topics Covered
DAY 1(6-HOURS)

Course Foundation:

Mr. T.SIVA has given a brief introduction about the Course Foundation and discussed the fundamentals of the basic components

The following points were highlighted:

- ➤ Basic Components Identification and Testing Practical.
- Introduction about Active Electronic Components
- Introduction about Passive Electronic Components
- Introduction about Basic Test and measurement Equipment
- Lab Session

DAY 2(6-HOURS)

Topic on Power supply systems: Mr. T.SIVA has discussed about the various power systems and its design

- ➤ Design and Construction of SMPS
- Explanation of Input stage
- Explanation of Switching section
- Explanation of output stage
- Explanation of Control unit
- Discussed about precautions, Merits & Demerits

Sufficient time is given for the students to practice

DAY 3(6-HOURS)

Topic on Installation: Mr. T.SIVA highlighted the following contents

- ➤ Install and maintenance of Office Equipment.
- Installation of various Office Equipment on the work bench
- Safety Precautions to be taken while working with Office Equipment
- Explaining the steps to maintain the Office Equipment in good condition
- Lab session

Sufficient time is given for the students to practice

Page 1of 2

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DAY 4(6-HOURS)

- ➤ *Computer System :* Mr. P.VAMSI *discussed the Assembling and Disassembling of Computer System*
- Basic connections of Computer System
- Hardware connections and Port Connections of Computer.
- Basic network connections
- Motherboard
- Lab session

Sufficient time is given for the students to practice

DAY 5(6-HOURS)

- ➤ *Installation :* Mr. P.VAMSI *discussed the Install and uninstall in application software in computer system*

- Basic Softwares of computer for Office Applications
- Software installation and installation.
- Lab session

Sufficient time is given for the students to practice

DAY 6(6-HOURS)

Projects with Arduino : Mr. P.VAMSI *discussed the Designing the Arduino projects*

- ➤ Design of Basic Arduino projects.
- Basic connections of Arduino
- Sensors and external devices of Arduino
- Basic Arduino programming
- Designing of basic Arduino projects
- Lab session

Sufficient time is given for the students to practice.

Co-ordinator

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COURSE OUTCOMES & OBJECTIVES

Outcome of the course

Student will be able to

- Have dedicated training courses for various disciplines across design, manufacturing, and maintenance. Get knowledge on Basic electronic circuits, softwares, tools, used for designing, manufacturing as well as marketing and maintaining the life cycle of the product.
- Work on research projects from Industry & Research Institutes, which would give ready exposure to Industry Practices.
- Have Industry ready training and will be capable of delivering the job right on day one in the Industry, upon recruitment.

Electronics Office Lab Objective:

To give hands on practice to students on basic and advanced controlling devices, protective devices and tools necessary for wiring in respective of different applications.

After completing this course, a student will be able to:

- Basic Components Identification and Testing Practical.
- Design and Construction of SMPS
- Install and maintenance of Office Equipments
- Assembling and Disassembling of Computer System
- Install and uninstall in application software in computer system
- Design of Basic Arduino projects..

Roles and Responsibilities of Lab Coordinator:

- Formation of student Batches
- Monitoring the work done by student batches and their regulatory to lab sessions.
- Motivating the students to learn various new technologies in Electronics engineering by considering this certification course as a platform

Resource Person details

Name : Mr.T.SIVA
Designation : APSSDC Trainer
Contact Details :
Ph.No : 9440756250

Name:Mr.P.VAMSI
Designation : APSSDC Trainer
Contact Details:
Ph:No: 8977596066

Co-ordinator

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D.No. 3-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

Student Enroll list

S.No	Roll No	Name of the Student	Signature
1	19A31A0476	Katuri Manasa sai	K. Manasa Sai
2	19A31A0478	K Venkata naga snehalatha	K.V.N. Shehalatha
3	19A31A0496	A B raghavendra satish	A.B. Satish
4	19A31A04A5	Komanduri Kalyanaraman	K. Kalyanram
5	19A31A04A8	Kuppila Uday kalyan	K. Uday Kalyan
6	19A31A04B1	M Sai shannmukh srinivas	M. Shanmukh
7	19A31A04B7	Nakka phanindra kumar	N. Phanindra
8	19A31A04C6	Vasa Nihaal	Vasa. Nihaal.
9	19A31A04C9	Anusuri A.divya	A. Anusri
10	19A31A04D1	C v venkata sri sai gayathri	C. Gayatri
11	19A31A04D2	Dekka Dekka aparna jaya sri	D. Aparna
12	19A31A04G6	Chundru Sushmanth naveen	Ch. Sushmanth
13	19A31A04G9	Duda Sriram	D. Sriram
14	19A31A04H0	Gali surya chandra satya sai	G. Sc Satya sai
15	19A31A04H2	Kaladi Siva hari babu	K.S. Hari Babu
16	19A31A04H3	Kolli Mahesh veer	K. Mahesh veer
17	19A31A04I1	Nallamilli Syam kumar	N. Syam kumar
18	19A31A04I8	Teki Ganesh	T. Ganesh
19	19A31A04J0	Vedula Narayana	V. Narayana
20	19A31A04J1	Yadagini Meher das	Y. Meher das
21	19A31B0409	Gadepalli Samyuktha	G. Samyuktha
22	19A31B0419	Pasupuleti Navya sri	P. Navya sri
23	19A31B0430	Vinjarapu Anitha	V. Anitha
24	20A35A0416	M Sai venkata manikanta	M. Sai manikta
25	20A35A0418	I Satya veera durga rajesh	I. Satya durga ra

Co-ordinator

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DEPARTMENT OF ECE
DAY WISE ATTENDANCE REPORT

Roll no	DAY-1 28-09-2021		DAY-2 29-09-2021		DAY-3 30-09-2021		DAY-4 04-10-2021		DAY-5 05-10-2021		DAY-6 08-10-2021	
	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
19A31A0476	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0478	P	P	P	P	P	P	P	A	P	P	P	P
19A31A0496	P	P	P	P	P	P	P	A	P	P	P	P
19A31A04A5	P	P	P	P	P	A	P	P	P	P	P	P
19A31A04A8	P	P	P	P	P	P	A	P	P	P	P	P
19A31A04B1	P	P	P	P	P	P	P	P	P	P	P	P
19A31A04B7	P	P	P	P	P	P	P	P	P	P	P	P
19A31A04C6	A	A	P	P	P	P	P	P	P	P	P	P
19A31A04C9	A	A	P	P	P	P	P	P	P	P	P	P
19A31A04D1	A	A	P	P	P	P	P	P	P	P	P	P
19A31A04D2	P	P	P	P	P	P	P	P	P	P	P	P
19A31A04G6	P	P	P	P	A	A	P	P	P	P	P	P
19A31A04G9	P	P	P	P	P	P	A	A	P	P	P	P
19A31A04H0	P	P	P	P	P	P	A	A	P	P	P	P
19A31A04H2	P	P	P	P	P	P	P	P	P	P	A	P
19A31A04H3	A	A	P	P	P	P	P	P	P	P	P	P
19A31A04I1	P	P	P	P	A	A	P	P	P	P	P	P
19A31A04I8	P	P	P	P	P	P	P	A	P	P	P	P
19A31A04J0	P	P	P	P	P	P	P	A	P	P	P	P
19A31A04J1	P	P	P	P	P	P	P	P	P	P	P	P
19A31B0409	P	P	P	P	P	P	P	P	P	P	P	P
19A31B0419	A	A	P	P	P	P	P	P	P	P	P	P
19A31B0430	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0416	P	P	P	P	A	A	P	P	P	P	P	P
19A35A0418	P	P	P	P	P	P	P	P	P	P	P	P

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Attendance Report

S.no	Roll no	Classes conducted	Classes Attended
1	19A31A0476	36	36
2	19A31A0478	36	34
3	19A31A0496	36	34
4	19A31A04A5	36	33
5	19A31A04A8	36	34
6	19A31A04B1	36	35
7	19A31A04B7	36	36
8	19A31A04C6	36	31
9	19A31A04C9	36	30
10	19A31A04D1	36	32
11	19A31A04D2	36	35
12	19A31A04G6	36	30
13	19A31A04G9	36	32
14	19A31A04H0	36	32
15	19A31A04H2	36	34
16	19A31A04H3	36	30
17	19A31A04I1	36	31
18	19A31A04I8	36	34
19	19A31A04J0	36	33
20	19A31A04J1	36	36
21	19A31B0409	36	36
22	19A31B0419	36	30
23	19A31B0430	36	35
24	20A35A0416	36	32
25	20A35A0418	36	36

PRINCIPAL Coordinator
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APSSDC-TSDI-Electronics Office LAB – *FEEDBACK*

Date:08-10-2021

DEPARTMENT : Electronics & Communication Engineering

ACADEMIC YEAR :2021-2022

Name of the speaker :Mr. T.SIVA and Mr.P.VAMSI

Title of Training Program :" Electronics Home Lab".

Date / Venue : 28-09-2021 to 08-10-2021/ Electronics Office 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: 5

2   Method of Delivery: 4

3   Related to Subject: 4

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

5   Suggestions if any: Need More lab sessions.

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

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

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

Learning is Supreme Deity

Report on Value Added Course "Electronics Office Foundation"

Date: 19-10-2021

Resource Person Details

Name:	Mr. T.SIVA
Designation:	APSSDC Trainer
Contact Details:	+91 9440756250
Name:	Mr. P.VAMSI
Designation:	APSSDC Trainer
Contact Details:	+91 8977596066

Department of Electronics and Communication Engineering organized a one week Value Added Course on "Electronics Office Foundation" from 28-09-2021 to 08-10-2021 in Collaboration with APSSDC. The expert from the APSSDC explained various concepts of Electronics Office Foundation related aspects and gave practical lab sessions.

The Expert Mr. T.SIVA, Trainer, APSSDC mainly focus on the following contents on first 3 days

DAY-1, Topics covered - Basic Components Identification and Testing and gave Introduction about Active Electronic Components, Passive Electronic Components, Basic Test and measurement Equipment and in the afternoon session Sufficient time is given for the students to practice.

DAY-2, Topics covered - Design and Construction of SMPS and gave Explanation of Input stage, Switching section, output stage, Control unit and Discussed about precautions, Merits & Demerits and in the afternoon session Sufficient time is given for the students to practice.
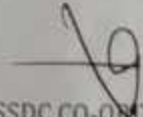
DAY-3, Topics covered - Install and maintenance of Office equipments ,Explained the Installation of various Office equipments on the work bench and Safety Precautions to be taken while working with Office equipments and Explained the steps to maintain the Office equipments in good condition and in the afternoon session Sufficient time is given for the students to practice.

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The Expert Trainer Mr.P.VAMSI, mainly focus on the following contents on the next 3 days

DAY-4, Topics covered - Basic connections of Computer System and Hardware connections and Port Connections of Computer,Basic network connections and Motherboard and in the afternoon session Sufficient time is given for the students to practice.

DAY-5, Topics covered - Basic Softwares of computer for Office Applications,Software installation and installation and in the afternoon session Sufficient time is given for the students to practice.

DAY-6, Topics covered - Design of Basic Arduino projects and basic connections of Arduino ,Sensors and external devices of Arduino ,basic Arduino programming,designing of basic Arduino projects and in the afternoon session Sufficient time is given for the students to practice.

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DAY-5, Topics covered - Basic Softwares of computer for Office Applications,Software installation and installation and in the afternoon session Sufficient time is given for the students to practice.

DAY-6, Topics covered - Design of Basic Arduino projects and basic connections of Arduino ,Sensors and external devices of Arduino ,basic Arduino programming,designing of basic Arduino projects and in the afternoon session Sufficient time is given for the students to practice.

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This is to Certify that Mr./Ms./Mrs...... Katuri Manasa sai...

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has successfully completed the course in .... Electronics Office- Foundation ....

conducted at APSSDC SIEMENS technical Skill Development Institute (t-SDI)

Pragati Engineering College,Surampalem
....

from ...... 28-09-21 .... to 08-10-21

Smt. Bharathi.H
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APSSDC

Sri N. Bangara Raju
Managing Director,
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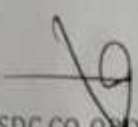General Manager (Technical),
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This is to Certify that Mr./Ms./Mrs.....Komanduri.Kalyanaraman.............................

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This is to Certify that Mr./Ms./Mrs..... Malyala Sai shanmukh srinivas ....

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This is to Certify that Mr./Ms./Mrs....Anusuri A.divya................................

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This is to Certify that Mr./Ms./Mrs..... Vasa Nihaal

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This is to Certify that Mr./Ms./Mrs......Challa.Challa.veera.venkata.sri.sai.gayathri.........................

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This is to Certify that Mr./Ms./Mrs......Dekka.Dekka.aparna.jaya.sri................

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This is to Certify that Mr./Ms./Mrs.....Chundru Sushmanth naveen......

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This is to Certify that Mr./Ms./Mrs.....Duda Sriram..

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This is to Certify that Mr./Ms./Mrs.....Gali.Gali.surya.chandra.satya.sai.....................................

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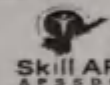Smt. Bharathi.H
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This is to Certify that Mr./Ms./Mrs.....Kaladi.Siva.hari.babu...

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This is to Certify that Mr./Ms./Mrs......Kolli Maheshwari...

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This is to Certify that Mr./Ms./Mrs......Nallamilli Syam kumar...........................

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This is to Certify that Mr./Ms./Mrs......Teki.Ganesh..........................

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This is to Certify that Mr./Ms./Mrs......Vedula Narayana..............................

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This is to Certify that Mr./Ms./Mrs. Pasupuleti Navya sri

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This is to Certify that Mr./Ms./Mrs.....Mallipudi Sai venkata manikanta.........................

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This is to Certify that Mr./Ms./Mrs...... Inumarthi.Satya.veera.durga.rajesh ....

Student of ....Pragati Engineering College,Surampalem...

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Surampalem,

Date:19-10-2021

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It is to inform all the students of B.Tech II,III & IVyear that the Department of Electronics and Communication Engineering is planning a one week Value Added Course ELECTRONICS HOME FOUNDATION in collaboration with APSSDC from26-10-2021to 02-11-2021. All the interested candidates can enroll their names with Mr.R V Simhadri, Asst.Professor, Department of Electronics and Communication Engineering on or before 23-10-2021. The number of participants to this course is limited, preference is based on first come first basis.

Venue: Civil Block Second floor APSSDC Electronics Home Lab

Sailaja. V

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Circulate among ECE Students and Faculty.
Dept. File.
ECE Notice Board
Principal for information.

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

Student Enroll list

S.No	Roll No	Name of the Student	Signature
1	19A31A0401	Adari Tulasi Sravani	A. Tulasi sravani
2	19A31A0429	Varadasatya Mahalakshmi	V. Mahalakshmi
3	19A31A0433	Chalikihemanth	Ch. Hemanth
4	19A31A0437	DManikanta Pavana Saket	D.M.P. Saket
5	19A31A0452	Mohammad Md.S.Rehaman	M. Rehaman
6	19A31A0457	Shaikjaheer Azam	Shaikjaheer
7	19A31A0463	Vemulabhavani Prasad	V. Prasad
8	19A31A04D7	Karri Saron Roja	K. S. Roja
9	19A31A04E0	Kurrabhaskara Ramathulasi	K. Ramathulasi
10	19A31A04E4	Pithanijeevana Kumari	p. Kumari
11	19A31A04F1	Sathishanmita Ishwarya Devi	Devi
12	19A31A04F2	Savitala Sri Vidya	S. Sri vidya
13	19A31A04G2	Bonthukiran Babu	B. Kiran babu
14	19A31A04I5	Rayudu Sampath Kumar	R. Sampath Kumar
15	19A31A04I6	Shaik Fareed	Sk Fareed
16	20A35A0415	Alladisanthi Kiran	A. Kiran
17	20A35A0417	Velamuri Samuel Paul	V. Paul

Co-ordinator

DEPARTMENT OF ECE
DAY WISE ATTENDANCE REPORT

S.no	Roll no	DAY-1 26-10-2021		DAY-2 27-10-2021		DAY-3 28-10-2021		DAY-4 29-10-20211		DAY-5 01-11-2021		DAY-6 02-11-2021	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	19A31A0401	P	P	P	P	P	P	P	P	A	P	P	P
2	19A31A0429	P	P	P	P	P	P	A	A	P	P	P	P
3	19A31A0433	P	P	P	P	P	P	P	P	P	P	P	P
4	19A31A0437	P	P	P	P	A	A	P	P	P	P	P	P
5	19A31A0452	P	P	P	P	A	A	P	P	P	P	P	P
6	19A31A0457	P	P	P	P	P	P	P	P	P	P	A	P
7	19A31A0463	A	P	P	P	P	P	P	P	P	P	P	P
8	19A31A04D7	P	P	P	P	P	P	P	P	P	P	P	P
9	19A31A04E0	P	P	P	P	P	P	P	P	P	P	P	P
10	19A31A04E4	P	P	P	P	P	P	P	P	P	P	P	P
11	19A31A04F1	P	A	P	P	P	P	P	P	P	P	P	P
12	19A31A04F2	P	A	P	P	P	P	P	P	P	P	P	P
13	19A31A04G2	P	P	P	P	A	A	P	P	P	P	P	P
14	19A31A04I5	P	P	P	P	A	A	P	P	P	P	P	P
15	19A31A04I6	P	P	P	P	P	P	P	P	P	P	P	P
16	20A35A0415	P	P	P	P	P	P	A	A	P	P	P	P
	20A35A0417	A	A	P	P	P	P	P	P	P	P	P	P

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Attendance report

S.no	Roll no	Classes conducted	Classes Attended
1	19A31A0401	36	34
2	19A31A0429	36	29
3	19A31A0433	36	36
4	19A31A0437	36	32
5	19A31A0452	36	31
6	19A31A0457	36	33
7	19A31A0463	36	33
8	19A31A04D7	36	35
9	19A31A04E0	36	36
10	19A31A04E4	36	36
11	19A31A04F1	36	33
12	19A31A04F2	36	33
13	19A31A04G2	36	30
14	19A31A04I5	36	32
15	19A31A04I6	36	33
16	20A35A0415	36	30
17	20A35A0417	36	31

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APSSDC-TSDI-Electronics Home LAB –*FEEDBACK*

Date:02-11-2021

DEPARTMENT : Electronics & Communication Engineering

ACADEMIC YEAR :2021-2022

Name of the speaker :Mr.T.SIVA and Mr.P.VAMSI

Title of Training Program :"Electronics Home Lab".

Date / Venue :26-10-2021 to 02-11-2021/ Electronics Home 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: 5

2   Method of Delivery: 4

3   Related to Subject: 4

4   Is the Topic useful for career: YES/NO

5   Suggestions if any: More Sessions like this.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Surampalem,
Date:10-12-2021

CIRCULAR

It is to inform all the students of B.Tech II,III & IV year that the Department of Electronics and Communication Engineering is planning a one week Value Added Course ELECTRONICS HOME FOUNDATION in collaboration with APSSDC from18-12-2021to 29-12-2021. All the interested candidates can enroll their names with Mr.R V Simhadri, Asst.Professor, Department of Electronics and Communication Engineering on or before 15-12-2021. The number of participants to this course is limited, preference is based on first come first basis.

Venue: Civil Block Second floor APSSDC Electronics Home Lab

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PROGRAM SCHEDULE
Topics Covered
DAY 1(6-HOURS)

Course Foundation:

Mr. T.SIVA has given a brief introduction about the Course Foundation and discussed the fundamentals of the basic components

The following points were highlighted:

> ➤ Basic Components Identification and Testing Practical.
> - Introduction about Active Electronic Components
> - Introduction about Passive Electronic Components
> - Introduction about Basic Test and measurement Equipment
> - Lab Session

DAY 2(6-HOURS)

Topic on Power supply systems: Mr. T.SIVA has discussed about the various power systems and its design

> ➤ Design and Construction of SMPS
> - Explanation of Input stage
> - Explanation of Switching section
> - Explanation of output stage
> - Explanation of Control unit
> - Discussed about precautions, Merits & Demerits

Sufficient time is given for the students to practice

DAY 3(6-HOURS)

Topic on Installation: Mr. T.SIVA highlighted the following contents

> ➤ Install and maintenance of Home Appliances
> - Installation of various home appliances on the work bench
> - Safety Precautions to be taken while working with home appliances
> - Explaining the steps to maintain the home appliances in good condition
> - Lab session

Sufficient time is given for the students to practice

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DAY 4(6-HOURS)

Projects with Arduino : Mr. P.VAMSI discussed the Designing the Arduino projects

- ➤ Design of Basic Arduino projects.
- Basic connections of Arduino
- Sensors and external devices of Arduino
- Basic Arduino programming
- Designing of basic Arduino projects
- Lab session

Sufficient time is given for the students to practice

DAY 5(6-HOURS)

IOT Projects : Mr. P.VAMSI discussed the Designing of IOT projects

- ➤ Design of Basic IOT projects
- Basic connections of IOT
- Sensors and Internet connections of IOT
- Basic programming required for IOT
- Designing of basic IOT projects
- Lab session
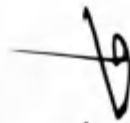
Sufficient time is given for the students to practice

DAY 6(6-HOURS)

Microcontroller Projects : Mr. P.VAMSI discussed the Designing of Microcontroller projects

- ➤ Design of Basic Micro controller projects
  - Basic connections of Micro Controller
  - Sensors and External Devices of Micro Controller
  - Basic programming required for Micro Controller
  - Designing of basic Micro Controller projects
  - Lab session

Sufficient time is given for the students to practice

Co-ordinator

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COURSE OUTCOMES & OBJECTIVES

Outcome of the course

Student will be able to

- Have dedicated training courses for various disciplines across design, manufacturing, and maintenance. Get knowledge on Basic electronic circuits, softwares, tools, used for designing, manufacturing as well as marketing and maintaining the life cycle of the product.
- Work on research projects from Industry & Research Institutes, which would give ready exposure to Industry Practices.
- Have Industry ready training and will be capable of delivering the job right on day one in the Industry, upon recruitment.

Electronics Home Lab Objective:

To give hands on practice to students on basic and advanced controlling devices, protective devices and tools necessary for wiring in respective of different applications.

After completing this course, a student will be able to:

- Basic Components Identification and Testing Practical.
- Design and Construction of SMPS
- Install and maintenance of Home Appliances
- Design of Basic Arduino projects.
- Design of Basic IOT projects
- Design of Basic Microcontroller projects.

Roles and Responsibilities of Lab Coordinator:

- Formation of student Batches
- Monitoring the work done by student batches and their regulatory to lab sessions.
- Motivating the students to learn various new technologies in Electronics engineering by considering this certification course as a platform

Resource Persons details

Name : Mr.T.SIVA
Designation : APSSDC Trainer
Contact Details :
Ph.No : 9440756250

Name:Mr.P.VAMSI
Designation : APSSDC Trainer
Contact Details:
Ph:No: 8977596066

Co-ordinator

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Student Enroll list

S.No	Roll No	Name of the Student	Signature
1	20A31A0406	Garapati Devi posi lakshmi bhavani	
2	20A31A0417	Medisetti Nandini	
3	20A31A0447	Mohammed Zameel ali	
4	20A31A0455	Ramisetti Sri harsha	
5	20A31A0459	Tummala Devi veera prasad	
6	20A31A0482	Moyilla Bhagya rama adi lakshmi	
7	20A31A0485	Palukuri Anusha	
8	20A31A0497	Chilla Kishore hari veera	
9	20A31A04B9	Polisetti Vijay subhash	
10	20A31A04D4	Gangadhara Sripriya	
11	20A31A04E9	Taduvayi Anantha sri lakshmi	
12	20A31A04F1	Tekumudi Veera siva naga jyothi	
13	20A31A04F8	Bunga Prasanth kumar	
14	20A31A04F9	Chereddy Prathap reddy	
15	20A31A04K5	Pidugu Jaya venkata satya sridevi	
16	20A31A04K6	Pilli Lahari	
17	20A31A04M8	Malipeddi Mohan sai prashanth	
18	20A31A04O1	Tadi Satya ravi kiran reddy	
19	20A31A04O2	Setti Gangadhar	
20	20A31A04Q3	Penke Srujana	
21	20A31A04Q8	Sangisetti Sirisha	
22	20A31A04R0	Tarra Ramya devi	
23	20A31A04R6	Bolem Nookanna patrudu	
24	20A31A04R7	Chenna Raghava nandu	

Co-ordinator

DAY WISE ATTENDANCE REPORT

S.no	Roll no	DAY-1 18-12-2021 FN	AN	DAY-2 20-12-2021 FN	AN	DAY-3 21-12-2021 FN	AN	DAY-4 22-12-2021 FN	AN	DAY-5 27-12-2021 FN	AN	DAY-6 29-12-2021 FN	AN
1	20A31A0406	P	P	P	P	P	P	P	P	P	A	P	P
2	20A31A0417	P	P	P	P	P	P	P	P	P	P	A	P
3	20A31A0447	P	P	P	P	P	P	P	P	P	P	P	P
4	20A31A0455	P	P	P	P	P	P	P	P	A	P	P	P
5	20A31A0459	P	P	P	P	P	P	P	P	A	P	P	P
6	20A31A0482	P	P	P	P	A	A	P	P	P	P	P	P
7	20A31A0485	P	P	P	P	P	P	P	P	A	A	P	P
8	20A31A0497	P	P	P	A	P	P	P	P	P	P	P	P
9	20A31A04B9	P	P	P	P	P	P	P	P	P	P	P	P
10	20A31A04D4	P	P	P	P	P	P	P	P	P	P	P	P
11	20A31A04E9	P	P	P	P	P	P	P	P	P	P	P	P
12	20A31A04F1	P	P	P	P	P	P	P	P	P	P	P	P
13	20A31A04F8	P	P	P	P	P	P	P	P	P	P	P	P
14	20A31A04F9	P	P	P	A	P	P	P	P	P	P	P	P
15	20A31A04K5	P	P	P	P	P	P	A	P	P	P	P	P
16	20A31A04K6	P	P	P	P	P	P	P	P	P	P	P	P
17	20A31A04M8	P	P	P	P	A	A	P	P	P	P	P	P
18	20A31A04O1	P	P	P	P	P	P	P	P	P	P	A	A
19	20A31A04O2	P	P	P	P	P	P	P	P	A	A	P	P
20	20A31A04Q3	P	P	P	P	P	P	A	A	P	P	P	P
21	20A31A04Q8	P	P	P	P	A	A	P	P	P	P	P	P
22	20A31A04R0	A	A	P	P	P	P	P	P	P	P	P	P
23	20A31A04R6	P	P	P	P	P	P	A	A	P	P	P	P
	20A31A04R7	P	P	P	P	P	P	P	P	P	P	A	A

co-ordinator

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D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

Attendance Report

S.no	Roll no	Classes conducted	Classes Attended
1	20A31A0406	36	31
2	20A31A0417	36	34
3	20A31A0447	36	36
4	20A31A0455	36	33
5	20A31A0459	36	33
6	20A31A0482	36	31
7	20A31A0485	36	31
8	20A31A0497	36	34
9	20A31A04B9	36	36
10	20A31A04D4	36	36
11	20A31A04E9	36	36
12	20A31A04F1	36	36
13	20A31A04F8	36	36
14	20A31A04F9	36	34
15	20A31A04K5	36	33
16	20A31A04K6	36	33
17	20A31A04M8	36	30
18	20A31A04O1	36	30
19	20A31A04O2	36	31
20	20A31A04Q3	36	32
21	20A31A04Q8	36	33
22	20A31A04R0	36	30
23	20A31A04R6	36	31
24	20A31A04R7	36	30

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APSSDC-TSDI-Electronics Home LAB –_FEEDBACK_

Date:29-12-2021

DEPARTMENT : Electronics & Communication Engineering

ACADEMIC YEAR :2021-2022

Name of the speaker :Mr.T.SIVA and Mr.P.VAMSI

Title of Training Program :"Electronics Home Lab".

Date / Venue :18-12-2021 to 29-12-2021/ Electronics Home 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: 5

2   Method of Delivery: 5

3   Related to Subject: 5

4   Is the Topic useful for career: YES/NO

5   Suggestions if any: Good

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Report on Value Added Course "Electronics Home Foundation"

Date:30-12-2021

Resource Person Details

Name:	Mr. T.SIVA
Designation:	APSSDC Trainer
Contact Details:	+91 9440756250
Name:	Mr.P.VAMSI
Designation:	APSSDC Trainer
Contact Details:	+91 8977596066

Department of Electronics and Communication Engineering organized aone week Value Added Course on "Electronics Home Foundation" three Batches with 2 different time slots in Collaboration with APSSDC as fallows.The expert from the APSSDC explained various concepts of Electronics Home Foundation related aspects and gave practical lab sessions.

S.No	Batch	No. of Students Attended	Slot
1	1	17	26-10-2021 to 02-11-2021
2	2	24	18-12-2021 to 29-12-2021

The Expert Mr.T.SIVA, Trainer, APSSDC mainly focus on the following contents on first 3 days

DAY-1,Topics covered- Basic Components. Identification and Testing

The trainer gaveintroduction about active electronic components, passive electronic components, basic test and measurement equipment and in the afternoon session sufficient time is given for the students to practice.

DAY-2,Topics covered- Design and Construction of SMPS

The trainer gave explanation of input stage, switching section,output stage,control unit and discussed about precautions, merits & demeritsand in the afternoon session sufficient time is given for the students to practice.

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DAY-3, Topics covered- Install and maintenance of Home Appliances

The trainer explained the installation of various home appliances on the work bench and safety precautions to be taken while working with home appliances and explained the steps to maintain the home appliances in good condition and in the afternoon session sufficient time is given for the students to practice.

The Expert Trainer Mr.P.VAMSI, mainly focus on the following contents on the next 3 days

DAY-4, Topics covered-Design of Basic Arduino projects

The trainer explained basic connections of Arduino,Sensors and external devices of Arduino,basic Arduino programming, designing of basic Arduino projectsand in the afternoon session Sufficient time is given for the students to practice.

DAY-5, Topics covered-Design of Basic IOT projects

The trainer explained basic connections of IOT,Sensors and Softwares of IOT,basic programming,designing of basic IOT projectsand in the afternoon session sufficient time is given for the students to practice.

DAY-6, Topics covered-Design of Basic Microcontroller projects

The trainer explained basic connections of Microcontroller,Sensors and external devices of Microcontroller,basic Microcontrollerprogramming,designing of basic Microcontroller projectsand in the afternoon session Sufficient time is given for the students to practice.

APSSDC CO-ORDINATROR

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Cert. No.   S-21/7285

This is to Certify that Mr./Ms./Mrs...... Varada Satya mahalakshmi ....

Student of .... Pragati Engineering College, Surampalem ....

has successfully completed the course in ...... Electronics Home Foundation ....

conducted at APSSDC SIEMENS technical Skill Development Institute (t-SDI)
Pragati Engineering College, Surampalem ....

from .. 26-10-2021 .... to ...... 02-11-21 ....

Smt. Bharathi.H
General Manager (Technical),
APSSDC

Sri N. Bangara Raju
Managing Director,
APSSDC

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This is to Certify that Mr./Ms./Mrs......Chaliki Hemanth...

Student of ....Pragati Engineering College,Surampalem...

has successfully completed the course in ......Electronics Home Foundation...............................

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Pragati Engineering College,Surampalem..

from ....26-10-2021.............to........02-11-21...............

Smt. Bharathi.H
General Manager (Technical)
APSSDC

Sri N. Bangara Raju
Managing Director,
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This is to Certify that Mr./Ms./Mrs......Devarakonda Manikanta pavana saket............................

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has successfully completed the course in ....Electronics Home Foundation.................................

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..........Pragati Engineering College,Surampalem...

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This is to Certify that Mr./Ms./Mrs.....Mohammad.Md.s.rehaman..

Student of ....Pragati Engineering College,Surampalem..

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This is to Certify that Mr./Ms./Mrs......Shaik Jaheer azam...

Student of ....Pragati Engineering College,Surampalem.......................................

has successfully completed the course in ....Electronics Home Foundation.....................

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This is to Certify that Mr./Ms./Mrs......Vemula Bhavani.prasad......................................

Student of ....Pragati Engineering College,Surampalem...

has successfully completed the course in ....Electronics Home Foundation..................

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.........Pragati Engineering College,Surampalem...

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Hbharathi

Smt. Bharathi.H
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N.Bangara Raju (signature)

Sri N. Bangara Raju
Managing Director,
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This is to Certify that Mr./Ms./Mrs......Karri.Saron.roja.....................................

Student of ....Pragati Engineering College,Surampalem.....................................

has successfully completed the course in ....Electronics Home Foundation...............................

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This is to Certify that Mr./Ms./Mrs.....Kurra Bhaskara ramathulasi.................................

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This is to Certify that Mr./Ms./Mrs...... Pithani Jeevana kumari ....

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has successfully completed the course in .... Electronics Home Foundation ....

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Managing Director,
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This is to Certify that Mr./Ms./Mrs......Sathi Shanmita ishwarya devi.......................................

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This is to Certify that Mr./Ms./Mrs......Savitala.Sri.vidya...

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This is to Certify that Mr./Ms./Mrs......Bonthu.Kiran.babu...

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Cert. No.   S-21/7267

This is to Certify that Mr./Ms./Mrs. Rayudu Sampath kumar

Student of Pragati Engineering College,Surampalem

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This is to Certify that Mr./Ms./Mrs.....Shaik Fareed...

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This is to Certify that Mr./Ms./Mrs.....Alladi.Santhi.kiran..................................

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This is to Certify that   Mr./Ms./Mrs. ..... Velamuri Samuel paul ....

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This is to Certify that Mr./Ms./Mrs. Garapati Devi posi lakshmi bhavani

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This is to Certify that Mr./Ms./Mrs. Medisetti Nandini

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This is to Certify that Mr./Ms./Mrs. Mohammed Zameel ali

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This is to Certify that Mr./Ms./Mrs. Tummala Devi veera prasad

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This is to Certify that Mr./Ms./Mrs. Bunga Prasanth kumar

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This is to Certify that Mr./Ms./Mrs.....Chereddy Prathap reddy..............................

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This is to Certify that Mr./Ms./Mrs. ...... Pidugu Jaya venkata satya sridevi ......

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This is to Certify that Mr./Ms./Mrs. Malipeddi Mohan sai prashanth

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Managing Director,
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This is to Certify that Mr./Ms./Mrs.....Tadi Satya ravi kiran reddy......................................

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This is to Certify that Mr./Ms./Mrs. Setti Gangadhar

Student of Pragathi Engineering college, Surampalem

has successfully completed the course in Electronics-Home-Foundation

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Cert. No.   S-21/11032

This is to Certify that Mr./Ms./Mrs.... Penke Srujana ....

Student of ....Pragathi Engineering college, Surampalem...

has successfully completed the course in .....Electronics-Home-Foundation....................................

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from ....18-12-21................. to ....29-12-21................

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Cert. No.   S-21/11029

This is to Certify that Mr./Ms./Mrs......Sangisetti Sirisha......

Student of ......Pragathi Engineering college, Surampalem......

has successfully completed the course in ......Electronics-Home-Foundation......

conducted at APSSDC SIEMENS CENTER......

Pragathi Engineering College, Surampalem

from ....18-12-21.......... to ....29-12-21..........

Smt. Bharathi.H
General Manager (Technical)
APSSDC

Sri N. Bangara Raju
Managing Director,
APSSDC

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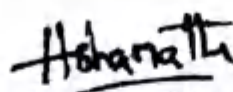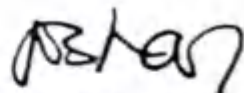
Certificate

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Cert. No.   S-21/11023

This is to Certify that Mr./Ms./Mrs......Tarra Ramya devi......

Student of ......Pragathi Engineering college, Surampalem......

has successfully completed the course in ......Electronics-Home-Foundation......

conducted at APSSDC SIEMENS CENTER......

Pragathi Engineering College, Surampalem

from ......18-12-21...... to ......29-12-21......

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General Manager (Technical),
APSSDC

Sri N. Bangara Raju
Managing Director,
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SURAMPALEM

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Certificate

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Ingenuity for life

Cert. No. S-21/11036

This is to Certify that Mr./Ms./Mrs. Bolem Nookanna patrudu

Student of Pragathi Engineering college, Surampalem

has successfully completed the course in Electronics-Home-Foundation

conducted at APSSDC SIEMENS CENTER

Pragathi Engineering College, Surampalem

from 18-12-21 to 29-12-21

Smt. Bharathi.H
General Manager (Technical),
APSSDC

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

Sri N. Bangara Raju
Managing Director,
APSSDC

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
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Certificate

SIEMENS
Ingenuity for life

Cert. No.   S-21/11026

This is to Certify that Mr./Ms./Mrs. ...... Chenna Raghava nandu ....

Student of ...... Pragathi Engineering college, Surampalem ....

has successfully completed the course in ...... Electronics-Home-Foundation ....

conducted at APSSDC SIEMENS CENTER ....

Pragathi Engineering College, Surampalem ....

from .... 18-12-21 .... to .... 29-12-21 ....

Smt. Bharathi.H
General Manager (Technical),
APSSDC

Sri N. Bangara Raju
Managing Director,
APSSDC

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Date: 07-09-2021

CIRCULAR

It is here by informed to all the students of III B.Tech CSE, that there will be an Add On Course going to conducted in the college in collaboration with APSSDC as per the below schedule during this semester.

Name of the Course: **Machine Learning Using Python**

Name of the Faculty: 1.Ms. Sidhodana

2. Mr.M.S.V.V Ramesh

Start Date: 14/09/2021

End Date: 25/09/2021

Venue: Marvin Minsky Lab

Interested students are required to get enrolled in this course through their class teacher on or before 11-09-2021.

HOD-CSE

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Online Training Programs

CSE / IT / ECE / EEE / EIE / ECM / OTHER

1. Android Application Development
2. Source Code Management Using Git & Github
3. Web designing Using React JS
4. Data Analysis Using Python
5. Machine Learning Using Python
6. AWS Cloud Computing
7. Basics of Linux and Shell Scripting
8. Game Design Using Buildbox
9. Web development Using Django
10. Python Programming
11. Cyber Security

12. Internet of Things (IoT)
13. Embedded Systems
14. PCB Designing
15. Fundamentals of Drone Technology
16. SciLab
17. Industrial Automation With PLC
18. Productivity of Enhancement Tools
19. Game Design Using Unity 3D
20. C Programming
21. Basics of AutoCAD
22. MIT APP Design

MECHANICAL ENGINEERING

1. AutoCAD [Mechanical]
2. Product Design and Drafting by CATIA
3. Advanced Surface Design by CATIA
4. Product Design and Drafting by Solid Edge

CIVIL ENGINEERING

1. Architectural Modelling Using Revit
2. Building Drafting using Autocad
3. Structural Analysis Using Etabs
4. STAAD PRO
5. Basic of Autocad

☞ Eligibility Engineering Students and Unemployed Youth
☞ Online Training Programs Start from 13th September-2021
☞ Last Date for Registration : 11-09-2021
☞ Fee Nominal Fee 200(INR)

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Course Objective

- To introduce students/Faculty to the basic concepts and techniques of Machine Learning.
- To develop skills of using recent machine learning software for solving practicalproblems.

Duration

- 36 Hours (6 hours each day X 6 days)

CourseOutcomes

- Student able to learn the concepts of machine learning and its real time applications.

- To gain practical knowledge to solve problems related to machine learning.

- To gain experience in doing independent study and research

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Machine Learning using Python

Duration: 8 Days (48 hrs.)

Day 1:

1. Introduction to Machine Learning:
   a. What is Machine Learning
   b. Machine Learning Classification
   c. Types of Algorithms
   d. Overview of Exploratory Data Analysis with NumPy, Pandas, Matplotlib

Day 2:

2. Regression Models:
   a. Linear Regression with One variable
   b. Evaluation Metrics in Regression Models
   c. Train/Test splitting of data & Cross Validation
   d. Linear Regression with Multiple Variables
   e. Polynomial Features
   f. Non-Linear Regression with One variable
   g. Non-Linear Regression with Multiple variable

Day 3:

3. Regularization Models:
   a. Under fitting
   b. Overfitting
   c. Best fit
   d. Applying Ridge Regression
   e. Lasso Regression Algorithms

Day 4:

4. Classification Models - 1
   a. Introduction to categorical types of data
   b. Types of classification
   c. K-Nearest Neighbors Classifier
   d. Evaluation Metrics for classification Models
   e. Logistic regression
   f. Support Vector Machines

Day 5:

5. Classification Models - 2:
   a. Introduction to Decision Tree
   b. Terminology related to Decision Trees
   c. Types of Decision Trees
   d. Decision Trees Classifier
   e. Decision Tree Regressor
   f. Random Forest Algorithm

Day 6:

6. Unsupervised Machine Learning
   a. Introduction to Unsupervised Learning
   b. Types of Unsupervised Learning

Day 7:

7. Clustering:
   a. Introduction to clustering
   b. Types of Clustering Methods
   c. KMeans Clustering Applications

Day 8:

8. Dimensionality Reduction.
   a. Dimensionality reduction
   b. Principal Component Analysis (PCA)

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Machine Learning using Python

S.No	Roll No	Name of the student	Signature
1	19A31A1202	Alugolu Anusha	A. Anusha.
2	19A31A1204	AradadaTrishika Anshu	A·Trishika Anshu
3	19A31A1242	Bondada Sri Satya Kesava Tanuj	B.S.S. Kesava Tanuj
4	19A31A1206	Chalagalla Vinitha	C. Vinitha
5	19A31A1207	Chaluvadi Sai Vyshnavi	Ch Sai Vyshnavi.
6	19A31A1208	Chenna Akanksha	C. Akanksha.
7	19A31A1210	Chodisetty Anupama	C. Anupama
8	19A31A1212	Desabathula Meera Deepika	D.M. Deepika
9	19A31A1217	G Udaya Sri	G. Udaya sri
10	19A31A1215	G Swathi Aparna	G.S. Aparna
11	19A31A1247	Gantasala Veera Venkata Siva Sravan	G. veera venkata siva
12	19A31A1216	Garapati Ramya	G. Ramya.
13	19A31A1218	Gundu Sai Lahari	G. Sai Lahari
14	19A31A1252	Iiapa Venkata Rajeswararao	J. Venkata Rajeswararao
15	19A31A1220	J Parameswari	J. Parameswari.
16	19A31A1219	Jampana Nirupama Satya Surya Sai Prasanthi	J. N.S.S.S. Prasanthi.
17	18A31A0511	K sai Hari Priya	K. Sai Hari Priya
18	19A31A1253	Kalangi Dinesh Kumar	K. Dinesh Kumar

	Roll No	Name of the student	Signature
	19A31A1221	Kallutri V M Satya Sai Usha Gayathri	Y V M SSVG.gathu
	19A31A1203	Kanchiraju Amrutha	k Amrutha
	19A31A1229	Krishna Keerthi Peesapati	k. K. Peesapati
	19A31A1226	Mallidi Devi Sri Surya Maneesha	M.D.S S Manesha
	18A31A0516	Meka Gothami Priya	M.G. Priya
	18A31A0449	Mogali Sanjaya Kumar	M. Sanjaya Kuma
	19A31A1260	P.Sairam Sathwik	P. Sathwik
	19A31A1230	Pothula Lakshmi Bhavana	P L. Bhavana
	19A31A1231	Potti Krishna Ratna Roshini	P.K. P Roshini
	19A31A1246	Rajesh	Rajesh
	19A31A1264	Rohit Kumar	Rohit Kumar
	19A31A1233	Rudra Ashwini	R.Ashwini
	19A31A1234	Santhosi Vaasanthi	V Santhosi
	19A31A1235	Seelaboyina Naga Mahathi	s. Naga Mahathi
	19A31A1236	Sri Pada Marakata Manikya Valli	S P.M.M. Valle
	19A31A1213	Susritha Elipilla	S. Elipilla
	19A31A1238	Yatam Rama Sesha Nishitha	Y.R.S Nishitha

Signature of Coordinator

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S.No	Roll No	Name of the student	1 14/09/21	2 15/09/21	3 16/09/21	4 17/09/21	5 18/09/21	6 20/09/21	7 21/09/21	8 22/09/21	9 23/09/21	10 24/09/21	11 25/09/21
1	19A31A1202	Alugolu Anusha	P	P	P	P	P	P	P	A	P	P	P
2	19A31A1204	Aradada Trishika Anshu	P	A	P	P	P	P	P	P	P	P	P
3	19A31A1242	Bondada Sri Satya Kesava Tanuj	P	P	P	P	P	P	P	P	P	P	A
4	19A31A1206	Chalagalla Vinitha	P	P	P	A	P	P	P	P	P	P	P
5	19A31A1207	Chaluvadi Sai Vyshnavi	P	P	P	P	P	P	P	P	P	P	P
6	19A31A1208	Chenna Akanksha	A	P	P	P	P	P	P	P	P	P	P
7	19A31A1210	Chodisetty Anupama	P	P	A	P	P	P	P	P	P	P	P
8	19A31A1212	Desabathula Meera Deepika	P	P	P	P	P	P	P	P	A	P	P
9	19A31A1217	G Udaya Sri	P	P	P	P	A	P	P	P	P	P	P
10	19A31A1215	G Swathi Aparna	P	P	P	P	P	A	P	P	P	P	P
11	19A31A1247	Gantasala Veera Venkata Siva Sravan	P	P	P	P	P	P	A	P	P	P	P
12	19A31A1216	Garapati Ramya	P	P	P	P	P	P	P	P	P	P	P
13	19A31A1218	Gundu Sai Lahari	P	A	P	P	P	P	P	P	P	P	P
14	19A31A1252	Iiapa Venkata Rajeswararao	P	P	P	P	P	P	P	P	P	P	P
15	19A31A1220	J Parameswari	P	P	P	P	P	P	P	P	P	A	P

S.No	Roll No	Name of the student	1 14/09/21	2 15/09/21	3 16/09/21	4 17/09/21	5 18/09/21	6 20/09/21	7 21/09/21	8 22/09/21	9 23/09/21	10	11
16	19A31A1219	Jampana Nirupama Satya Surya Sai Prasanthi	P	P	P	P	P	P	P	P	P		
17	18A31A0511	K sai Hari Priya	P	P	P	P	P	P	P	P	P		
18	19A31A1253	Kalangi Dinesh Kumar	P	P	P	P	P	P	P	P	P		
19	19A31A1221	Kallutri V M Satya Sai Usha Gayathri	P	P	A	P	P	P	P	P			
20	19A31A1203	Kanchiraju Amrutha	P	P	P	P	P	P	P	P	P		
21	19A31A1229	Krishna Keerthi Peesapati	P	P	P	P	P	P	P	P	A		
22	19A31A1226	Mallidi Devi Sri Surya Maneesha	P	P	P	P	A	P	P	P	P		
23	18A31A0516	Meka Gothami Priya	P	P	P	P	P	P	P	P	P		
24	18A31A0449	Mogali Sanjaya Kumar	P	P	P	P	P	P	P	P	P		
25	19A31A1260	P.Sairam Sathwik	A	P	P	P	P	P	P	P	P	P	P
26	19A31A1230	Pothula Lakshmi Bhavana	P	P	P	P	P	P	P	P	P	P	P
27	19A31A1231	Potti Krishna Ratna Roshini	P	P	P	P	P	P	P	P	P	P	P
28	19A31A1246	Rajesh	P	P	P	P	P	P	P	P	P	P	P
29	19A31A1264	Rohit Kumar	P	P	P	P	P	P	P	P	P	P	P
30	19A31A1233	Rudra Ashwini	P	P	P	P	P	P	P	P	P	P	P
31	19A31A1234	Santhosi Vaasanthi	P	P	P	P	P	P	P	P	P	A	P
32	19A31A1235	Seelaboyina Naga Mahathi	P	P	P	P	P	P	P	P	P	P	P
33	19A31A1236	Sri Pada Marakata Manikya Valli	A	P	P	P	P	P	P	P	P	P	P
34	19A31A1213	Susritha Elipilla	P	P	P	P	P	P	P	P	P	P	P
35	19A31A1238	Yatam Rama Sesha Nishitha	P	P	P	P	P	P	P	P	P	P	A

M.V.Kamel.
Signature of Coordinator

PRAGATI ENGINEERING COLLEGE

Date: 25-09-2021

DEPARTMENT : Computer Science and Engineering

ACADEMIC YEAR : 2020-2021

Name of the speaker : Mrs.S. Sidhodana

Title of Training Program :Machine Learning Using Python

Date / Venue :14/09/2021 to 25/09/2021/APSSDC Marvin Minsky 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: 4

2   Method of Delivery: 4

3   Related to Subject: 4

4   Is the Topic useful for career: YES/NO

5   Suggestions if any: I found this seminar really helpful.

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Ph: 08852-252233, 44 Website: www.pragati.ac.in

Date: 25-09-2021

DEPARTMENT   : Computer Science and Engineering

ACADEMIC YEAR   : 2020-2021

Name of the speaker   : Mrs.S. Sidhodana

Title of Training Program   : **Machine Learning Using Python**

Date / Venue   : 14/09/2021 to 25/09/2021/APSSDC Marvin Minsky 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: 4

2   Method of Delivery: 4

3   Related to Subject: 4

4   Is the Topic useful for career: YES/NO

5   Suggestions if any: Useful for career.

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Report on Machine Learning Using Python

Date: 27-09-2021

Resource person details

Name: Sidhodana

Designation: APSSDC TRAINER

Contact details:

Phone no: 9492904347. 6302778126

    Two weeks Add-on Course on 'Machine Learning Using Python Organized by Department of Computer science and Engineering from 14th Sep 2021 to 25th Sep 2021 in collaboration with APSSDC.The Expert from the APSSDC explained various concepts of Machine Learning related aspects from the fundamentals to III year B. Tech Students.

    This Workshop started with what is Machine Learning and types learning. The expert mainly focus on the libraries like Numpy. Pandas etc. which are used for Machine Learning concepts. Expert also discussed techniques of classification and clustering and also algorithms which are used to solve the Machine Learning problems.The workshop participants were able to learn in depth of methodologies and its real time applications.

During practice session of basics of Numpy, Pandas Library
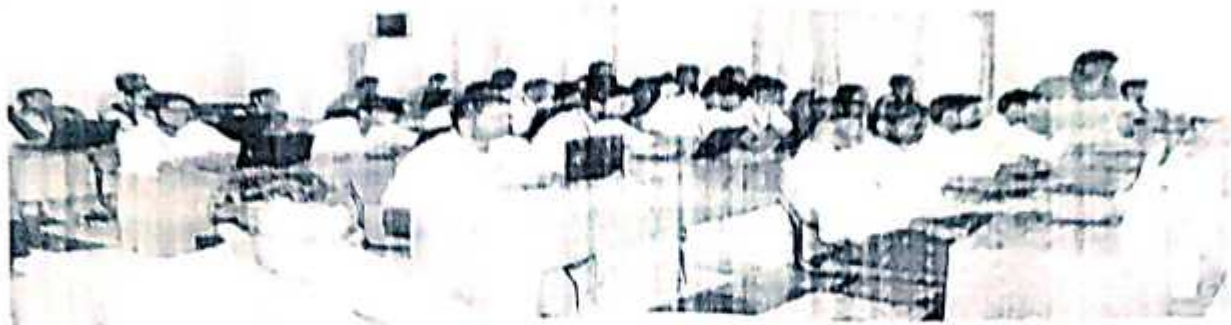
During practice session of Machine Learning Tools

Signature of the Faculty Coordinator

Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

Sk ll AP
A P S S D C

Certificate of Participation

Cert.No.   SDC - MLP - 0662

Regd Id : 1SA31A0516

This is to certify that Mr./Ms./Mrs. .... Meka Gowthami Priya ....

of .... Pragati Engineering College .... has successfully

participated in Online Training Program on .... Machine Learning Using Python ....

held from .... 14-09-2021 ...... to .... 25-09-2021 ....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

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MD, APSSDC

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(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

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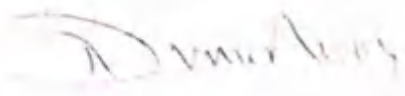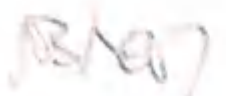
Cert.No.   SDC - MLP - 0661

Regd Id : 1SA31A0511

This is to certify that Mr./Ms./Mrs.............. K Sai Hari Priya ....

of .... Pragati Engineering College .... has successfully

participated in Online Training Program on .... Machine Learning Using Python ....

held from .... 14-09-2021 .... to .... 25-09-2021 ....

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Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju
MD, APSSDC

Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

Skill AP
A P S S D C

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Cert.No.   SDC - MLP - 0666

Regd Id : 19A31A1206

This is to certify that Mr./Ms./Mrs.......... Chalagalla Vinitha ....

of .... Pragati Engineering College .... has successfully

participated in Online Training Program on .... Machine Learning Using Python ....

held from ....14-09-2021...........to ....25-09-2021...........

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

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MD, APSSDC

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Learning is Supreme Deity

Date: 07-07-2021

CIRCULAR

It is here by informed to all the students of II B.Tech CSE, that there will be an Add On Course going to conducted by the Computer Science and Engineering Department as per the below schedule.

Name of the Course– **Introduction to Data Science**

Name of the Faculty: Mrs.S.Sarada

Start Date: 12/07/2021

End Date: 18/07/2021
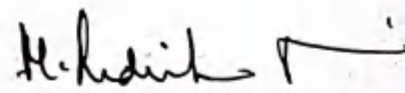
Venue: Marvin Minsky Lab

Interested students are required to get enrolled in this course through their class teacher on or before 10-02-2022

HOD-CSE

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H.O.D
C.S.E

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ADB Road. Surampalem, Near Peddapuram. E.G. Dist., A.P.

DEPARTMENT OF CSE

organizes

Add-on Course

on

INTRODUCTION TO DATA SCIENCE

from 12/07/2021 to 18/07/2021

Faculty Coordinator

Mrs.D.Uma
Assistant Professor
Dept of CSE
99516 34504

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ADB Road, Surampalem, E.G.Dt., A.P. – 533 437
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Course Objective

The main objective of this course "**Introduction to Data Science**" is to create awareness on basic statistical methods by completing hands-on projects focused on real-world data and addresses the social consequences of data analysis and application.

Duration

- 36 Hours (6 hours each day X 6 days)

Outcome of the Course

Student will be able to learn

- Explain the importance of and be able to formulate a data analysis problem statement that is clear, concise, and measurable.
- Identify and appropriately acknowledge sources of data.
- Be able to apply basic data cleaning techniques to prepare data for analysis.
- Be able to identify the categorical and/or numerical data types in a given data set.
- Apply appropriate descriptive and inferential methods to summarize data and identify associations and relationships.
- Use appropriate tools and technology to collect, process, transform, summarize, and visualize data.
- Be able to draw accurate and useful conclusions from a data analysis.

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Course Schedule

Day 1: Information Storage and Management Data Prepossessing and Analysis

Day 2: Introduction to Data Science, Web Intelligence

Day 3: Machine Learning Business Intelligence and Analytics

Day 4: Artificial Neural Network, High Performance Computing

Day 5: Big Data & Visualization, Statistical Computing

Day 6: Introduction to Deep Learning, Streaming Analytics

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List of Participants for Data Science

Sl.no	Roll	Name of Student	Signature
1	20A31A0501	ADDANKI SNEHITHA NAGA SAI LALITHA	A. Snehitha
2	20A31A0502	BARLA SATYA	B. Satya
3	20A31A0503	CHITTURI V V N SIVA SUSHMITHA	Ch. V.V.N.S. Sushmitha
4	20A31A0504	DULKARNINE RASEEDA	D. Raseeda
5	20A31A0511	MALAKALA SATYA PRIYA	m. Satya Priya
6	20A31A0516	NALLAMILLI AISSHWARYA	N. Aishwarya
7	20A31A0517	NARAVA REVATHI	N. Revathi
8	20A31A0518	PALIKA HEMASRI	P. Hemasri
9	20A31A0519	PASALA TEJA SRI	P. Teja Sri
10	20A31A0520	SAGIRAJU SAI GAYATRI	S. Sai Gayatri
11	20A31A0542	HAREEN KUMAR DEVU	H. Kumar devu
12	20A31A0563	VEGISETTI SURYA SATISH	V. Satish
13	20A31A0579	KONDAPALLI HAIKA SRIVALLI	K. HAIKA SRIVALLI
14	20A31A0580	KONDAPALLI TULASI SARANYA LAKSHMI	K.T.S Lakshmi
15	20A31A0591	TAMADA KIRAN DEEPTHI	T.K. Deepthi
16	20A31A05E1	KILAPARTHI PURNA ALEKHYA	K. Purna Alekhya
17	20A31A05F0	MUMMIDI VENKATA SOWJANYA	M.V. Sowjanya
18	20A31A05F1	NUNNA SIVANI	Nunna Sivani
19	20A31A05F2	PENUMALA NIHARIKA	N iharika
20	20A31A05F3	PERURI MADHURI DEEPIKA	P. madhuri deepika
21	20A31A05H7	MALIREDDI APPANNA DORA	M. Appanna Dora
22	20A31A05H8	MENNI TANUJ VENKAT	M.T. Venkat
23	20A31A05H9	MOHAMMAD HANEEF	M. Haneef
24	21A35A0511	KOSIREDDY KUMAR GANDI	K.K. Gandi
25	21A35A0512	SIVAKOTI RAJU	S. Raju

Signature of Coordinator

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S.No	Roll No	Name of the student	1	2	3	4	5	6
			12-07-2021	14-07-2021	15-07-2021	16-07-2021	17-07-2021	18-07-2021
1	20A31A0501	ADDANKI SNEHITHA NAGA SAI LALITHA	P	P	P	P	A	P
2	20A31A0502	BARLA SATYA	P	P	P	P	P	P
3	20A31A0503	CHITTURI V V N SIVA SUSHMITHA	P	P	P	P	P	P
4	20A31A0504	DULKARNINE RASEEDA	P	P	P	P	P	P
5	20A31A0511	MALAKALA SATYA PRIYA	P	P	P	P	P	P
6	20A31A0516	NALLAMILLI AISSHWARYA	P	P	P	A	P	P
7	20A31A0517	NARAVA REVATHI	P	P	P	P	P	A
8	20A31A0518	PALIKA HEMASRI	P	P	P	P	P	P
9	20A31A0519	PASALA TEJA SRI	P	P	P	P	A	P
10	20A31A0520	SAGIRAJU SAI GAYATRI	P	P	P	P	P	P
11	20A31A0542	HAREEN KUMAR DEVU	P	P	P	P	P	P
12	20A31A0563	VEGISETTI SURYA SATISH	P	P	P	P	P	P
13	20A31A0579	KONDAPALLI HAIKA SRIVALLI	P	P	P	P	P	P
14	20A31A0580	KONDAPALLI TULASI SARANYA LAKSHMI	P	P	P	A	P	P
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19	20A31A05F2	PENUMALA NIHARIKA	P	P	P	P	P	P
20	20A31A05F3	PERURI MADHURI DEEPIKA	P	P	P	P	P	P
21	20A31A05H7	MALIREDDI APPANNA DORA	P	P	P	P	P	P
22	20A31A05H8	MENNI TANUJ VENKAT	P	P	P	P	P	P
23	20A31A05H9	MOHAMMAD HANEEF	P	P	P	P	P	P
24	21A35A0511	KOSIREDDY KUMAR GANDI	P	P	P	P	P	P
25	21A35A0512	SIVAKOTI RAJU	P	P	P	P	P	P

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Signature of Coordinator

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Date:18/07/2021

DEPARTMENT   : Computer Science and Engineering

ACADEMIC YEAR   : 2021-2022

Name of the speaker   : Mrs.S.Sarada

Title of Training Program : **Introduction to Data Science**

Date / Venue   :12/07/2021 to 18/07/2021/Marvin Minsky Lab

p
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: 4

3   Related to Subject: 5

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

5   Suggestions if any: NIL

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Learning is Supreme Deity

Date:18/07/2021

DEPARTMENT   : Computer Science and Engineering

ACADEMIC YEAR   : 2021-2022

Name of the speaker   : Mrs.S.Sarada

Title of Training Program   : **Introduction to Data Science**

Date / Venue   :12/07/2021 to 18/07/2021/Marvin Minsky Lab

p
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: 4

3   Related to Subject: 4

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

5   Suggestions if any: Gain Grip on DS

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Report on Introduction to Data Science

Date: 19-07-2021

Resource person details

Name: Mrs.S.Sarada

Designation: Associate Professor

Contact details:

Phone no: 9491436671
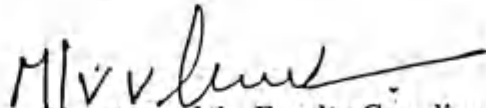
One week Add-on Course on 'Introduction to Data Science' Organized by Department of Computer science and Engineering from 12th Feb 2022 to 17th Feb 2022. The Expert explained various concepts of Data Sciencerelated aspects from the fundamentals to II year B.Tech Students.

This workshop started with Data Sciencebasics and its related fields with respect to the industry. This workshop focused on whattypes of skills are required to become a Data Science Engineer.
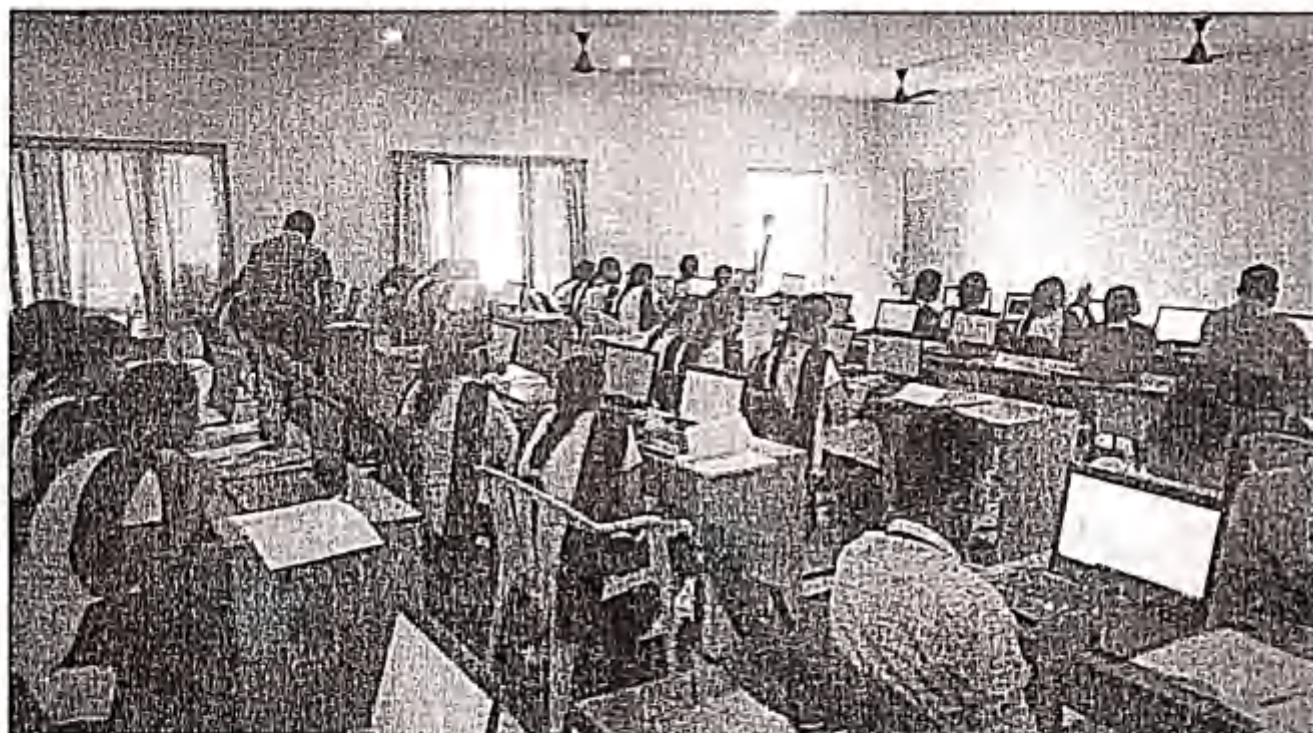
During practice session of Data Science

Signature of the Faculty Coordinator

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Certificate of Participation

This is to certify that Mr. /Ms.ADDANKI SNEHITHA NAGA SAI LALITHA Student of Computer Science Engineering, Pragati Engineering College has actively participated and successfully completed Add-on Course on **Introduction to Data Science** Conducted from **12/07/2021** to **18/07/2021** organized by Department of CSE, Pragati Engineering College (Autonomous), Surampalem.

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Coordinator

HoD-CSE

Principal

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ADB Road, Surampalem, Near Peddapuram, E.G. Dist., A.P

Certificate of Participation

This is to certify that Mr. /Ms.BARLA SATYA Student of Computer Science Engineering, Pragati Engineering College has actively participated and successfully completed Add-on Course on **Introduction to Data Science** Conducted from **12/07/2021** to **18/07/2021** organized by Department of CSE, Pragati Engineering College (Autonomous), Surampalem.

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Coordinator   HoD-CSE   Principal

PRAGATI ENGINEERING COLLEGE

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Date: 10-08-2021

CIRCULAR

It is here by informed to all the students of III B.Tech CSE, that there will be an Add On Course going to conducted by the Computer Science and Engineering Department as per the below schedule.

Name of the Course: **Data Analysis Using Python**

Name of the Faculty: Mrs.S.Sarada

Start Date: 19/08/2021

End Date: 24/08/2021

Venue: Marvin Minsky Lab

Interested students are required to get enrolled in this course through their class teacher on or before 12-08-2021.

HOD-CSE

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H.O.D
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DEPARTMENT OF CSE

organizes

Add-on Course

on

DATA ANALYSIS USING PYTHON

from 19/08/2021 to 24/08/2021

Faculty Coordinator

Mr.M.SW Ramesh
Assistant professor
Department of CSE
Ph: 8639797917

Course Objective

The main objective of this course "Data Analysis Using Python" is to create awareness of various types of attacks and cyber laws. This course mainly discuss about practical approach of network enumeration and analysis.

Duration

- 36 Hours (6 hours each day X 6 days)

Outcome of the Course

Student will be able to learn

- Take your data analysis skills from ZERO to PRO with Excel Pivot Tables
- Learn how to use Pivot Tables and Pivot Charts to streamline and absolutely revolutionize your workflow in Excel
- Master unique Pivot Table tips, tools and case studies that you won't find in ANY other course, guaranteed

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Course Schedule

Day 1:

Introduction to Data Analytics and Python Fundamentals

Day 2:

Introduction to probability

Day 3:

Sampling and Sampling Distribution

Day 4:

Hypothesis Testing

Day 5:

Two Sample Testing-1

Day 6:

Two Sample Testing-2

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S.No	Roll No	Name of the student	Signature
1	19A31B0529	Pithani Niharika	P. Niharika
2	19A31B0557	Puramsetti Ravi Kiran	P. Ravi Kiran
3	19A31B0558	Putta Gowtham Sagar	P.G. Sagar
4	20A35A0511	Puvvala Sai Krishna	P. Sai Krishna
5	20A35A0501	Ryali Poojitha	R. poojitha
6	20A35A0507	Sunkara Bhuvaneswari	S. Bhuvaneswari
7	19A31A0549	Kadali Vamsi Kiran	K. Vamsi Kiran
8	20A35B0505	Khandavilli Stya Sowmithra	K.S. Sowmithra
9	20A35A0509	Manam Suryanarayana	M. Surya
10	19A31A0583	Merigi Nurshitha	Mo Nurshitha
11	20A35B0506	Mopidevi Srikanth	M. Srikanth
12	20A35A0504	Mutyala Lela Sai	M. lela sai
13	19A31B0526	Oduri Devi Sri Naga Jyothi	O. Devisri
14	19A31A05C1	Patchipala Venkata Sairam	P. Venkata
15	19A31A0568	Bangaru Sailohitha	B. Sailolita
16	19A31A0571	Gadilli Lahari	G. lahari
17	19A31A05A9	Goluguri Satya Sudarshan Reddy	G. Satya
18	19A31A05B0	Gopalapurapu Bhargav Sanjay	G. Bhargav
19	19A31B0513	Grandhi Harsha Nandini	G. Harsha
20	19A31B0519	K.Tejasri	K. Tejasri

Signature of Coordinator

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Attendance Sheet Data Analysis Using Python

S.No	Roll No	Name of the student	1 19-08-2021	2 20-08-2021	3 21-08-2021	4 22-08-2021	5 23-08-2021	6 24-08-2021
1	19A31B0529	Pithani Niharika	P	P	P	P	P	P
2	19A31B0557	Puramsetti Ravi Kiran	P	P	P	P	P	P
3	19A31B0558	Putta Gowtham Sagar	A	P	P	P	P	P
4	20A35A0511	Puvvala Sai Krishna	P	P	P	P	P	P
5	20A35A0501	Ryali Poojitha	P	P	A	P	P	P
6	20A35A0507	Sunkara Bhuvaneswari	P	A	P	P	P	P
7	19A31A0549	Kadali Vamsi Kiran	P	P	P	P	P	P
8	20A35B0505	Khandavilli Stya Sowmithra	P	P	P	P	P	P
9	20A35A0509	Manam Suryanarayana	P	P	P	P	P	P
10	19A31A0583	Merigi Nurshitha	P	P	P	P	P	P
11	20A35B0506	Mopidevi Srikanth	P	P	P	P	P	P
12	20A35A0504	Mutyala Lela Sai	P	P	P	P	P	P
13	19A31B0526	Oduri Devi Sri Naga Jyothi	P	P	P	P	P	P
14	19A31A05C1	Patchipala Venkata Sairam	P	P	P	A	P	P
15	19A31A0568	Bangaru Sailohitha	P	P	P	P	P	P
16	19A31A0571	Gadilli Lahari	P	P	P		P	P
17	19A31A05A9	Goluguri Satya Sudarshan	P	A	P	P	A	P
18	19A31A05B0	Gopalapurapu Bhargav	P		P	P	P	P
19	19A31B0513	Grandhi Harsha Nandini					P	P
20	19A31B0519	K.Tejasri	P		P	P	P	A

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Signature of Coordinator

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Date: 24-08-2021

DEPARTMENT   : Computer Science and Engineering

ACADEMIC YEAR   : 2021-2022

Name of the speaker   : Mrs.S.Sarada

Title of Training Program :Data Analysis Using Python

Date / Venue   :19/08/2021 to 24/08/2021/ MarvinMinsky 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: 5

2   Method of Delivery: 5

3   Related to Subject: 5

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

5   Suggestions if any: Topic is so informative particularly with the sampling Distribution

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Date: 24-08-2021

DEPARTMENT   : Computer Science and Engineering

ACADEMIC YEAR   : 2021-2022

Name of the speaker   : Mrs.S.Sarada

Title of Training Program   :**Data Analysis Using Python**

Date / Venue   :19/08/2021 to 24/08/2021/ MarvinMinsky 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: 5

2   Method of Delivery: 4

3   Related to Subject: 5

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

5   Suggestions if any: Gain lot of Knowledge

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Report on Data Analysis Using Python

Date: 24-09-2021

Resource person details

Name: Mrs.S.Sarada

Designation: Associate Professor

Contact details:

Phone no: 8639797917, 9491436671

One week Add-on Course on 'Data Analysis Using Python' Organized by Department of Computer science and Engineering from 19th Sep 2021 to 24th Sep 2021. The Expert explained various concepts of Data Analysis related aspects from the fundamentals to III year B.Tech Students.

This workshop started with python basics and its related fields with respect to the industry. This workshop focused on whattypes of skills are required to become a Data Analysis Engineer. The Expert discussed about how Analyze data. The workshop participants were able to learn in depth of methodologies and techniques and processes of Data Analysis.
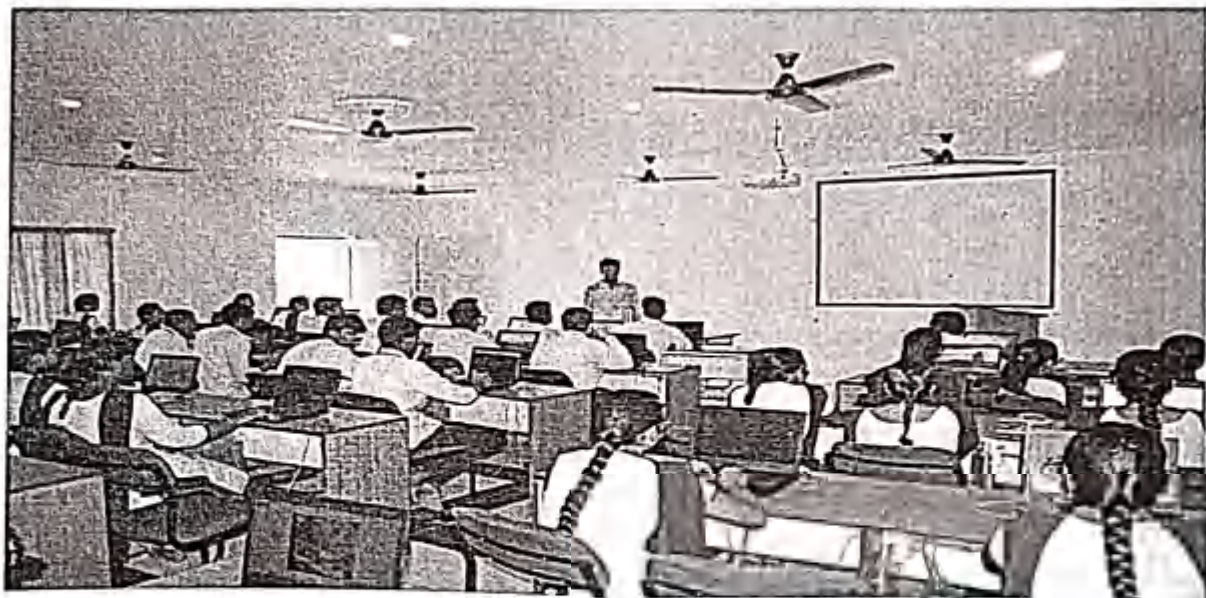
During practice session of Data Analysis Using Python

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PRAGATI ENGINEERING COLLEGE
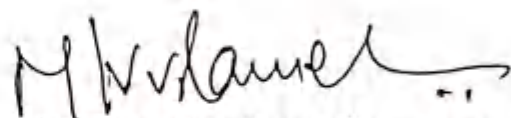
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During practice session of Data Analysis Using Python

Signature of the Faculty Coordinator

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Certificate of Participation

This is to certify that Mr./Ms.Putta Gowtham Sagar Student of Computer Science Engineering, Pragati Engineering College has actively participated and successfully completed Add-on Course on Data Analysis Using Python Conducted from **19/08/2021** to **24/08/2021** organized by Department of CSE, Pragati Engineering College (Autonomous), Surampalem.

Coordinator

HoD-CSE

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Principal

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Certificate of Participation

This is to certify that Mr./Ms.Puvvala Sai Krishna Student of Computer Science Engineering, Pragati Engineering College has actively participated and successfully completed Add-on Course on Data Analysis Using Python Conducted from **19/08/2021** to **24/08/2021** organized by Department of CSE, Pragati Engineering College (Autonomous), Surampalem.

Coordinator

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Certificate of Participation

This is to certify that Mr./Ms.Ryali Poojitha Student of Computer Science Engineering, Pragati Engineering College has actively participated and successfully completed Add-on Course on Data Analysis Using Python Conducted from **19/08/2021** to **24/08/2021** organized by Department of CSE, Pragati Engineering College (Autonomous), Surampalem.

Coordinator

HoD-CSE

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Date: 15-09-2021

CIRCULAR

It is here by informed to all the students of III B.Tech CSE, that there will be an Add On Course going to conducted by the college in collaboration with APSSDC as per the below schedule during this semester.

Name of the Course: **Basics of Cyber Security**

Name of the Faculty: 1.Mr. RamaKrishna Cheeli

2.Mr.M.S.V.V Ramesh

Start Date: 20/09/2021

End Date: 25/09/2021

Venue: Marvin Minsky Lab

Interested students are required to get enrolled in this course through their class teacher on or before 18-09-2021.

HOD-CSE

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H.O.D
C.S.E

One Week Online Workshop
on
BASICS OF CYBER SECURITY

Sk ll AP
A P S S D C

Department of CSE

in association with

Andhra Pradesh State Skill Development Corporation (APSSDC)

20/9/21
to
25/9/21

Registration Link

http://engineering.apssdc.in/register

Faculty Coordinators

Mr. M.S.V.V. Ramesh
Assistant Professor
Department of CSE

Mrs. P. Srilakshmi
Assistant Professor
Department of CSE

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Course Objective

The main objective of this course "Basics of Cyber Security" is to create awareness of various types of attacks and cyber laws. This course mainly discuss about practical approach of network enumeration and analysis.

Duration

- 36 Hours (6 hours each day X 6 days)

Outcome of the Course

Student will be able to learn

- Basics of cyber security and various types of cyber-attacks in real time applications.
- What type of skills required to become a cyber security network engineer.
- Focus on the security algorithms and how apply it to practical applications.
- Basics of cyber laws and also to learn IOT security with log management.
- Ransomware case study: Wannacry and vulnerability assessment.

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Course Schedule

Day 1: Introduction to Cyber Security, Hacker Mindset, Attack Lifecycle.

Day 2: Practical: Environment setup and troubleshooting. Setting up Kali Linux and vulnerable environments.

Day 3: Theory: Introduction to Kali linux and Metasploitable, vulnerability assessment, Ransomware case study: Wannacry.

Day 4: Practical: Network enumeration and analysis, networking commands, Exploiting Metasploitable.

Day 5: Cyber Security Laws, IOT security, Data backup, log management.

Day 6: Secure Configure management and security hardening

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Basics of Cyber Security

Duration: 6 Days (30 hrs.)

Skill AP
APSSDC

Basics of
Cyber Security

Day 1: Introduction to Cyber Security, Hacker Mindset, Attack Lifecycle

Day 2: Practical: Environment setup and troubleshooting. Setting up Kali Linux and
Vulnerable environments.

Day 3: Theory: Introduction to Kali linux and Metasploitable, vulnerability
assessment, Ransomware case study: Wannacry.

Day 4: Practical: Network enumeration and analysis, networking commands, Exploiting
Metasploitable.

Day 5: Cyber Security Laws, IOT security, Data backup, log management.

Day 6: Secure Configure management and security hardening.

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List of Participants for Cyber Security

Sl.no	Roll Number	Name of Student	Signature
1	19A31A0568	Bangaru Sailohitha	B. Sailohitha
2	19A31A0571	Gadilli Lahari	G. Lahari
3	19A31A05A9	Goluguri Satya Sudarshan Reddy	G. Satya sudarshan Reddy
4	19A31A05B0	Gopalapurapu Bhargav Sanjay	G. Bhargav Sanjay
5	19A31B0513	Grandhi Harsha Nandini	G. Harsha Nandhini
6	19A31B0519	K.Tejasri	K. Tejasri
7	19A31A0549	Kadali Vamsi Kiran	K. Vamsi Kiran
8	20A35B0505	Khandavilli Stya	K. Satya
9	20A35A0509	Manam Suryanarayana	M. suryanarayana
10	19A31A0583	Merigi Nurshitha	M. Nurshtha
11	20A35B0506	Mopidevi Srikanth	M. Sri kanth
12	20A35A0504	Mutyala Lela Sai	M. Lela sai
13	19A31B0526	Oduri Devi Sri Naga	O. Devi Sri Naga
14	19A31A05C1	Patchipala Venkata	P. Venkata
15	19A31B0529	Pithani Niharika	P. Niharika
16	19A31B0557	Puramsetti Ravi Kiran	P. Ravi kiran
17	19A31B0558	Putta Gowtham Sagar	P. Gowtham
18	20A35A0511	Puvvala Sai Krishna	P. Sai krishna
19	20A35A0501	Ryali Poojitha	R. Poojitha
20	20A35A0507	Sunkara Bhuvaneswari	S. Bhuvaneswari

Signature of Coordinator

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Basics of Cyber Security
Attendance Sheet

S.No	Roll No	Name of the student	1 20-9-2021	2 21-9-2021	3 22-9-2021	4 23-9-2021	5 24-9-2021	6 25-9-2021
1	19A31A0568	Bangaru Sailohitha	P	P	P	P	P	P
2	19A31A0571	Gadilli Lahari	P	P	A	P	P	P
3	19A31A05A9	Goluguri Satya Sudarshan Reddy	P	P	P	P	P	A
4	19A31A05B0	Gopalapurapu Bhargav Sanjay	P	P	A	P	P	P
5	19A31B0513	Grandhi Harsha Nandini	P	A	P	P	P	P
6	19A31B0519	K.Tejasri	P	P	P	P	A	P
7	19A31A0549	Kadali Vamsi Kiran	P	P	P	P	P	P
8	20A35B0505	Khandavilli Stya Sowmithra	A	P	P	P	P	P
9	20A35A0509	Manam Suryanarayana	P	A	P	P	P	P
10	19A31A0583	Merigi Nurshitha	P	P	P	P	A	P
11	20A35B0506	Mopidevi Srikanth	P	P	P	A	P	P
12	20A35A0504	Mutyala Lela Sai	P	P	P	P	P	P
13	19A31B0526	Oduri Devi Sri Naga Jyothi	P	P	P	A	P	P
14	19A31A05C1	Patchipala Venkata Sairam	A	P	P	P	P	P
15	19A31B0529	Pithani Niharika	P	P	P	P	P	P
16	19A31B0557	Puramsetti Ravi Kiran	P	P	P	P	P	A
17	19A31B0558	Putta Gowtham Sagar	P	P	P	P	P	P
18	20A35A0511	Puvvala Sai Krishna	P	P	P	P	P	P
19	20A35A0501	Ryali Poojitha	P	P	P	P	P	P
20	20A35A0507	Sunkara Bhuvaneswari	P	P	P	P	P	P

Signature of Coordinator

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Learning in Supreme Deity

Date: 25-09-2021

DEPARTMENT : Computer Science and Engineering

ACADEMIC YEAR : 2020-2021

Name of the speaker : Mr. RamaKrishna Cheeli

Title of Training Program : **Basics of Cyber Security**

Date / Venue : 20/09/2021 to 25/09/2021/ Apssdc Marvin Minsky 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: 4

2   Method of Delivery: 4

3   Related to Subject: 4

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

5   Suggestions if any: *knowledgable sessions*

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Date:25-09-2021

DEPARTMENT : Computer Science and Engineering

ACADEMIC YEAR : 2020-2021

Name of the speaker : Mr. RamaKrishnaCheeli

Title of Training Program :Basics of Cyber Security

Date / Venue :20/09/2021 to 25/09/2021/ Apssdc MarvinMinsky 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: 5

2   Method of Delivery: 5

3   Related to Subject: 4

4   Is the Topic useful for career: YES/NO

5   Suggestions if any: It is useful for further future guidance.

PRAGATI ENGINEERING COLLEGE

Report on Basics of Cyber Security

Date: 26-09-2021

Resource person details

Name: Mr. Ramakrishna Cheeli

Designation: APSSDC TRAINER

Contact details: Phone no: 8466883797

One week workshop on 'Basics of Cyber Security' Organized by Department of Computer science and Engineering from 20th Sep 2021 to 25th Sep 2021 in collaboration with APSSDC. The Expert from the APSSDC explained various concepts of Cyber Security related aspects from the fundamentals to III year B.Tech Students.

This workshop started with Cyber Security basics and its related fields with respect to the industry. This workshop focused on whattypes of skills are required to become a Cyber Security Engineer. The Expert discussed about how security related to Internet of Things. The workshop participants were able to learn in depth of methodologies and networking techniques and processes of Cyber Security.
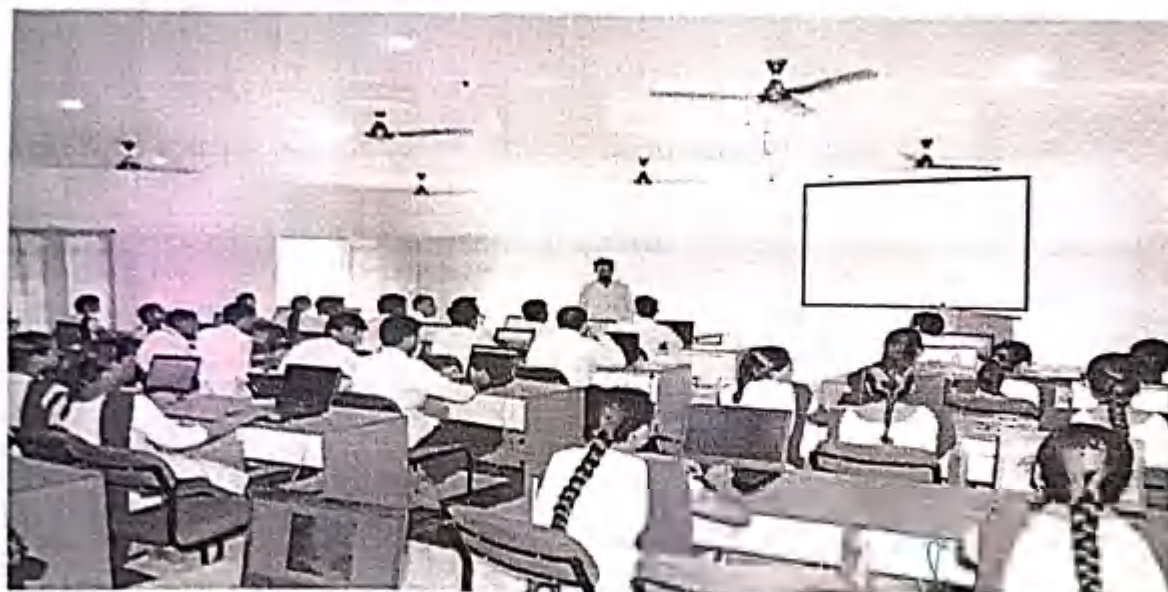
During practice session of Cyber Security

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During practice session of *IOT Security*

M. v. Laurel

Signature of the Faculty Coordinator

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Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

SKILL AP
APSSDC

Certificate of Participation

Cert.No.   OT-BCS-730

Regd Id : 19A31A0568

This is to certify that Mr./Ms./Mrs. .... Bangaru sailohitha ....

of .... Pragati Engineering College .... has successfully

participated in Online Training Program on .... Basics of Cyber Security ....

held from .... 20-09-2021 .... to .... 25-09-2021 ....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

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Sri N. Bangaru Raju
MD, APSSDC

Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

Skill AP
APSSDC

Certificate of Participation

Cert.No. OT-BCS-731

Regd Id : 19A31A0571

This is to certify that Mr./Ms./Mrs. .... Gadilli lahari ....

of .... Pragati Engineering College .... has successfully

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held from .... 20-09-2021 .... to .... 25-09-2021 ....

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Executive Director
APSSDC

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Sri N. Bangaru Raju
MD, APSSDC

Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Trainings, Govt.of Andhra Pradesh)

Skill AP
A P S S D C

Certificate of Participation

Cert.No.   OT-BCS-728

Regd Id : 19A31B0519

This is to certify that Mr./Ms./Mrs........................ K.Tejasri ....

of .... Pragati Engineering College .... has successfully

participated in Online Training Program on .... Basics of Cyber Security ....

held from .... 20-09-2021 ...... to .... 25-09-2021 ....

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

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Sri N. Bangaru Raju
MD, APSSDC

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 08-09-2021

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: **AWS**

Name of the Faculty: Mr. G Satya Mohan Chowdary

Start Date: 13-09-2021

End Date: 18-09-2021

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 10-09-2021.
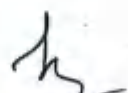
Circulation among III IT Students

Copy to Dept. Notice File
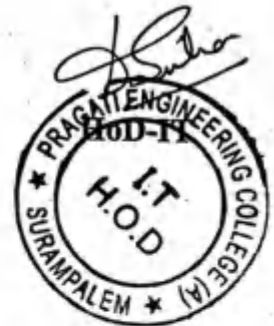
Copy to Student Add-On Course File

HoD-IT
I.T
H.O.D

CO-ORDINATOR
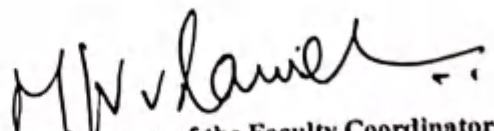
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DEPARTMENT OF INFORMATION TECHNOLOGY
Add on Course
On
AWS(AMAZON WEB SERVICES)

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

DATE: 13-09-2021 TO 18-09-2021

- Day 1: Introduction To Amazon Web Services, A glance on History Of AWS
- Day 2: Benefits of Amazon Web Services (AWS), Popular Customers Using AWS
- Day 3: Key Services Provided by AWS, Developers Tools Provided By AWS, Management and Governance Tools Provided By AWS
- Day 4: AWS Global Infrastructure, AWS Cloud Computing Models
- Day 5: Who Uses AWS?, Why is AWS so Successful?
- Day 6: AWS Storage Services, AWS Databases

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Topics Covered

Duration: 6 Days (30 hrs)

- **Day 1:** Introduction To Amazon Web Services, A glance on History Of AWS

- **Day 2:** Benefits of Amazon Web Services (AWS), Popular Customers Using AWS

- **Day 3:** Key Services Provided by AWS, Developers Tools Provided By AWS, Management and Governance Tools Provided By AWS

- **Day 4:** AWS Global Infrastructure, AWS Cloud Computing Models

- **Day 5:** Who Uses AWS?, Why is AWS so Successful?

- **Day 6:** AWS Storage Services, AWS Databases

CO-ORDINATOR

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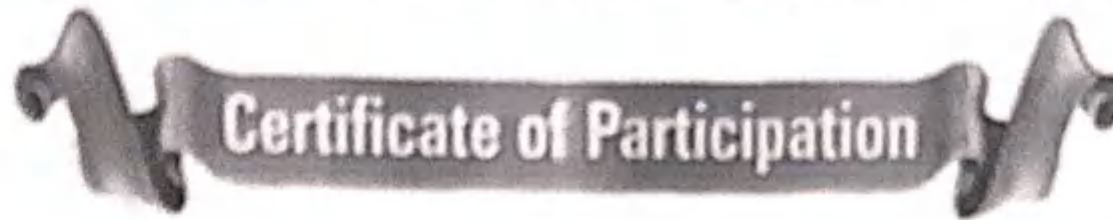# 1-378, ADB ROAD, SURAMPALEM
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Course Objective

The objective of this course Program is to provide students with a thorough understanding of AWS key services, Developers Tools Provided By AWS, Management and Governance Tools Provided By AWS.

Outcome of the course

Upon completion of the course student will be able to

- Make architectural decisions based on the AWS recommended architectural principles and best practices
- Utilise AWS services to make your infrastructure scalable, reliable, and highly available
- Make an AWS-based infrastructure more efficient to increase performance and reduce costs
- Use the Well-Architected Framework to improve architectures with AWS solutions

CO-ORDINATOR

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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 Introduction To Amazon Web Services, A glance on History Of AWS. AWS is the name in the cloud market, that doesn't need any introduction. It has gained a pace for providing a broad range of cloud computing services. So, the question is – What is AWS? Amazon Web Services (AWS) is the fastest-growing cloud technology provided by Amazon. AWS provides on-demand cloud computing services on a pay-as-you-go basis.

On **Day 2** discussed about Benefits of Amazon Web Services (AWS), Popular Customers Using AWS .

- Top 7 AWS Benefits and Advantages
    - User-friendly
    - Flexible
    - Secure
    - Cost-effective
    - Reliable
    - Scalable and Elastic
    - Highly Performant

    put it simply, AWS is an amalgamation of several different cloud services, including:

- · Computing
  - Storage
  - · Analytics
  - Database
  - Machine Learning (ML)

- Now, the listed elements also serve as a glimpse into the functions of AWS. Essentially, they streamline organizational operations by leveraging the power of cloud-backed solutions. Hence, some of the most popular products under its line include the Amazon Elastic Compute Cloud (EC2) and the Amazon Simple Storage Service (S3).

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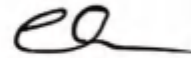(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)
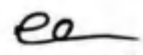Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

- Currently, AWS holds a 33% share in the global cloud infrastructure market. And part of that reason is how Amazon packages these services in a 'pay-as-you-go' model. In other words, it's reliable and, more importantly, *cheap*.

On Day 3 discussed about Key Services Provided by AWS, Developers Tools Provided By AWS, Management and Governance Tools Provided By AWS

The Important Cloud Services according to various categories that are provided by AWS are given below :

1. Compute

Amazon EC2: Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides secure, resizable compute capacity in the cloud. It allows organizations to obtain and configure virtual compute capacity in the cloud. You can select from a variety of operating systems and resource configurations like memory, CPU, and storage that are required for your application. Amazon EC2 enables you to increase or decrease capacity within minutes. You can use one or hundreds or even thousands of server instances simultaneously. Because this is all controlled with web service APIs, your application can automatically scale itself up and down depending on its needs. Amazon EC2 is integrated with most AWS services, such as Amazon Simple Storage Service (Amazon S3), Amazon Relational Database Service (Amazon RDS), and Amazon Virtual Private Cloud (Amazon VPC) to provide a complete, secure solution for computing applications. Amazon EC2 is an example of Infrastructure as a Service(IaaS). EC2 delivers secure, reliable, cost-effective compute and high-performance compute infrastructure so as to meet the needs of demanding businesses. Amazon EC2 is one of the easiest ways of providing servers on AWS Cloud and also the access to Operating system.

AWS Lambda: AWS Lambda is a serverless, event-driven compute service that allows you to run code without managing servers. You pay only for the compute time you consume and there is no charge when your code is not running. With AWS Lambda, you can run code for any type of application with zero administration. Just upload your code, and Lambda takes care of everything required to run and scale your code with high availability. You can set up your code to automatically trigger from other AWS services, or you can call it directly from any web or mobile app. But triggering Lambda is possible with over 200 AWS services. You can only pay for what you have used. The compute time that you consume, you are needed to pay for it. You just only need to upload your code and everything required to run will take care of by Lambda and it automatically scales your code with high availability.

AWS Elastic Beanstalk: AWS Elastic Beanstalk is a Platform as a Service that facilitates quick deployment of your applications by providing all the application services that you need for your application. Beanstalk is a plug-and-play platform that allows working with multiple programming languages and environments. Elastic Beanstalk supports a large range of platforms like Node js, Java, PHP, Python, and Ruby. So, you can develop your application to meet your requirements and simply deploy it on Elastic Beanstalk. The main aim to use AWS Elastic Beanstalk is to allow you to focus on the deployment and management of your applications. You can simply upload your code, and AWS Elastic Beanstalk automatically handles the deployment, from capacity provisioning, load balancing, and auto-scaling to application health monitoring. At the same time, you retain full control over the AWS resources powering your application and can access the underlying resources at any time.

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2. Networking

Amazon VPC: Amazon VPC is your network environment in the cloud. It allows you to create a private network within the AWS cloud that uses many of the same concepts and constructs as an on-premises network. Amazon VPC also gives you complete control of the network configuration. Customers can define normal networking configuration items such as IP address ranges, subnet creation, route table creation, network gateways, and security settings. Amazon VPC is an AWS foundational service and integrates with numerous AWS services. For instance, Amazon EC2 instances are deployed into your Amazon VPC. Similarly, Amazon Relational Database Service (Amazon RDS) database instances deploy into your Amazon VPC, where the database is protected by the structure of the network just like your on-premises network. You can easily launch AWS resources into a virtual network by Amazon Virtual Private Cloud. An isolated virtual network environment in the AWS cloud is created by Amazon VPC.

Amazon Route 53: Amazon Route 53 is a highly available and scalable cloud Domain Name System (DNS) web service. It is designed to give developers and businesses an extremely reliable and cost-effective way to route end users to Internet applications by translating human-readable names, such as www.geeksforgeeks.com, into the numeric IP addresses that computers use to connect to each other. Amazon Route 53 is fully compliant with IPv6 as well.

3. Storage

Amazon S3 (Simple Storage Service): Amazon Simple Storage Service (Amazon S3) is object storage with a simple web service interface to store and retrieve any amount of data from anywhere on the web. It is designed to provide an infinite amount of storage and it is delivered with 99.999999999% durability. You can use Amazon S3 as primary storage for cloud-native applications as a target for backup and recovery and disaster recovery. It offers industry-leading scalability, data availability, security, and performance. It's simple to move large volumes of data into or out of Amazon S3 with Amazon's cloud data migration options. Once data is stored in Amazon S3, it can be automatically tiered into lower cost, longer-term cloud storage classes like Amazon S3 Standard – Infrequent Access and Amazon Glacier for archiving.

On **Day 4** discussed about AWS Global Infrastructure, AWS Cloud Computing Models
An AWS Region is a geographical area of the world where AWS has several AZs.
AZs are made up of one or more distinct data centres that are each housed in a different building and have redundant power, networking, and connectivity. Each area is totally autonomous. Although the Availability Zones within a region are connected via low-latency networks, each Availability Zone is separate from the others.
AWS (Amazon Web Services) provides customized computing resources to businesses and offers various deployment models that meet a wide range of user-specific requirements.

The entire motivation behind AWS is to offer the individual user, such as software developers, freedom from the hassles of planning, procuring, and maintaining data management resources.
The AWS cost optimization feature is available for those looking for tools that cover basic optimization. This enables businesses to achieve highly sophisticated, scalable, and inexpensive cloud-based infrastructure integrated quickly. This particular component

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eliminates complex licensing dependencies, making the cloud services provision rather simple and swift. It also replaces upfront capital infrastructure overhead with minimum variable costs.

AWS customers have the option to pay a few different ways, including:

- On-demand: pay per second of usage without a long-term commitment
- Metered - pay as you go
- Reservation based – instant availability

Since AWS maintains the hardware and software-based networks vital for the services application, there are no huge upfront investments that would typically be needed. Whether it is an all-inclusive startup, data-reliant application, or critical business operation, the AWS cloud provides instant access to innovative resources.

Each AWS cloud service type and deployment process is packed with different control and management levels to provide the user an optimized and flexible experience.

AWS are continuously growing around the globe, and there are now

On **Day 5** discussed about Who Uses AWS?, Why is AWS so Successful?

The cloud platform provided by Amazon.com Inc (AMZN), known as Amazon Web Services (AWS), has grown to be a significant part of the e-commerce behemoth's enterprise portfolio. AWS generated a record $14.8 billion in net sales in the second quarter of 2021, or just over 13% of Amazon's overall net sales. Having expanded steadily in the 30% range the past few quarters, Amazon is a frontrunner to other cloud computing platforms such as competitor Microsoft Azure.

On **Day 6** discussed about AWS Storage Services, AWS Databases

First, there are two main service groupings for AWS data-storage services: AWS storage and AWS database. While database services are specifically focused on managing database software and storage, the services categorised under storage are typically more general in nature. Confusionally, you can utilise various storage services with database software, but you'll have to administer the database yourself rather than having AWS manage it in this scenario.

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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	19A31A1202	Alugolu Anusha	
2	19A31A1203	Amrutha Kanchiraju	
3	19A31A1204	Aradada Trishika Anshu	
4	19A31A1205	Bondada Bhagya Sireesha	
5	19A31A1206	Chalagalla Vinitha	
6	19A31A1207	Chaluvadi Sai Vyshnavi	
7	19A31A1209	Chitturi Likhitha	
8	19A31A1210	Chodisetty Anupama	
9	19A31A1217	Gollapalli Udaya Sri	
10	19A31A1218	Gundu Sai Lahari	
11	19A31A1220	Joga Parameswari	
12	19A31A1226	Mallidi Devi Sri Surya Maneesha	
13	19A31A1231	Potti Krishna Ratna Roshini	
14	19A31A1232	Puligedda Veera Ganika Jalasri	
15	19A31A1236	Sripada Marakata Manikya Valli	
16	19A31A1237	Vundavalli Sridevi	
17	19A31A1238	Yatam Rama Sesha Nishitha	
18	19A31A1242	Bondada Sri Satya Kesava Tanuj	
19	19A31A1243	Chatradi Ram Sunil	
20	19A31A1244	Chekuri Vineeth Krishna	
21	19A31A1247	Gantasala V Venkata Siva Sravan	
22	19A31A1254	Kondaveeti Sai Harsha	
23	19A31A1260	Pallapothu Sairam Sathwik	
24	19A31A1264	Veluguri Rohit Kumar	

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ATTENDANCE SHEET

S.No.	Roll No.	Name of the Student	13-09-2021	14-09-2021	15-09-2021	16-09-2021	17-09-2021	18-09-2021
1	19A31A1202	Alugolu Anusha	P	P	P	P	P	P
2	19A31A1203	Amrutha Kanchiraju	P	P	A	P	P	P
3	19A31A1204	Aradada Trishika Anshu	P	A	P	P	A	P
4	19A31A1205	Bondada Bhagya Sireesha	P	P	P	A	P	P
5	19A31A1206	Chalagalla Vinitha	P	P	P	P	P	P
6	19A31A1207	Chaluvadi Sai Vyshnavi	P	P	P	P	P	P
7	19A31A1209	Chitturi Likhitha	P	P	P	P	P	P
8	19A31A1210	Chodisetty Anupama	P	P	P	P	P	P
9	19A31A1217	Gollapalli Udaya Sri	P	P	P	P	P	A
10	19A31A1218	Gundu Sai Lahari	P	P	P	P	P	P
11	19A31A1220	Joga Parameswari	A	P	P	P	P	P
12	19A31A1226	Mallidi Devi Sri Surya Maneesha	P	A	P	P	P	P
13	19A31A1231	Potti Krishna Ratna Roshini	P	P	P	P	P	P
14	19A31A1232	Puligedda Veera Ganika Jalasri	P	P	P	P	P	P
15	19A31A1236	Sripada Marakata Manikya Valli	P	P	P	A	P	P
16	19A31A1237	Vundavalli Sridevi	P	P	P	P	P	P
17	19A31A1238	Yatam Rama Sesha Nishitha	P	P	P	P	P	P
18	19A31A1242	Bondada Sri Satya Kesava Tanuj	P	P	P	P	P	P
19	19A31A1243	Chatradi Ram Sunil	P	P	A	P	P	P
20	19A31A1244	Chekuri Vineeth Krishna	P	P	P	A	P	P
21	19A31A1247	Gantasala V Venkata Siva Sravan	P	A	P	P	P	P
22	19A31A1254	Kondaveeti Sai Harsha	P	P	P	P	A	P
23	19A31A1260	Pallapothu Sairam Sathwik	P	P	P	P	P	P
24	19A31A1264	Veluguri Rohit Kumar	P	P	P	P	P	P

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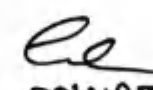
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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	19A31A1202	6	6
2	19A31A1203	6	5
3	19A31A1204	6	4
4	19A31A1205	6	5
5	19A31A1206	6	6
6	19A31A1207	6	6
7	19A31A1209	6	6
8	19A31A1210	6	6
9	19A31A1217	6	5
10	19A31A1218	6	6
11	19A31A1220	6	5
12	19A31A1226	6	5
13	19A31A1231	6	6
14	19A31A1232	6	6
15	19A31A1236	6	5
16	19A31A1237	6	6
17	19A31A1238	6	6
18	19A31A1242	6	6
19	19A31A1243	6	5
20	19A31A1244	6	5
21	19A31A1247	6	5
22	19A31A1254	6	5
23	19A31A1260	6	6
24	19A31A1264	6	6

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AWS VALUE ADDED COURSE – FEEDBACK

Date:18-09-2021

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2021-2022

Name of the speaker: SATYA MOHAN CHOWDARY G

Title of Training Program: " AWS Value added course"

Date / Venue: 13-09-2021 to 18-09-2021 /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: 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: The program helped us to learn and understand the basic Ruby AWS value added course

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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: The Program was so informative and relevant to my work

Ch. likhitha

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Certificate of Participation

This is to certify that Mr./Ms. _Alugolu Anusha_ Student of Information Technology ,

Pragati Engineering college has actively participated and successfully completed Add-on course on

Amazon Web Services conducted from 13-09-2021 to 18-09-2021 Organized by Department of IT,

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DATE

18-09-2021

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Certificate of Participation

This is to certify that Mr./Ms. _Amrutha Kandiraju_ Student of Information Technology ,

Pragati Engineering college has actively participated and successfully completed Add-on course on

Amazon Web Services conducted from 13-09-2021 to 18-09-2021 Organized by Department of IT,

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 02-11-2021

CIRCULAR

It is hereby informed to the II 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: **RUBY**

Name of the Faculty: Dr. S Suresh

Start Date: 08-11-2021

End Date: 13-11-2021

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 05-11-2021.

Circulation among II 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

RUBY

Resource Person

Dr. S Suresh,

Associate Professor,

Dept. of IT,

Pragati Engineering College

DATE: 08-11-2021 TO 013-11-2021

- **Day 1:** Ruby on Rails Introduction, Basics of Ruby
- **Day 2:** Advanced topics of Ruby, Rails first app
- **Day 3:** Action views, Active Record
- **Day 4:** Action controller, Digging Deeper rails
- **Day 5:** Rails advanced topics
- **Day 6:** Deployment

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Topics Covered

Duration: 6 Days (30 hrs)

- **Day 1:** Ruby on Rails Introduction, Basics of Ruby
- **Day 2:** Advanced topics of Ruby, Rails first app
- **Day 3:** Action views, Active Record
- **Day 4:** Action controller, Digging Deeper rails
- **Day 5:** Rails advanced topics
- **Day 6:** Deployment

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Course Objective

The objective of this course Program is to

- To acquaint the students with a reliable and robust solution because of its easy to use modules, pragmatic designs, and quick and fast delivery features.
- To help in creating applications, websites from an existing source, instead of from scratch.
- To help students how to write code and build applications.

Outcome of the course

Upon completion of the course student will be able to

- Ruby on Rails Introduction
- Create an App in Rails
- Active Record
- Acton controller
- Rails advanced topics
- Deployment

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Learning is Supreme Deity

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 **Ruby and Rails Intro , Basics of Ruby**

An Introduction to Ruby and Rails, How to Install Rails, Introduction to Object oriented concepts, Fundamentals of Web Application, Model View Controller Architecture

- Ruby Introduction
- Rails Introduction
- Understanding OOPS
- Understanding Web Application
- Understanding MVC
- Ruby on Rails Installation

Fundamentals of Ruby and to know about the structure of Ruby Classes.To explore the syntax and semantics of Objects with Classes. and explore more data types in details.

- Ruby – IRB
- Classes
- Methods
- Operators
- String
- Fixnum
- Control Structures

On **Day 2** discussed about **Advanced Topics of Ruby , Rails First App**

The concepts of Ruby Programming Language, and also learn different programming techniques to be used.

- Array
- Hashes
- Regular Expressions
- Ranges
- Exception Handling
- Modules
- Mixins

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And they learnt to create first Rails application and configure DB, also to run the Rails application on localhost and create the MVC files manually. Students understand how to analyse the Directory layout and create quick applications using Scaffolding.

- Creating and Running first Rails Application
- Rails –Hello world
- Directory Layout
- Creating Quick Application via Scaffolding
- Scaffold Workflow
- MVC files – Manual creation

On **Day 3** discussed about **Action Views, Active Record**

A review of HTML tags and about front end template/layout integration was discussed. Students learnt about Bootstrap and about designing a form using Form helpers.

- HTML Review
- Layout integration
- Bootstrap Exercise
- Form helpers

Studnets learnt ORM concepts, and Basics of Model, get deeper into Active Record techniques like Migrations,Validating the user inputs,triggering callbacks,How to use Relationship between tables and Query Interface methods.

- ORM
- Active Record Basics
- Migrations
- Validations
- Callbacks
- Association
- Query Interface Methods

On **Day 4** discussed about **Action Controller, Digging Deeper – Rails**

In this module students learnt the basics of Rails Controller,Resource based Routing,Session and Cookies Storage.Also be able to Handle Parameters and use different types of Filters.

- Controller Basics
- Routing
- Sessions

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- Cookies
- Parameters
- Filters

Resource person discussed about in depth concepts of Rails.Integrating Ruby gems,Debugging Techniques and sending emails.Studnets gained knowledge on different commands used in rails, and explore pipeline of Assets.

- Gems
- Debugging Rails Application
- Action Mailer
- Rails Command lines
- Assets Pipeline

On **Day 5** discussed about **Rails Advanced Topics**

Advanced techniques of Rails, Integrating Javascript , and Securing the Rails application with configurations were discussed. Also learnt the concept of translating Rails application into multiple languages.

- Working with JavaScript
- Securing Rails Application
- Rails Internationalization

On **Day 6** discussed about Deployment

Studnets learnt about version control tool Github and learn the use of the Deployment tool Heroku.

- Version Control
- Git
- Deployment
- Heroku – Cloud Application Platform

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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	20A31A1201	AKETI ANANTHA NAGA VENKATA SAI SRI LAKSHMI	
2	20A31A1204	CHITTURI JYOSHNA	
3	20A31A1207	JUTTUKA HARSHITA MAHA LAKSHMI	
4	20A31A1213	MARISETTI YAMINI SAI	
5	20A31A1216	NAIDU HARSHA VARDHINI	
6	20A31A1217	NALLA SRI SATYA SAI ABHINAYA	
7	20A31A1218	NOORUNNISA BEGUM	
8	20A31A1220	PASUPULETI LAKSHMI PRIYANKA	
9	20A31A1232	BEERAKA CHAITANYA	
10	20A31A1233	BULA NITHIN	
11	20A31A1234	CHIKKALA VINAY SIDDHU	
12	20A31A1236	DOOLLA SREE ACHYUTHA SAILENDRA	
13	20A31A1243	KONE RAM LAL SURESH	
14	20A31A1244	KUNDAVARAM SUDHEER BABU	
15	20A31A1250	POTNURI SAI SURESH	
16	20A31A1253	REDDY PANKAJ KUMAR	
17	20A31A1254	SUNKARA CHAITANYA SAI BHASKAR	
18	20A31A1255	SUVARNAM D S K P SUBRAHMANYAM	
19	20A31A1261	VASALA DEVI PRADEEP	
20	21A35A1201	PATNEEDI SURYA SAI BASHEERANJALI	
21	21A35A1202	ANGADI AJAYKUMAR SIMHADRI	
22	21A35A1205	MAJJI LAKSHMANA RAO	

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ATTENDANCE SHEET

S.No.	Roll No.	Name of the Student	08-11-2021	09-11-2021	10-11-2021	11-11-2021	12-11-2021	13-11-2021
1	20A31A1201	AKETI ANANTHA NAGA VENKATA SAI SRI LAKSHMI	P	P	A	P	P	P
2	20A31A1204	CHITTURI JYOSHNA	P	P	P	P	P	P
3	20A31A1207	JUTTUKA HARSHITA MAHA LAKSHMI	P	P	A	A	P	P
4	20A31A1213	MARISETTI YAMINI SAI	P	P	P	P	A	P
5	20A31A1216	NAIDU HARSHA VARDHINI	P	A	P	P	A	P
6	20A31A1217	NALLA SRI SATYA SAI ABHINAYA	P	P	P	P	P	P
7	20A31A1218	NOORUNNISA BEGUM	P	P	P	P	P	P
8	20A31A1220	PASUPULETI LAKSHMI PRIYANKA	P	P	P	P	P	P
9	20A31A1232	BEERAKA CHAITANYA	P	P	P	A	P	P
10	20A31A1233	BULA NITHIN	P	P	P	P	P	P
11	20A31A1234	CHIKKALA VINAY SIDDHU	P	P	A	P	P	P
12	20A31A1236	DOOLLA SREE ACHYUTHA SAILENDRA	P	A	P	P	P	A
13	20A31A1243	KONE RAM LAL SURESH	P	P	A	P	P	P
14	20A31A1244	KUNDAVARAM SUDHEER BABU	P	P	P	P	P	P
15	20A31A1250	POTNURI SAI SURESH	P	P	P	P	P	P
16	20A31A1253	REDDY PANKAJ KUMAR	P	P	P	P	P	P
17	20A31A1254	SUNKARA CHAITANYA SAI BHASKAR	P	P	A	P	P	P
18	20A31A1255	SUVARNAM D S K P SUBRAHMANYAM	P	P	A	P	A	P
19	20A31A1261	VASALA DEVI PRADEEP	P	P	P	P	P	P
20	21A35A1201	PATNEEDI SURYA SAI BASHEERANJALI	P	P	P	P	P	P
21	21A35A1202	ANGADI AJAYKUMAR SIMHADRI	P	P	P	A	P	P
22	21A35A1205	MAJJI LAKSHMANA RAO	P	A	P	P	P	P

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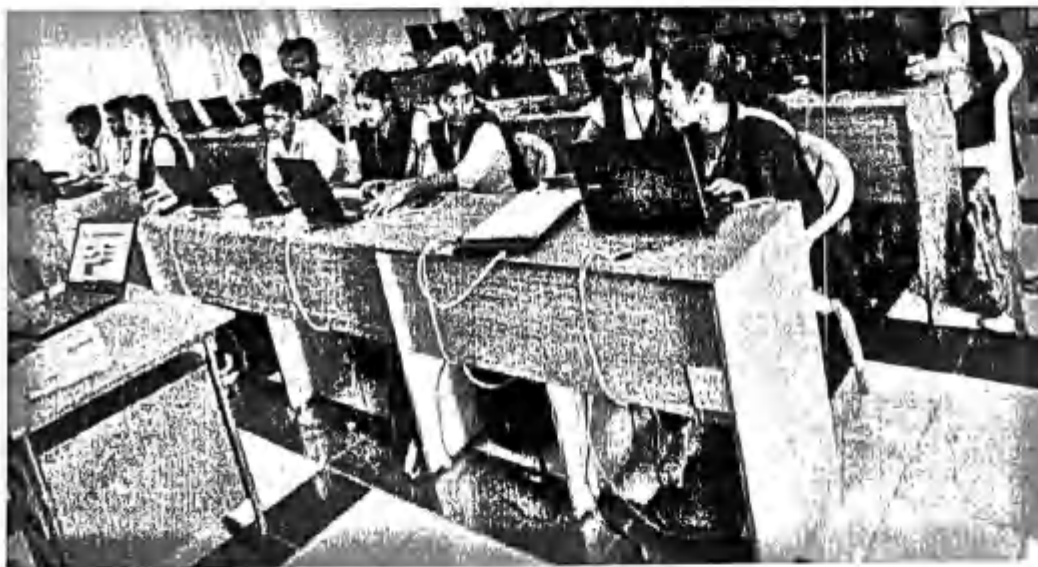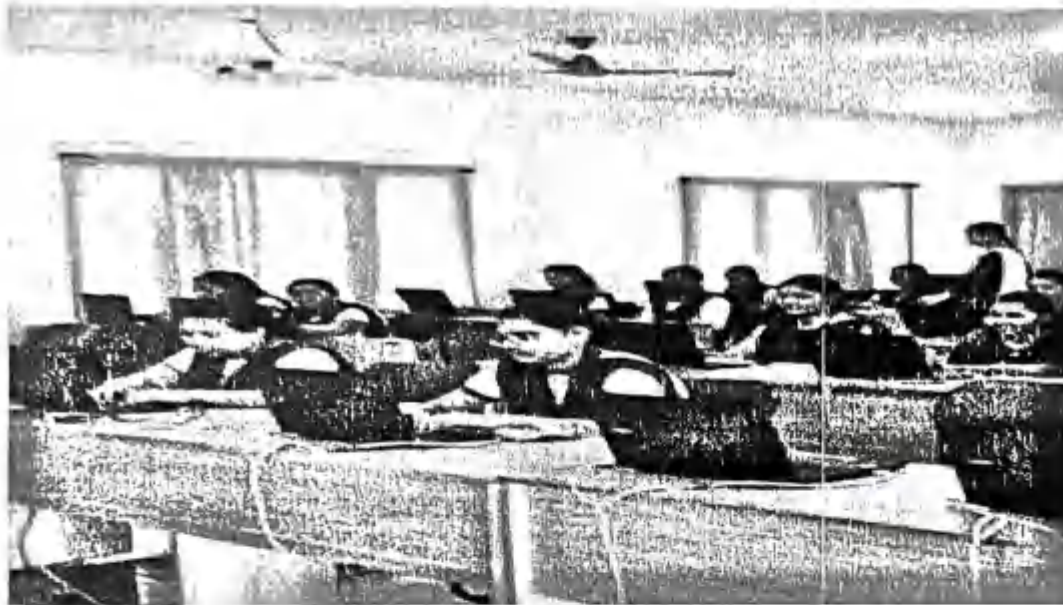# PRAGATI ENGINEERING COLLEGE

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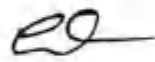ADB Road, Surampalem, E.G.Dt., A.P. – 533 437

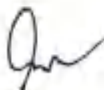(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with 'A' Grade)

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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	20A31A1201	6	5
2	20A31A1204	6	6
3	20A31A1207	6	4
4	20A31A1213	6	5
5	20A31A1216	6	4
6	20A31A1217	6	6
7	20A31A1218	6	6
8	20A31A1220	6	6
9	20A31A1232	6	5
10	20A31A1233	6	6
11	20A31A1234	6	5
12	20A31A1236	6	4
13	20A31A1243	6	5
14	20A31A1244	6	6
15	20A31A1250	6	6
16	20A31A1253	6	6
17	20A31A1254	6	5
18	20A31A1255	6	4
19	20A31A1261	6	6
20	21A35A1201	6	6
21	21A35A1202	6	5
22	21A35A1205	6	5

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RUBY VALUE ADDED COURSE – FEEDBACK

Date:13-11-2021

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2021-2022

Name of the speaker: Dr. S Suresh

Title of Training Program: " RUBY Value added course"

Date / Venue: 08-11-2021 to 13-11-2021 /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: Very good

2 Method of Delivery: Average

3 Related to Subject: Average

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: The program was so informative and relevant to my work.

Nooruunnisa Begum

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Please evaluate on a scale of 5;

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

1 Usefulness of Topic: *Very Good*

2 Method of Delivery: *Excellent*

3 Related to Subject: *Average*

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: *The program helped us to learn and understand The basic Ruby Code.*

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Certificate of Participation

This is to certify that Mr./Ms. _M. lakshmana Rao_ Student of Information Technology ,

Pragati Engineering college has actively participated and successfully completed Add-on course on

Ruby conducted from 08-11-2021 to 13-11-2021 Organized by Department of IT, Pragati Engineering

college (Autonomous),Surampalem.

DATE

13-11-2021

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Certificate of Participation

This is to certify that Mr./Ms. A. Ajay kumar Student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add-on course on Ruby conducted from 08-11-2021 to 13-11-2021 Organized by Department of IT, Pragati Engineering college (Autonomous),Surampalem.

DATE

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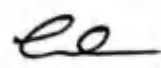## (Autonomous)// 1-378, ADB Road, Surampalem, E.G District, A.P. - 533 437
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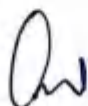(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
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DEPARTMENT OF CIVIL ENGINEERING

Surampalem,
Date: 12/08/2021

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 LEVEL A (Building Information Modeling) Workshop on 20/08/2021 to 14/09/2021 by department of Civil Engineering. All the Interested candidates can enroll their names with Ms. Indrani Parimala, Assistant professor, Department of Civil Engineering on or before 16/08/2021. The number of participants to this is limited; preference is based on first come first basis.

Venue: Classroom CS-5 CIVIL DEPARTMENT BLOCK
Date: 20/08/2021

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

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. Those skills include how to retrieve information from a BIM model and how to use common modeling tools.

Topic Covered:

1. Fundamental BIM Knowledge
   - ✔ Definition of BIM
   - ✔ From CAD to BIM
   - ✔ Necessity of BIM
   - ✔ BIM Benefits
   - ✔ LOD in BIM

2. View & Retrieve Information from BIM Models

   - ✔ Revit: Visibility of elements
   - ✔ Revit: Section á 3D view
   - ✔ Revit: Retrieve information from schedules
   - ✔ Revit: Measure distance in BIM models

3. Modeling a BIM model

   - ✔ Revit: Use the Level tool to define a vertical height
   - ✔ Revit: Use the Toposurface tool to create topographic surface
   - ✔ Revit: Use the Column tool to place a column
   - ✔ Revit: Use the Beam tool to place a beam
   - ✔ Revit: Use the Floor tool to create a floor
   - ✔ Revit: Use the Wall tool to create a wall
   - ✔ Revit: Use the Door tool to place a door
   - ✔ Revit: Use the Window tool to place a window
   - ✔ Revit: Use the Stair tool to create a stair
   - ✔ Revit: Use Ramp tool to create a parking ramp

(Co-ordinator)

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OUTCOMES OF THE COURSE

Students will be able to:

✓ Challenge to introduce building information modeling (BIM), as demanded from the industry, in an already packed curriculum for higher engineering education.

✓ Based on an evaluation of the 'Introduction to Building Professions' course given to all civil engineering students in their higher engineering education.

✓ Autodesk Revit was used as BIM-based software in the designing of a two-family timber dwelling, a compulsory group project in the course

✓ Software proficiency is seen as a necessary yet subordinate skill in higher education and should not be graded as a separate task. Use of BIM-based software should, however, be integrated to enhance problem understanding and relevant information processing. This integrated approach can lead to a more widespread implementation of BIM to support active learning in higher education.

CO-ordinator

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Resource Person Details

Name: PATHIVADA JAGADISH BABU

Designation: Assistant Professor

Contact Details: 7013996168

Photographs during training Session

Surampalem, Andhra Pradesh, India
33M4+C33, Surampalem, Andhra Pradesh 633437, India
Lat 17.083362°
Long 82.055221°
25/08/21 11:38 AM GMT +05:30

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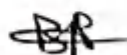
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Department of CIVIL Engineering

STUDENTS ENROLLED FOR BUILDING INFORMATION MODELLING

S.No	Name of the Student	Roll Number	Signature
1	G NAGA SUDHA KAIVALYA	19A31A0105	
2	AGISETTI HARI PRASAD	19A31A0117	
3	KASI BHANU SHYAM	19A31A0128	
4	SANIPILLI SAI KRISHNA	19A31A0139	
5	M. S. D. VISHALA BHARGAVI	20A35A0101	
6	K. DURGA PRADEEP KUMAR	20A35A0118	
7	KANDARPA L ANUPAMA	19A31A0149	
8	V. S. V. LAKSHMI PRAVEENA	19A31A0154	
9	CHITRADA RAMA KRISHNA	19A31A0161	
10	NEELAM VINAY	19A31A0173	
11	K. CHENNAKESAVA VARMA	20A35A0138	
12	DUVVURI SUMEDH SARMA	19A31A0163	
13	P HARI VENKATA SATYA SAI	19A31A0174	
14	KATE NAVEENKUMAR	20A35A0132	
15	GANDIKOTA SANJANA	20A31A0106	
16	LANKA DEVI VAISHNAVI	20A31A0112	
17	SUJANMULK SUMA DURGA	20A31A0120	
18	B.V.K.PARDHU	20A31A0124	
19	S. PRASANTH KUMAR	20A31A0142	
20	YERRA JAYANTH NAIDU	20A31A0156	
21	DARA AVENJO	21A35A0104	
22	KAPPALA JOHN PAUL	21A35A0106	
23	K. MOHAMMAD SHAMIMA	18A31A0111	
24	T. CHANDRIKA	18A31A0114	
25	CH. SURESH	18A31A0124	

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26	KUTAN KUMAR RAJA	18A31A0137	K. Kumar raja
27	MOHAMMAD AFZAL. ALI	18A31A0140	Ali
28	NACHIREDDY SAI SANDEEP	19A35A0111	Sandeep
29	PILLA VICTOR SPENNER	19A35A0128	P. V(13) Spenn.
30	BONDA SRI SAI DIVYA	18A31A0154	Divya

Co-Ordinator

Resource Person

HOD-CIVIL

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Department of CIVIL Engineering

Building Information Modeling

Attendance Sheets

Roll No.	Dt: 20/08/21		Dt: 24/08/21		Dt: 23/08/21		Dt: 27/08/21		Dt: 29/08/21		Dt: 1/08/21	
	1	2	3	4	5	6	7	8	9	10	11	12
19A31A0105	P	P	P	P	A	P	A	P	P	A	A	A
19A31A0117	A	P	P	P	P	A	P	P	A	A	P	P
19A31A0128	A	P	P	P	A	A	P	P	P	P	P	P
19A31A0139	P	P	A	A	P	P	P	P	P	P	P	P
20A35A0101	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0118	P	P	P	P	P	P	P	P	P	P	A	A
19A31A0149	A	A	P	P	P	P	P	P	P	P	A	A
19A31A0154	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0161	A	A	P	P	P	P	P	P	P	P	P	P
19A31A0173	P	P	P	P	P	P	P	P	P	P	P	P
20A35A0138	P	P	P	P	A	A	P	P	P	P	A	A
19A31A0163	P	P	P	P	P	P	P	P	P	P	A	A
19A31A0174	P	P	P	P	P	P	A	A	P	P	P	P
20A35A0132	A	A	P	P	P	P	P	P	P	P	P	P
20A31A0106	A	A	P	P	P	P	P	P	P	P	P	P
20A31A0112	P	P	P	P	P	P	A	A	P	P	P	P
20A31A0120	P	P	P	P	P	P	P	P	P	P	P	P
20A31A0124	P	P	P	P	P	P	A	P	P	P	A	A
20A31A0142	P	P	P	P	P	P	P	A	A	A	P	P
20A31A0156	P	P	A	P	A	A	A	A	P	P	P	P
21A35A0104	P	P	P	P	P	P	P	P	P	P	P	P
21A35A0106	A	A	P	P	A	P	P	P	P	P	P	P
18A31A0111	P	P	A	A	P	P	P	P	P	P	P	P

Roll No												
18A31A0114	P	P	P	P	P	P	P	P	P	P	P	P
18A31A0124	P	P	P	P	A	A	P	P	P	P	P	P
18A31A0137	P	P	A	A	P	P	P	P	P	P	P	P
18A31A0140	P	P	P	P	P	P	P	P	P	A	A	A
19A35A0111	P	P	P	P	P	P	P	P	P	P	A	A
19A35A0128	A	A	A	A	P	P	P	P	P	P	P	P
18A31A0154	A	A	P	P	P	P	P	P	P	P	A	A

Co-Ordinator

Resource Person

HOD-CIVIL

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

PRAGATI ENGINEERING COLLEGE
(Autonomous)

Department of CIVIL Engineering

Building Information Modeling

Attendance Sheets

Roll No.	Dt: 27/08/21		Dt: 28/08/21		Dt: 28/08/21		Dt: 30/08/21		Dt: 01/9/21		Dt: 2/09/21	
	13	14	15	16	17	18	19	20	21	22	23	24
19A31A0105	P	P	P	P	A	A	P	P	A	A	P	P
19A31A0117	P	P	A	A	P	P	A	A	P	P	A	A
19A31A0128	A	A	P	P	A	A	A	A	A	A	P	P
19A31A0139	P	P	A	A	P	P	P	P	A	A	A	A
20A35A0101	A	A	P	P	P	P	P	P	P	P	A	A
20A35A0118	A	A	P	P	A	A	P	P	P	P	P	P
19A31A0149	P	P	A	A	P	P	A	A	P	P	A	A
19A31A0154	A	A	P	P	P	P	P	P	A	A	P	P
19A31A0161	P	P	P	P	A	A	A	A	P	P	P	P
19A31A0173	P	P	A	A	P	P	P	P	P	P	A	A
20A35A0138	A	A	P	P	A	A	P	P	P	P	P	P
19A31A0163	P	P	A	A	P	P	P	P	A	A	P	P
19A31A0174	P	P	P	P	A	A	A	A	P	P	P	P
20A35A0132	A	A	P	P	P	P	P	P	P	P	A	A
20A31A0106	A	A	A	A	P	P	P	P	P	P	P	P
20A31A0112	A	A	P	P	A	A	P	P	P	P	P	P
20A31A0120	P	P	P	P	A	A	P	P	P	P	P	P
20A31A0124	P	P	A	A	P	P	A	A	P	P	P	P
20A31A0142	P	P	P	P	A	A	P	P	P	P	P	P
20A31A0156	P	P	A	A	P	P	P	P	P	P	A	A
21A35A0104	P	P	P	P	A	A	P	P	P	P	P	P
21A35A0106	A	A	P	A	P	P	P	P	P	P	P	P
18A31A0111	P	P	P	P	A	A	P	P	P	P	P	P

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18A31A0114	P	P	P	P	A	A	P	P	P	P	A	A
18A31A0124	A	A	P	P	A	A	P	P	P	P	P	P
18A31A0137	P	P	P	P	P	P	A	A	A	A	P	P
18A31A0140	P	P	A	A	P	P	P	P	P	P	P	P
19A35A0111	P	P	P	P	P	P	P	P	P	P	P	P
19A35A0128	A	A	P	P	P	P	P	P	P	P	P	P
18A31A0154	P	P	P	P	P	P	P	P	A	A	P	P

Co-Ordinator

Resource Person

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PRAGATI ENGINEERING COLLEGE
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Department of CIVIL Engineering
Building Information Modeling
Attendance Sheets

Roll No.	Dt: 3/09/21		Dt: 04/09/21		Dt: 6/09/21		Dt: 7/09/21		Dt: 8/09/21		Dt: 9/10/21	
	25	26	27	28	29	30	31	32	33	34	35	36
19A31A0105	P	P	A	A	P	P	P	P	P	P	A	A
19A31A0117	P	P	P	P	P	P	P	P	P	P	P	P
19A31A0128	P	P	P	P	P	P	A	A	P	P	A	A
19A31A0139	P	P	P	P	P	P	P	P	A	A	P	P
20A35A0101	P	P	P	P	P	P	A	A	P	P	P	P
20A35A0118	P	P	A	A	P	P	P	P	P	P	A	A
19A31A0149	P	P	P	P	P	P	A	A	P	P	P	P
19A31A0154	A	A	P	P	A	A	P	P	P	P	P	P
19A31A0161	P	P	P	P	P	P	A	A	P	P	A	A
19A31A0173	P	P	P	P	P	P	P	P	P	P	A	A
20A35A0138	P	P	A	A	P	P	A	A	P	P	P	P
19A31A0163	P	P	P	P	P	P	P	P	A	A	P	P
19A31A0174	A	A	P	P	P	P	P	P	P	P	P	P
20A35A0132	P	P	P	P	P	P	P	P	P	P	P	P
20A31A0106	P	P	P	P	P	P	P	P	P	P	P	P
20A31A0112	P	P	P	P	P	P	P	P	P	P	P	P
20A31A0120	P	P	A	A	P	P	P	P	A	A	P	P
20A31A0124	P	P	P	P	A	A	P	P	P	P	A	A
20A31A0142	A	A	P	P	P	P	P	P	P	P	P	P
20A31A0156	A	A	P	P	P	P	A	A	P	P	P	P
21A35A0104	P	P	P	P	P	P	P	P	A	A	P	P
21A35A0106	P	P	A	A	P	P	P	P	P	P	P	P
18A31A0111	P	P	P	P	A	A	P	P	P	P	P	P

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Department of CIVIL Engineering
Building Information Modeling
Attendance Sheets

Roll No.	Dt: 11/09/21	Dt: 13/09/21	Dt: 14/09/21		Dt: 14/09/21		Dt: 15/09/21	Dt: 16/09/21	Dt: 17/09/21
	37	38	39	40	41	42			
19A31A0105	P	P	P	P	P	P			
19A31A0117	P	P	P	P	P	P			
19A31A0128	P	P	P	P	P	P			
19A31A0139	P	P	P	P	P	P			
20A35A0101	P	P	P	P	P	P			
20A35A0118	P	P	P	P	P	P			
19A31A0149	P	P	P	P	P	P			
19A31A0154	P	P	P	P	P	P			
19A31A0161	P	P	P	P	P	P			
19A31A0173	P	P	P	P	P	P			
20A35A0138	P	P	P	P	P	P			
19A31A0163	P	P	P	P	P	P			
19A31A0174	P	P	P	P	A	A			
20A35A0132	P	P	A	A	P	P			
20A31A0106	P	P	P	P	P	P			
20A31A0112	A	A	A	A	P	P			
20A31A0120	A	A	P	P	P	P			
20A31A0124	P	P	P	P	A	A			
20A31A0142	P	P	P	P	P	P			
20A31A0156	P	P	P	P	A	A			
21A35A0104	P	P	P	P	P	P			
21A35A0106	P	P	A	A	P	P			
18A31A0111	P	P	A	A	P	P			

18A31A0114	P	P	P	P	A	A					
18A31A0124	P	P	P	P	P	P					
18A31A0137	A	A	P	P	P	P					
18A31A0140	P	P	P	P	A	A					
19A35A0111	P	P	A	A	P	P					
19A35A0128	P	P	P	P	P	A					
18A31A0154	A	A	P	P	P	P					

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Resource Person

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Department of CIVIL Engineering

FEEDBACK FORM

DEPARTMENT : Civil

Date: 14/09/21

ACADEMIC YEAR : 21-22

NAME OF THE SPEAKER : P Jagadish Babu

TITLE OF TRAINING PROGRAM : Building Information modelling

DATE/VENUE : CS-S, 20/08/2021

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   : 4

3. Related to Subject   : 5

4. Is the topic useful for career : 4

5. Suggestion if any   :

Signature/ Name of the Student
(Optional)

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Ph: 08852-252233, 252234, 252235, Fax: 252712, Website: www.pragati.ac.in
(Sponsored by Gayatri Educational Society)
D No: # 24-4/2, Ground Floor, Jammadasgari Park Road, Srinagar, Kakinada - 3 Ph: 0884 - 2355000, Fax: 2363990

Department of CIVIL Engineering

FEEDBACK FORM

DEPARTMENT : Civil Engineering.

Date: 14-9-21,

ACADEMIC YEAR : 21-22

NAME OF THE SPEAKER : P. Jagadesh Babu.

TITLE OF TRAINING PROGRAM : B 2 M

DATE/VENUE : CS-5 , 14-09-21.

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   : 5

4. Is the topic useful for career : 5

5. Suggestion if any   : 5

Signature/ Name of the Student
(Optional)

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Department of CIVIL Engineering
FEEDBACK FORM

Date: 14-09-21

DEPARTMENT : Civil Engineering

ACADEMIC YEAR : 21-22

NAME OF THE SPEAKER : P. Jagadesh Babu

TITLE OF TRAINING PROGRAM : Building Information modelling

DATE/VENUE : CS-5, 14-09-21

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 :

Signature/ Name of the Student
(Optional)

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Ph: 08852 - 252233, 252234, 252235, Fax : 252237, Website : www.pragati.ac.in
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D No. 2-24 4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3 Ph: 0884 - 2345600, Fax : 2345900

Department of CIVIL Engineering

· FEEDBACK FORM

Date: 14/09/21

DEPARTMENT : Civil Engineering

ACADEMIC YEAR : 21-22

NAME OF THE SPEAKER : P. Jagadish Babu

TITLE OF TRAINING PROGRAM : Building Information modeling

DATE/VENUE : CS-5, 20-08-2021.

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 : 4

3. Related to Subject : 5

4. Is the topic useful for career · : 4

5. Suggestion if any : —

Signature/ Name of the Student
(Optional)

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Ph: 08852 - 252233, 252234, 252236, Fax: 252232, Website: www.pragati.ac.in
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D No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph: 0884 - 2365900, Fax: 2363900

Department of CIVIL Engineering

FEEDBACK FORM

Date: 14/9/21

DEPARTMENT : Civil Engineering

ACADEMIC YEAR : 21-22

NAME OF THE SPEAKER : P. Jagadish Babu

TITLE OF TRAINING PROGRAM : Building Information Modeling

DATE/VENUE : CS-5, 20/8/21

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 : Good initiative

Signature/ Name of the Student
(Optional)

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"Learning is Supreme Deity"

PARTICIPATION CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This certificate is presented to:

B S SAI DIVYA

For participating in the Workshop of "Building Information Modeling" on 12/08/2021

FACULTY INCHARGE

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

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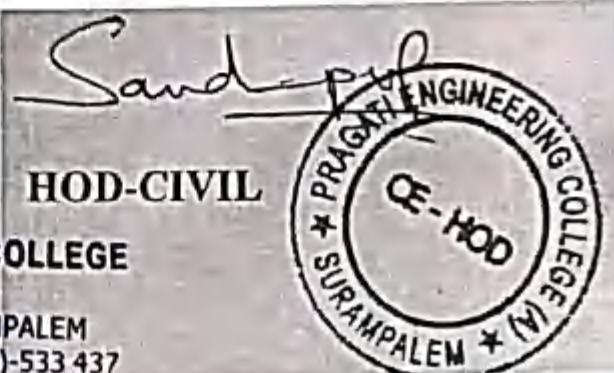
"Learning is Supreme Deity"

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PARTICIPATION CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

This certificate is presented to:

P VICTOR SPENNER

For participating in the Workshop of "Building Information Modeling" on 12/08/2021

FACULTY INCHARGE

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Ph. 08852 - 252233, 252234, 252235, Fax 252232. Website www.pragati.ac.in
(Sponsored by Gayatri Educational Society)
D.No. 2-24-42, Ground Floor, Jammichettu Park Road, Srinagar, Kakinada - 1, Ph. 0884 - 2388888, Fax 2XXXX8

DEPARTMENT OF CIVIL ENGINEERING

Surampalem,
Date: 08/01/2022

CIRCULAR

It is to inform all the students of B-Tech 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 20/01/2022 to 14/02/2022 by department of Civil Engineering. All the interested candidates can enroll their names with Ms. A.Reshma, Assistant professor, Department of Civil Engineering on or before 19/01/2022. 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: 19/01/2022

HOD

Copy to:

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

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(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph. 08852 - 252233, 252234, 252235, Fax. 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)
D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph. 0884 - 2355900, Fax. 2363900

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

K.P
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.

K.P.
Co-ordinator

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PRAGATI ENGINEERING COLLEGE
(Autonomous)

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 — ARCGIS

S.No	Name of the Student	Roll Number	Signature
1	TELAGAMSETTI CHANDRIKA	18A31A0114	Chandrika
2	ALLU SAI NAVEEN	18A31A0119	A.Saynaveen
3	DODDI SURENDRA RAJ	18A31A0126	Navin
4	KUTAN KUMAR RAJA	18A31A0137	K K Raja
5	CHALAMCHARLA AAKASH	19A35A0106	Chalat Akash
6	NACHIREDDY SAI SANDEEP	19A35A0111	NSui
7	THOTA MOHAN	19A35A0113	Thotta mohn
8	PILLA VICTOR SPENNER	19A35A0128	Spenner
9	BONDA SRI SAI DIVYA	18A31A0154	SriSai Divya
10	KARUMURI DURGA BHARGAVI	18A31A0162	Durga Bhargavi
11	V LAKSHMI DURGA	18A31A0169	V.Lakshmi Durga
12	B DILIP SAI BHAGAVAN	18A31A0176	B.Bhagavan
13	MALLI MANIDEEP	18A31A0184	Malli Manideep
14	PENKEY SRI AASHISH	18A31A0194	PS Aasish
15	SYED GHOUSE	18A31A01A1	Ghouse
16	BODDU TEJESH	19A35A0117	Boddu.Tejesh.
17	VOOLURU MEGHASHYAM	19A35A0124	V M.Shyam
18	SUTHAPALLI SIVAMANIKANTA	18A31A01A0	Siva
19	DUGGADA YEMEEMA SWETHA	19A31A0104	D.Swethu
20	MUSINADA AMRUTHA	19A31A0110	M.Amrutha
21	PALIVELA VEERENDRA	20A35A0109	P. Veerendra
22	SHEIK CHAN BASHA	20A35A0112	1Ch. Basha
23	NARALA SAI RAKESH	20A35A0116	N.Sai Rakesh
24	GUDIMETLA DAYANIDHI	21A31A0107	G.Dayanidhi
25	A. TEJASWINI NAGA SRI SAI	21A31A0101	Tejaswini

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

26	PRATHYUSHA PITHANI	21A31A0112	
27	CHITTURI S V V RAM KISHORE	21A31A0121	
28	GUBBALA JOHN MUKESH	21A31A0124	
29	KUDIPUDI SESHA SAI KARTHIK	21A31A0128	
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	

Co-Ordinator

Resource Person

HOD-CIVIL

PRAGATI ENGINEERING COLLEGE
(Autonomous)

Department of CIVIL Engineering

ATTENDANCE REPORT – ARCGIS

S.No	Roll Number	Classes Conducted	Classes Attended
1	18A31A0114	42	39
2	18A31A0119	42	40
3	18A31A0126	42	41
4	18A31A0137	42	42
5	19A35A0106	42	42
6	19A35A0111	42	41
7	19A35A0113	42	42
8	19A35A0128	42	40
9	18A31A0154	42	41
10	18A31A0162	42	42
11	18A31A0169	42	42
12	18A31A0176	42	42
13	18A31A0184	42	40
14	18A31A0194	42	39
15	18A31A01A1	42	40
16	19A35A0117	42	41
17	19A35A0124	42	39
18	18A31A01A0	42	42
19	19A31A0104	42	41
20	19A31A0110	42	39
21	20A35A0109	42	40
22	20A35A0112	42	41
23	20A35A0116	42	42
24	21A31A0107	42	41
25	21A31A0101	42	40

26	21A31A0112	42	39
27	21A31A0121	42	40
28	21A31A0124	42	39
29	21A31A0128	42	40
30	21A31A0135	42	38
31	21A31A0141	42	42
32	21A31A0143	42	40
33	21A31A0145	42	41
34	21A31A0147	42	42
35	21A31A0125	42	40

K.R

Co-Ordinator

Resource Person

HOD-CIVIL

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

PRAGATI ENGINEERING COLLEGE
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Department of CIVIL Engineering

Attendance Sheets ARC6n1S

Roll No.	Dt:21/01/2023		Dt: 21-y-21		Dt: 21-0/22		Dt: 24-1-22		Dt: 25-1-22		Dt: 27-1-22	
	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	T	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	A	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	A	A	P	P	P	P	P	P	P	P
18A31A0184	P	P	A	A	P	PA	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	A	A	P	P	P	P
19A35A0117	P	P	P	P	P	r	P	P	P	P	A	P
19A35A0124	P	A	A	A	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	r	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	r	P	P	P	P	P	P	P	P	P

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

K.B.

Co-Ordinator

Resource Person

HOD-CIVIL

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
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Near Peddapuram, E.G.Dt. (AP)-533 437

PRAGATI ENGINEERING COLLEGE
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Department of CIVIL Engineering
Attendance Sheets ARC GIS

Roll No.	Dt: 28-1-22		Dt: 29-1-22		Dt: 31-1-22		Dt: 1-2-22		Dt: 2-2-22		Dt: 3-2-22	
	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	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	Y	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

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

Co-Ordinator

Resource Person

HOD-CIVIL

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

PRAGATI ENGINEERING COLLEGE
(Autonomous)

Department of CIVIL Engineering

Attendance Sheets ARCGIS

Roll No.	Dt: 4-2-22		Dt: 5-2-22		Dt: 7-2-22		Dt: 8-2-22		Dt: 9-2-22		Dt: 10-2-22	
	25	26	27	28	29	30	31	32	33	34	35	36
18A31A0114	P	P	P	P	P	P	P	A	P	P	P	P
18A31A0119	P	P	P	P	A	A	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	A	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	A	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	A	A	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	A	P	P	P	P	P	P	P	P	P	P	P
19A31A0110	P	P	A	A	P	P	A	P	P	P	P	P
20A35A0109	A	A	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	A	A	P	P	P	P	P	P	P	P	P	P
21A31A0117	P	P	P	P	A	A	A	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

HOD-CIVIL

CE-HOD

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PRAGATI ENGINEERING COLLEGE
(Autonomous)

1-378, ADB Road, Surampalem, T.G.District, A.P. 533 437
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Ph. 08852 252233 252234, 252235 Fax 252272 Website www.pragati.ac.in
(D No. 2-24-49, Ground Floor, Jananatheam Park Road, Srinagar Kakinada - 3 Ph 0884-2355660, Fax 2303000)
(Sponsored by Gayatri Educational Society)

Department of CIVIL Engineering
Attendance Sheets ARCGIS

Roll No.	Dt: 11-2-22		Dt: 12-2-22		Dt: 14-2-22		Dt:	Dt:	Dt:
	37	38	39	40	41	42			
18A31A0114	P	P	A	A	P	P			
18A31A0119	P	P	P	P	P	P			
18A31A0126	P	A	P	P	P	P			
18A31A0137	P	P	P	P	P	P			
19A35A0106	P	P	P	P	P	P			
19A35A0111	P	P	P	P	P	P			
19A35A0113	P	P	P	P	P	P			
19A35A0128	P	P	P	P	P	P			
18A31A0154	P	P	P	P	P	P			
18A31A0162	P	P	P	P	P	P			
18A31A0169	P	P	P	P	P	P			
18A31A0176	P	P	P	P	P	P			
18A31A0184	P	P	P	P	P	P			
18A31A0194	P	A	P	P	P	P			
18A31A01A1	P	P	P	P	P	P			
19A35A0117	P	P	P	P	P	P			
19A35A0124	P	P	P	P	P	P			
18A31A01A0	P	P	P	P	P	P			
19A31A0104	P	P	P	P	P	P			
19A31A0110	P	P	P	P	P	P			
20A35A0109	P	P	P	P	P	P			
20A35A0112	P	A	P	P	P	P			
20A35A0116	P	P	P	P	P	P			
21A31A0107	P	P	P	A	P	P			

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

Co-Ordinator

Resource Person

HOD-CIVIL

Department of CIVIL Engineering

FEEDBACK FORM

Date: 19/04/2022

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2021-2022

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basic of ARCGIS for Hydrology

DATE/VENUE : 19-01-2022 / classroom CE-1
CIVIL Department Block System LAB

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 : 5

4. Is the topic useful for career : 5

5. Suggestion if any : —

Boddu Tejah

Signature/ Name of the Student
(Optional)

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D No 2-24 4/2, Ground Floor Janmathnsam Park Road, Srinagar Kakinada - 1 Ph 0884 - 2355900, Fax 2363900

Department of CIVIL Engineering

FEEDBACK FORM

Date: 14/02/2022

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2021-2022

NAME OF THE SPEAKER : V. Mamideep

TITLE OF TRAINING PROGRAM : Basic of ARCGIS F& Hydrology

DATE/VENUE : 19-01-2022 / classroom CF-1
CIVIL Department Block System LAB

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 : —

Sri Sai Divya
Signature/ Name of the Student
(Optional)

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

Department of CIVIL Engineering

FEEDBACK FORM

Date: 14-03-2022

DEPARTMENT	: CIVIL
ACADEMIC YEAR	: 2021-2022
NAME OF THE SPEAKER	: V. Manideep
TITLE OF TRAINING PROGRAM	: Basic of ARCGIS for Hydrology
DATE/VENUE	: 19-01-2022 / classroom CF-1

CIVIL Department Block
System LAB

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 : -

Durga Bhargavi

Signature/ Name of the Student
(Optional)

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
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Near Peddapuram, E.G.Dt. (AP)-533 437

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(Autonomous)
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(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act. 1956)
Ph 08852 - 262233, 262234, 262235, Fax : 262232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)
D No 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph 0884 - 2355900, Fax 2363900

Department of CIVIL Engineering

FEEDBACK FORM

Date: 14/01/2022

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2021 - 2022

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basic of ARCGIS for Hydrology

DATE/VENUE : 19-01-2022 / classroom CE-1
CIVIL Department Block System LAB

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 : 5

4. Is the topic useful for career : 5

5. Suggestion if any : —

M. Amrutha
Signature/ Name of the Student
(Optional)

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

PRAGATI ENGINEERING COLLEGE
(Autonomous)

Department of CIVIL Engineering

FEEDBACK FORM

Date: 14/02/2022

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2021 – 2022

NAME OF THE SPEAKER : V. Manideep

TITLE OF TRAINING PROGRAM : Basic of ARCGIS for hydrology

DATE/VENUE : 19/1/22 | classroom Ce-1
CIVIL Department block system lab

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 : 3

4. Is the topic useful for career : 5

5. Suggestion if any : —

V. Lakshmi Durga
Signature/ Name of the Student
(Optional)

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

INTEGRATED WASTE MANAGEMENT FOR A SMART CITY

PROF. BRAJESH KUMAR DUBEY
Department of Civil Engineering
IIT Kharagpur

INTENDED AUDIENCE : The course will be beneficial for B.Tech/M.Tech/B.Sc/M.Sc/Research Scholars/ Faculty members from different Institutions. In addition, we will strongly encourage engineers/professionals working in any area related to waste management should consider taking advantage from this unique application orientated course. Regulators (SPCB, CPCB and MOEF professionals) and policy makers will also benefit from this course.

PRE-REQUISITES : Environmental Sciences, Introduction to Environmental Engineering

INDUSTRIES APPLICABLE TO : Larsen and Tourbo, Tata Group of Industries, Ramky Group of Industries, IF&LS Environment

COURSE OUTLINE :

This course has emphasises on Integrated Solid Waste Management aspects within the broad subject area of Integrated Waste Management for a Smart City. The issues of Municipal Solid Waste (MSW) management, Construction and Demolition (C&D) Waste and Electronic Waste Management will be covered in this course. The topics will include: generation rates and waste composition; Integrated waste management issues, collection, recovery, reuse, recycling, energy-from-waste, and landfilling; Biological treatment of the oganic waste fraction - diect l and applicaion, composting, and anaerobic digestion. The environmental impact of waste management and its relationship on the big picture sustainable development and smart city development will be discussed. A major focus of this course will be the role of MSW management within the various initiatives of the Govt. of India including: Swachh Bharat Mission, Smart Cities as well as Make in India. The challenges of waste management for smart cities will also be discussed taking case studies from the first list of 20 smart cities identified in the first phase for this program. This will be followed by overview of the Construction and Demolition (C&D) Waste and Electronic Waste (E-Waste) management issues in India in general and for the smart cities in particular. The new rules with respect of C&D Waste and E-Waste Management will be covered. The challenges of managing these waste streams effectively will be discussed.

ABOUT INSTRUCTOR :

Prof Brajesh Kr. Dubey has his bachelors degree in Civil Engineering (Hons) from Indian Institute of Technology (IIT) Kharagpur, India and PhD in Environmental Engineering Sciences, University of Florida, Gainesville, Florida, USA. He is presently Associate Professor (Integrated Waste Management and Sustainable Engineering) in the Division of Environmental Engineering and Management at Indian Institute of Technology (IIT), Kharagpur, India. Dr Dubey has more than 17 years of research, teaching, training and industrial outreach experience in the areas of Integrated Solid and Hazardous Waste Management, and Sustainable Engineering and Application of Life Cycle Assessment techniques. He also works in the area of Life Cycle Analysis and Sustainable Engineering. He has been teaching courses in the area of Solid Waste Management, Hazardous Waste Management, Life Cycle Analysis and Environmental Risk Assessment among other courses for nearly a decade. He has taught at several universities in USA, Canada, New Zealand, China andIndia. He has also conducted training programs in the Integrated Waste Management areas including that for Electronics Waste. Dr Dubey has authored/co- authored more than 200 publications in his area of expertise and have presented at several national and international conferences. He has worked as Waste Management Expert for UN agencies and World Bank.

COURSE PLAN :

Week 01 : Introduction to Solid Waste Management
Week 02 : Municipal Solid Waste Characteristics and Quantities
Week 03 : MSW Rules 2016, Swachh Bharat Mission and Smart Cities Program
Week 04 : Municipal Solid Waste Collection. Transportation, Segregation and Processing
Week 05 : Disposal of Municipal Solid Waste
Week 06 : Biochemical Processes and Composting

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Week 07 : Energy Recovery from Municipal Solid Waste

Week 08 : Current Issues in Solid Waste Management and Review of MSW Management Status in First List of 20 Smart Cities in the Country

Week 09 : Construction and Demolition (C&D) Waste Management - Overview

Week 10 : C&D Waste – Regulation, Beneficial Reuse of C&D Waste Materials

Week 11 : Electronic Waste (E-Waste) Management – Issues and Status in India and Globally

Week 12 : E-Waste Management Rules 2016 and Management Challenges

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PRAGATI ENGINEERING COLLEGE

DEPARTMENT OF CIVIL ENGINEERING

List of Registered Students

Name of The Program : Integrated Waste Management for a Smart City

Academic Year : 2021 – 2022

S.No	Roll.No	Name of the Student	Dept	Duration	Certified (Yes/No)
1	17A31A0101	MONISHA CHANDRAGIRI	Civil	July – Oct 2021	Yes
2	17A31A0102	DOKKARA DURGA BHAVANI	Civil	July – Oct 2021	Yes
3	17A31A0103	BHAVANI PRASANNA GOKEDA	Civil	July – Oct 2021	Yes
4	17A31A0104	K SWETHA	Civil	July – Oct 2021	Yes
5	17A31A0105	KANDARPA RAMAA SAHITYA	Civil	July – Oct 2021	Yes
6	17A31A0106	KANDULA MOUNIKA	Civil	July – Oct 2021	Yes
7	17A31A0107	K DEEPTHI	Civil	July – Oct 2021	Yes
8	17A31A0108	K VEERA VENKATA DURGA ALEKYA	Civil	July – Oct 2021	Yes
9	17A31A0109	M HARITHA	Civil	July – Oct 2021	Yes
10	17A31A0110	MARNIDI MANIKYALADEVI	Civil	July – Oct 2021	Yes
11	17A31A0111	MATTA DEVI SOWJANYA	Civil	July – Oct 2021	Yes
12	17A31A0112	N VEERA SOWMYA LAKSHMI	Civil	July – Oct 2021	Yes
13	17A31A0113	P LAHARI SRI DEVI	Civil	July – Oct 2021	Yes
14	17A31A0114	PEMMADI RAMYA	Civil	July – Oct 2021	Yes
15	17A31A0115	NIKHILA	Civil	July – Oct 2021	Yes
16	17A31A0116	RIYA JAIN	Civil	July – Oct 2021	Yes
17	17A31A0117	ADIDYUTI SANGISETTI	Civil	July – Oct 2021	Yes
18	17A31A0118	SWAPNA UTTARENI	Civil	July – Oct 2021	Yes
19	17A31A0119	VERONICA DODDIGARLA	Civil	July – Oct 2021	Yes
20	17A31A0120	ADABALA NAVEEN BABU	Civil	July – Oct 2021	Yes
21	17A31A0121	A SIVARAM	Civil	July – Oct 2021	Yes
22	17A31A0124	BEERA MANOJKUMAR	Civil	July – Oct 2021	Yes
23	17A31A0125	D AKHIL SAI	Civil	July – Oct 2021	Yes
24	17A31A0128	SURESH GADAPA	Civil	July – Oct 2021	Yes
25	17A31A0131	GEDDAM HEMA CHANDRA BHAVANI KUMAR	Civil	July – Oct 2021	Yes
26	17A31A0133	GUNDUMOGULA ADITYA DURGA SHANMUKH	Civil	July – Oct 2021	Yes

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27	17A31A0134	K SAI SUMANTH	Civil	July – Oct 2021	Yes
28	17A31A0138	SRIKAR KURMA	Civil	July – Oct 2021	Yes
29	17A31A0140	MAMILLAPALLIPAVANKA LYAN	Civil	July – Oct 2021	Yes
30	17A31A0141	NAKKA JAWAHARLAL NEHRU	Civil	July – Oct 2021	Yes
31	17A31A0143	NETHI AKARSH	Civil	July – Oct 2021	Yes
32	17A31A0144	PALAPARTHI SRIRAM	Civil	July – Oct 2021	Yes
33	17A31A0146	PRAVEEN KUMAR PALLAPATI	Civil	July – Oct 2021	Yes
34	17A31A0147	PEDDIREDDY NAVEEN REDDY	Civil	July – Oct 2021	Yes
35	17A31A0148	PRUDHVI TEJA P	Civil	July – Oct 2021	Yes
36	17A31A0149	RAMAVARAPU MADHU	Civil	July – Oct 2021	Yes
37	17A31A0151	SAMPARA ISSAC CHANDAN	Civil	July – Oct 2021	Yes
38	17A31A0152	SARIKA SAIRAM	Civil	July – Oct 2021	Yes
39	17A31A0153	SINGARAJU MOULI SRI SAI MANOHAR	Civil	July – Oct 2021	Yes
40	17A31A0154	RAMAKRISHNA SIYYADULA	Civil	July – Oct 2021	Yes
41	17A31A0155	VASAMSETTI BHANU KIRAN	Civil	July – Oct 2021	Yes
42	17A31A0156	V VEERA NAGENDRA	Civil	July – Oct 2021	Yes
43	17A31A0157	Y CHARAN TEJA	Civil	July – Oct 2021	Yes
44	17A31A0158	ADABALA VENNELA	Civil	July – Oct 2021	Yes
45	17A31A0159	BOBBARADA PAVANI SWETHA	Civil	July – Oct 2021	Yes
46	17A31A0160	CH VSVL PRIYANKA	Civil	July – Oct 2021	Yes
47	17A31A0161	GADIKOYYALA VENKATA SURYA SRAVANI	Civil	July – Oct 2021	Yes
48	17A31A0162	KANDULA GANGA LAXMI SOWJANYA	Civil	July – Oct 2021	Yes
49	17A31A0163	MALLIPUDI JAYA SRI	Civil	July – Oct 2021	Yes
50	17A31A0164	M SURYA MOUNIKA	Civil	July – Oct 2021	Yes
51	17A31A0165	MUDUGU BLESSI	Civil	July – Oct 2021	Yes
52	17A31A0166	MULIKE AAPEKSHA	Civil	July – Oct 2021	Yes
53	17A31A0167	SINDHUSHA NAMANA	Civil	July – Oct 2021	Yes
54	17A31A0168	PVLB PRIYANKA	Civil	July – Oct 2021	Yes
55	17A31A0169	P BHARATHI	Civil	July – Oct 2021	Yes
56	17A31A0170	R S MANASI	Civil	July – Oct 2021	Yes
57	17A31A0171	RYALI TANUJA NAGA SAI	Civil	July – Oct 2021	Yes
58	17A31A0172	SREE SOUMYA	Civil	July – Oct 2021	Yes
59	17A31A0177	MAHESH	Civil	July – Oct 2021	Yes
60	17A31A0179	B SAI SREEKAR	Civil	July – Oct 2021	Yes
61	17A31A0182	CH MANOHAR	Civil	July – Oct 2021	Yes

26	16A31A0139	MUAAHID SABEEL	Civil	July – Oct 2018	Yes
27	16A31A0140	N.SATYA SAI CHITTI MANOHAR	Civil	July – Oct 2018	Yes
28	16A31A0141	P.SURYA SUNDAR KUMAR	Civil	July – Oct 2018	Yes
29	16A31A0142	PADILAM RAMAKRISHNA	Civil	July – Oct 2018	Yes
30	16A31A0143	PALAKURTHI SRIRAM SAI KRISHNA	Civil	July – Oct 2018	Yes
31	16A31A0144	PALIKI KIRAN KUMAR	Civil	July – Oct 2018	Yes
32	16A31A0145	P VINAY VARDHAN	Civil	July – Oct 2018	Yes
33	16A31A0146	P.SRINIVAS NARENDRA	Civil	July – Oct 2018	Yes
34	16a31a0147	PENTAKOTA.SAIBABU	Civil	July – Oct 2018	Yes
35	16A31A0150	SEELAM MONI ARAVIND	Civil	July – Oct 2018	Yes
36	16A31A0151	SODASANI MANIKANTA	Civil	July – Oct 2018	Yes
37	16A31A0152	SURAVARAPU HARSHAVARDHAN	Civil	July – Oct 2018	Yes
38	16A31A0153	THOTA SAIKRISHNA	Civil	July – Oct 2018	Yes
39	16A31A0154	V.RAMALINGESWAR	Civil	July – Oct 2018	Yes
40	16A31A0155	VELNATI VENKANNA DORA	Civil	July – Oct 2018	Yes
41	16A31A0156	VELUGUBANTLA SATYA VEERA VENKATA SAI RAJA	Civil	July – Oct 2018	Yes
42	16A31A0157	YALAKALA DEEPAK KUMAR	Civil	July – Oct 2018	Yes
43	16A31A0159	SINDHUBONTHU	Civil	July – Oct 2018	Yes
44	16A31A0160	DANTULURI VARSHITHA	Civil	July – Oct 2018	Yes
45	16A31A0161	DUGGIRALA SATYA SAI VINATHI	Civil	July – Oct 2018	Yes
46	16A31A0162	KAMILI RASHMITHA	Civil	July – Oct 2018	Yes
47	16A31A0164	KAMMASATHI SNEHA SANDHYA	Civil	July – Oct 2018	Yes
48	16A31A0165	KOYYALA ALISHYA	Civil	July – Oct 2018	Yes
49	16A31A0167	INDUSRI PATANI	Civil	July – Oct 2018	Yes
50	16A31A0168	PEERU SUPRIYA	Civil	July – Oct 2018	Yes
51	16A31A0169	SANTHOSHI SRAVYA	Civil	July – Oct 2018	Yes
52	16A31A0171	Y MAHA LAKSHMI BUNIYA	Civil	July – Oct 2018	Yes
53	16A31A0173	CHAKKA NEERAJ KUMAR	Civil	July – Oct 2018	Yes
54	16A31A0174	CH GURU TEJA	Civil	July – Oct 2018	Yes

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55	16A31A0175	CHAPPA LEELA JAGAN MOHAN	Civil	July – Oct 2018	Yes
56	16A31A0176	CHELLURI VINAY SAI SANATH REDDY	Civil	July – Oct 2018	Yes
57	16A31A0177	PREM CHAND	Civil	July – Oct 2018	Yes
58	16A31A0178	RAHUL CHINTA	Civil	July – Oct 2018	Yes
59	16A31A0179	CHINTALAPUDI RAMAKRISHNA BHAGAVAN	Civil	July – Oct 2018	Yes
60	16A31A0181	CHOKKAKULA RUPESH TARUN KUMAR	Civil	July – Oct 2018	Yes
61	16A31A0182	SESHA SAI	Civil	July – Oct 2018	Yes
62	16A31A0184	GOMPA SITA RAM	Civil	July – Oct 2018	Yes
63	16A31A0185	JUTTIKA SURENDRA	Civil	July – Oct 2018	Yes
64	16A31A0186	KILIMI ARAVIND REDDY	Civil	July – Oct 2018	Yes
65	16A31A0187	UDAY KIRAN K	Civil	July – Oct 2018	Yes
66	16A31A0189	SAI SWAROOP KUNA	Civil	July – Oct 2018	Yes
67	16A31A0190	LODA VARUN TEJA	Civil	July – Oct 2018	Yes
68	16A31A0191	MOHAN KUMAR MUDIKI	Civil	July – Oct 2018	Yes
69	16A31A0192	MOHAMMAD KHAJA ALI MOHIDDIN	Civil	July – Oct 2018	Yes
70	16A31A0194	NAKKA KRISHNA SRI SAI	Civil	July – Oct 2018	Yes
71	16A31A0197	P RAMA SATYA SHANKAR	Civil	July – Oct 2018	Yes
72	16A31A01A0	SWAROOP KUMAR	Civil	July – Oct 2018	Yes
73	16A31A01A1	JNANENDRA CHOWDARY	Civil	July – Oct 2018	Yes
74	16a31a01a2	PRUDHVI RAJ PYLA	Civil	July – Oct 2018	Yes
75	16A31A01A3	SAMMANGI SHYAMBBAU	Civil	July – Oct 2018	Yes
76	16A31A01A4	VENKATESH SATYAVADA	Civil	July – Oct 2018	Yes
77	16A31A01A6	THOTA NAGENDRABABU	Civil	July – Oct 2018	Yes
78	16A31A01A7	SHAKTI THOTA	Civil	July – Oct 2018	Yes
79	16A31A01A8	SOMCHANDH VADDE	Civil	July – Oct 2018	Yes
80	16A31A01A9	VENUM ROHAN SAI	Civil	July – Oct 2018	Yes
81	16A31A01B0	ROHAN VARMA.VYDANI	Civil	July – Oct 2018	Yes
82	16A31A01B1	KOUSHIK YADLAPALLI	Civil	July – Oct 2018	Yes
83	16A31A01B2	Y.RAHUL RAJ	Civil	July – Oct 2018	Yes
84	17A31A0101	MONISHA CHANDRAGIRI	Civil	July – Oct 2018	Yes

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85	17A35A0102	KEERTHI	Civil	July – Oct 2018	Yes
86	17A35A0103	K.YAMUNA BHAGAVATHI LAKSHMI PRASANNA	Civil	July – Oct 2018	Yes
87	17A35A0104	RAMINEEDI S M HARSHIKA	Civil	July – Oct 2018	Yes
88	17A35A0105	BODDETI VEERA NAGENDRA	Civil	July – Oct 2018	Yes
89	17A35A0106	KANTE SAI	Civil	July – Oct 2018	Yes
90	16A31A0107	U JABILI JOSH	Civil	July – Oct 2018	No
91	16A31A0110	V NAVYA	Civil	July – Oct 2018	No
92	16A31A0115	B MADHU BHASKAR	Civil	July – Oct 2018	No
93	16A31A0116	CH BALA GOWTHAM	Civil	July – Oct 2018	No
94	16A31A0117	CH VENKATESH	Civil	July – Oct 2018	No
95	16A31A0119	ABHILASH	Civil	July – Oct 2018	No
96	16A31A0120	G.S.R.K.V.NAGESWAR	Civil	July – Oct 2018	No
97	16A31A0123	K.MANOJ SESHA SAI KUMAR	Civil	July – Oct 2018	No
98	16A31A0129	KATTA.SAMEER CHANDRAN	Civil	July – Oct 2018	No
99	16A31A0137	RAMTEJA	Civil	July – Oct 2018	No
100	16A31A0138	N.V.S.S.D RAJ	Civil	July – Oct 2018	No
101	16A31A0148	SABBELLA V V S A SIVA REDDY	Civil	July – Oct 2018	No
102	16A31A0158	Y SIVA SATYA NARAYANA	Civil	July – Oct 2018	No
103	16A31A0163	SATYAPAVANI KALIDASU	Civil	July – Oct 2018	No
104	16A31A0166	NAGA SAI M	Civil	July – Oct 2018	No
105	16A31A0170	TURAKAPUDI HARITHA	Civil	July – Oct 2018	No
106	16A31A0172	B RAVI TEJA	Civil	July – Oct 2018	No
107	16A31A0188	VAMSI K	Civil	July – Oct 2018	No
108	16A31A0193	M.ROSHAN MANOHAR	Civil	July – Oct 2018	No
109	16A31A0195	NUNE GOPALAKRISHNA YADAV	Civil	July – Oct 2018	No

Coordinator

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NPTEL Online Certification

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

This certificate is awarded to

V.SWAMY

for successfully completing the course

Integrated Waste Management for a Smart City

with a consolidated score of **56** %

Online Assignments	22.19/25	Proctored Exam	33.75/75

Total number of candidates certified in this course: **710**

f. Anupam Basu
NPTEL Coordinator
IT Kharagpur

Jul-Oct 2018
(12 week course)

A. Goswami
Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam

Roll No: NPTEL18CE25S12000555

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

NPTEL Online Certification

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

This certificate is awarded to

MONISHA CHANDRAGIRI

for successfully completing the course

Integrated Waste Management for a Smart City

with a consolidated score of **42** %

Online Assignments	11.94/25	Proctored Exam	30/75

Total number of candidates certified in this course: **710**

Jul-Oct 2018
(12 week course)

Prof. Anupam Bas
NPTEL Coordinator
IIT Kharagpur

A. Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam

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

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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PRAGATI ENGINEERING COLLEGE

List of Registered Students

Name of the Program: Developing softskills and personality

A.Y: 2021-22

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1.	19A31A0201	A.Kavya	EEE	Aug-Oct 2021	No
2.	19A31A0204	D.S.N.L Priyanka	EEE	Aug-Oct 2021	Yes
3.	19A31A0206	G.D.S.M.L.Sneha Priya	EEE	Aug-Oct 2021	Yes
4.	19A31A0207	G.b.v.nandini	EEE	Aug-Oct 2021	Yes
5.	19A31A0208	G.Geetha VenkataLakshmi	EEE	Aug-Oct 2021	Yes
6.	19A31A0216	Naidu Srujana	EEE	Aug-Oct 2021	Yes
7.	19A31A0217	Parupudi Praharshitha	EEE	Aug-Oct 2021	Yes
8.	19A31A0223	Sudheer Kumar Allu	EEE	Aug-Oct 2021	Yes
9.	19A31A0234	K.Dhanush Varma	EEE	Aug-Oct 2021	Yes
10	19A31A0242	Dharma Sai Paruchuri	EEE	Aug-Oct 2021	Yes
11	19A31A0249	SH Abid Hussain	EEE	Aug-Oct 2021	Yes
12	19A31A0250	S Rahul	EEE	Aug-Oct 2021	Yes
13	19A31A0251	Ulli Sai Trinadh	EEE	Aug-Oct 2021	Yes
14	19A31A0257	Yenduri mr sai Krishna sri harsha	EEE	Aug-Oct 2021	Yes
15	19A31A0264	Kapu Naga Haritha Pravallika	EEE	Aug-Oct 2021	Yes
16	19A31A0265	Kasimeda Rojamani	EEE	Aug-Oct 2021	Yes
17	19A31A0274	T.Vineela	EEE	Aug-Oct 2021	Yes
18	19A31A0289	K.Bhaskar	EEE	Aug-Oct 2021	Yes
19	19A31A0294	M.S V Krishna praveen	EEE	Aug-Oct 2021	Yes
20	19A31A0297	Uma Mahesh Narla	EEE	Aug-Oct 2021	Yes
21	19A31A0299	P surya venkata Manoj	EEE	Aug-Oct 2021	Yes
22	20A35A0201	P.Jeevana sushmitha sri	EEE	Aug-Oct 2021	Yes
23	20A35A0204	K Durga Bhavani	EEE	Aug-Oct 2021	Yes

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

24	20A35A0205	J.John Banion	EEE	Aug-Oct 2021	Yes
25	20A35A0208	Kada Anand	EEE	Aug-Oct 2021	Yes
26	20A35A0209	S Ramanuz	EEE	Aug-Oct 2021	Yes
27	20A35A0210	S.Aharon	EEE	Aug-Oct 2021	Yes
28	20A35A0211	K. Guna Vardhan	EEE	Aug-Oct 2021	Yes
29	20A35A0212	Keerthi Kumar	EEE	Aug-Oct 2021	Yes
30	20A35A0218	U Sai Srinivas	EEE	Aug-Oct 2021	Yes
31	18A31A0225	Chitikela Rajesh	EEE	Aug-Oct 2021	No
32	18A31A02A7	Medisetti Ch Sai Srinivasa Sanjeev	EEE	Aug-Oct 2021	No

Coordinator

17-2-14

Roll No: NPTEL21HS57S44410269

To
NAIDU SRUJANA
3-175,REPURU
KAKINADA RURAL
KAKINADA
ANDHRA PRADESH - 533006
PH. NO :7729911356

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

credits recommended by NPTEL:2
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

NAIDU SRUJANA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **54** %

Online Assignments	22.88/25	Proctored Exam	30.64/75

Total number of candidates certified in this course: 8853

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

Aug-Oct 2021
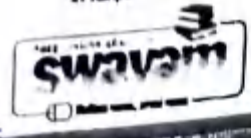(8 week course)

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. (AP)-533 437

swayam

19.6

Roll No NPTEL21HS57S34410061

206

To
GDSMLSNEHAPRIYA
34 5 33 BADAM HOUSE RAJAJI STREET
34 5 33 RAJAJI STREET KAKINADA
KAKINADA
ANDHRA PRADESH 533001
PH NO 7909422196

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

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

GDSMLSNEHAPRIYA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **54** %

| Online Assignments | 21.83/25 | Proctored Exam | 32.57/75 |

Total number of candidates certified in this course: 8853

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

Aug-Oct 2021
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

No NPTEL21HS57S34410061

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

PRINCIPAL
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Near Peddapuram, E.G Dt (AP)

INTRODUCTION TO SMART GRID

PROF. N.P. PADHY
Department of Electrical Engineering
IIT Roorkee

PROF. PREMALATA JENA
Department of Electrical Engineering
IIT Roorkee

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, POWER GRID, 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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Ph 08852 – 252233, 34 Website www.pragati.ac.in
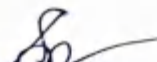
List of Registered Students

Name of the Program: Introduction to smart grid   **A.Y: 2021-22**

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	19A31A0225	CH.B.Surya Phani Sri Harsha	EEE	July-Oct 2021	Yes
2	19A31A0230	K.praveen Reddy	EEE	July-Oct 2021	Yes
3	19A31A0243	P.Sai Nithin	EEE	July-Oct 2021	Yes
4	19A31A0247	S.Pasupathi Naidu	EEE	July-Oct 2021	No
5	19A31A0255	Vella sai ganesh	EEE	July-Oct 2021	No

Coordinator

Roll No: NPTEL21EE68S14300106

To
KALAPU REDDY PRAVEEN REDDY
MUMIDIVARISTREET KAKINADA
MUMIDIVARISTREET KAKINADA
KAKINADA
ANDHRA PRADESH - 533001
PH. NO :9052013665

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

KALAPU REDDY PRAVEEN REDDY

for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **44** %

Online Assignments	13.75/25	Proctored Exam	30/75

Total number of candidates certified in this course: 386

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

Jul-Sep 2021
(8 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No:NPTEL21EE68S14300106

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

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

Roll No: NPTEL21EE68S14300027

To
CHERUKU BHUVANA SURYA PHANI SRI HARSHA
DNO:2 165 OPPOSITE BHIMESWARA TEMPLE
MAIN ROAD DRAKSHARAMA, EAST GODAVARI
EAST GODAVARI
ANDRA PRADESH 533262
PH NO 9491081553

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

CHERUKU BHUVANA SURYA PHANI SRI HARSHA

for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **43** %

Online Assignments	13.33/25	Proctored Exam	30/75

Total number of candidates certified in this course: **386**

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

Jul-Sep 2021
(8 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL21EE68S14300027

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

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PROF. MANAS DAS
Department of Mechanical Engineering
IITGuwahati

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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Ph: 08852 - 252233 / 34 Website: www.pragati.ac.in

ADVANCED MACHINING PROCESS

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 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)

NO.OF STUDENTS ENROLLED: 18

LIST OF STUDENTS ATTENDED

S.NO	ROLL NO.	NAME OF THE STUDENT
1	19A31A0332	Naga Pavan Sai Balireddy
2	19A31A03E6	Sai Dinesh

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3	19A31A03G9	N. Shyam Kumar
4	20A35A0303	Ratna Kumari Kothuri
5	20A35A0304	Meneti Rajeswari
6	20A35A0312	Nandigam Sai Kumar
7	20A35A0325	Katakam Sai Suresh
8	20A35A0327	V. Hima Bhargav Raj
9	20A35A0328	K.Chaitanya
10	20A35A0329	Sai Kumar Potnuru
11	20A35A0343	Palepu Mani Kanta
12	20A35A0344	Challapalli Durga Kiran
13	20A35A0352	Marella Ganesh
14	20A35A0360	Bokka Durga Vara Prasad
15	20A35A0361	N. Sankara Rao
16	20A35A0362	Mohammad Sadiq Ahmed
17	20A35A0363	Pasila Lokesh Satya Vardan
18	20A35A0367	Murari Gowtham

RESOURCE PERSON DETAILS

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

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
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Near Peddapuram, E.G.Dt. (AP)-533 437

19A31AC332

Roll No: NPTEL21ME89S44410292

To
NAGA PAVAN SAI BALIREDDY
69-6-10/3,V.S.RAJU COLONY, GAIGOLUPADU
ANDHRA PRADESH - 533003
PH. NO :8919788195

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

NAGA PAVAN SAI BALIREDDY

for successfully completing the course

Advanced Machining Processes

with a consolidated score of **55** %

Online Assignments	18.67/25	Proctored Exam	36/75

Total number of candidates certified in this course: 818

Aug-Oct 2021
(8 week course)

Prof. Hemant B Kaushik
Naac, Center for Educational Technology
IoTIE Coordinator IIC Institute

Indian Institute of Technology Guwahati

swayam
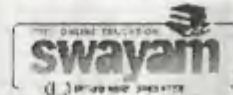
Roll No NPTEL21ME89S44410292

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

NPTEL Online Certification

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

This certificate is awarded to

SAI DINESH

for successfully completing the course

Advanced Machining Processes

with a consolidated score of **55** %

| Online Assignments | 24.79/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 818

Aug-Oct 2021
(8 week course)

Prof. Hemant B Kaushik
Head Center for Educational Technology
NPTEL Coordinator IIT Guwahati

Indian Institute of Technology Guwahati

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

PROF. RATNA KUMAR ANNABATTULA
Department of Mechanical Engineering
IIT Madras

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. 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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13

PRAGATI ENGINEERING COLLEGE
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Ph:08852 - 252201-34 Website: www.pragati.ac.in

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 ENROLLED: 1

LIST OF STUDENTS ATTENDED

S.No	Roll No.	Name of the Student
1	19A31A03E8	Bathina veera sathi babu

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.

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

Roll No: NPTEL21ME   3S24410097

To
BATHINA VEERA SATHI BABU
2-145 TOKADA ROAD
2-145 TOKADA ROAD
ELAKOLANU
ANDHRAPRADESH - 533294
PH. NO :6302791090

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

BATHINA VEERA SATHI BABU

for successfully completing the course

Basics of Materials Engineering

with a consolidated score of   **49**   %

Online Assignments	15.81/25	Proctored Exam	33/75

Total number of candidates certified in this course: **29**

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2021
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

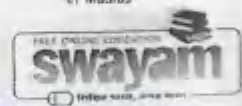Indian Institute of Technology Madras

swayam

Roll No NPTEL21ME113S24410097

PRINCIPAL
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1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G. Dist. - 533 437

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.

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
1-378,
Near Peddapuram,

52

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. 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.

TOPICS COVERED

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

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(Autonomous)
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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

NO.OF.STUDENTS ENROLLED: 26

LIST OF STUDENTS ATTENDED

S.NO	ROLL NO.	NAME OF THE STUDENT
1	19A31A0301	Apsani Sri Kruthya
2	19A31A0303	Kumpatla Sravani
3	19A31A0304	Srihitha Routhu
4	19A31A0309	A.Dileep
5	19A31A0310	B Dhana Vijay
6	19A31A0334	Nandipati Sai Suryababu
7	19A31A0346	Kailash Sai Raj
8	19A31A0350	Sarella Bhanu Prakash

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9	19A31A0389	Sivaji Palisetti
10	19A31A0399	Kasi Viswanath
11	19A31A03A1	Alevoor Shashank
12	19A31A03A2	Surendraarumilli
13	19A31A03A5	Bhanu Pradeep
14	19A31A03C2	M.Sivabhaskar
15	19A31A03D8	Sriram
16	20A35A0305	Saathvick Mangam
17	20A35A0314	Kota. Devi Sri Pranav
18	20A35A0319	Yaga Veera Venkata Manikanta
19	20A35A0321	V.V.S.S. Akhil
20	20A35A0324	Geddam Veera Naga Siva Kumar
21	20A35A0337	Siyyadula Satish
22	20A35A0340	Chavvakula Subhash
23	20A35A0342	Kotteti Sabareeswara Ganesh
24	20A35A0356	Kinthadi Mohan Adithya
25	20A35A0357	Ajay Medisetti
26	20A35A0359	Mullapudi Thara Chand

RESOURCE PERSON DETAILS

Dr. 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.

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IIAHA0301

Roll No: NPTEL21HS57S44410249

To
APSANI SRI KRUTHYA
2-49-B2,ENDOWMENTS COLONY, KAKINADA.
2-49-B2,ENDOWMENTS COLONY,KAKINADA.
KAKINADA
ANDHRA PRADESH - 533003
PH. NO :9705256991

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

APSANI SRI KRUTHYA

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **47** %

Online Assignments	15.21/25	Proctored Exam	32.24/75

Total number of candidates certified in this course: **8853**

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

Aug-Oct 2021
(8 week course)

PRINCIPAL

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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19A31A03C3

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: NPTEL21HS57S34410067

To
KUMPATLA SRAVANI
D.NO:-52-1-69/20 , PALEPU VARI STREET
JAGANNAICKPUR
KAKINADA
ANDHRA PRADESH - 533002
PH. NO :9346723714

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

KUMPATLA SRAVANI

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **64** %

Online Assignments	22.33/25	Proctored Exam	41.57/75

Total number of candidates certified in this course: **8853**

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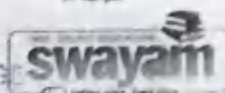Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2021
(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

Roll No: NPTEL21HS57S34410067

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PROF. NARESH V DATLA
Department of Mechanical Engineering
IIT Delhi

PROF. S.R KALE
Department of Mechanical Engineering
IIT Delhi

INTENDED AUDIENCE : All undergraduate students and other students interested in graphics design and visualization.

INDUSTRIES APPLICABLE TO : All companies across all disciplines work with drawings, hence this course is relevant to all industries of all sizes.

COURSE OUTLINE :
All engineering activities (design/ manufacturing/ operation/ servicing) for any product from any discipline involve a team of people who communicate graphically. Hence, every engineer must have exposure and some competence in presenting ideas as pictures, and be able to unambiguously interpret drawing from others. This course will help develop basic visualization competency as well as ability to representing ideas on both paper and computer.

ABOUT INSTRUCTOR :

Prof. Naresh V Datla is a faculty member in the Department of Mechanical Engineering at Indian Institute of Technology Delhi since 2014. He received his Ph.D. from University of Toronto, Canada, M.E. from Indian Institute of Science Bangalore, and B.Tech. from National Institute of Technology Warangal all in Mechanical Engineering. Prior to starting his Ph.D., he worked for about two years at Indian Space Research Organisation in Bangalore. Before joining as a faculty at IIT Delhi, he worked as a postdoctoral fellow at Temple University, USA. His teaching and research interests are in mechanical design, mechanics of materials, and failure analysis

Prof. Sunil R. Kale has been with the Department of Mechanical Engineering since 1989. He has developed and taught UG courses (thermodynamics, energy conversion, heat and mass transfer, power plant technologies, engineering drawing, and mechanical core laboratory), and PG courses (experimental methods for thermal engineering, multiphase flows). His research, academic and industry-related, is in the fields of heat transfer, fluid mechanics, fire dynamics, combustion, and energy conversion.

COURSE PLAN :

Week 1: Introduction

Week 2: Graphical Representation

Week 3: Projection Basics

Week 4: Orthographics Projections

Week 5: Auxilary And Sectional Projections

Week 6: Isometric Projections

Week 7: Working Drawings

Week 8: Introduction To CAD

Week 9: Part Modelling 1

Week 10: Part Modelling 2

Week 11: Assembly

Week 12: Design Project

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ENGINEERING GRAPHICS AND DESIGN - PEN/PAPER

COURSE OUTLINE

All engineering activities (design/ manufacturing/ operation/ servicing) for any product from any discipline involve a team of people who communicate graphically. Hence, every engineer must have exposure and some competence in presenting ideas as pictures, and be able to unambiguously interpret drawing from others. This course will help develop basic visualization competency as well as ability to representing ideas on both paper and computer.

TOPICS COVERED

Week 1:Introduction
Week 2:Graphical Representation
Week 3:Projection Basics
Week 4:Orthographics Projections
Week 5:Auxilary And Sectional Projections
Week 6:Isometric Projections
Week 7:Working Drawings
Week 8:Introduction To CAD
Week 9:Part Modelling 1
Week 10:Part Modelling 2
Week 11:Assembly
Week 12:Design Project

NO.OF.STUDENTS ENROLLED: 20

LIST OF STUDENTS ATTENDED

S.No	Roll No.	Name of the Student
1	19A31A0361	AKULA GIRI DURGA PRASAD
2	19A31A0372	K.SAI CHARAN
3	19A31A0376	KONDEPUDI SIVA DATTU
4	19A31A0378	K.KRISHNA MOULI
5	19A31A0381	LANKA.VENKATA.SRIRAM
6	19A31A0382	MAHESH PANCHIREDDI
7	19A31A0387	M. S. S. AVINASH
8	19A31A0397	T.VIKAS

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9	20A35A0306	SOMAROWTHU MAHESH BABU
10	20A35A0307	VAMSI KRISHNA PEPAKAYALA
11	20A35A0310	PADALA SATYA SHIVA SAI UDAY KARTHIK
12	20A35A0311	PALEPU DURGA PRAVEEN KUMAR
13	20A35A0320	SABBI HEMANTH NAGA SAI
14	20A35A0322	NANDAVAMSI
15	20A35A0338	PENTAKOTA SAI CHARAN
16	20A35A0339	SIRISETTI VEERA VENKATA SAI MANI SRIRAM
17	20A35A0355	VITHANALA VEERA MANIKANTA
18	20A35A0358	M. DATTA SAI SATYA SIVA
19	20A35A0365	KUNCHE ROHITH KUNAR
20	20A35A0366	K.ROSHIT

RESOURCE PERSON DETAILS

Dr. Naresh V Datla is a faculty member in the Department of Mechanical Engineering at Indian Institute of Technology Delhi since 2014.

Professor Sunil R. Kale has been with the Department of Mechanical Engineering since 1989.

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19A31A0361

Roll No: NPTEL21ME128S14410010

To
AKULA GIRI DURGA PRASAD
2-551,ADHARSA NAGAR,CHEEDIGA,INDRAPALEM
1-158/4,PAI KOTTURU,RAMESWARAM
KAKINADA
ANDHRA PRADESH - 533006
PH. NO :8639571979

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

AKULA GIRI DURGA PRASAD

for successfully completing the course

Engineering Graphics and Design

with a consolidated score of **45** %

Online Assignments	15.19/25	Proctored Exam	30/75

Total number of candidates certified in this course: **65**

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2021
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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Near Peddapuram, E.G.Dt. (AP)-533437

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19A31A0

Roll No: NPTEL21ME128S14410018

To
KAKI SAI CHARAN
VV GARDENS
KRISHNANAGAR NEAR ONEPLUS SERVICE CENTER
RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO :8885951217

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

KAKI SAI CHARAN

for successfully completing the course

Engineering Graphics and Design

with a consolidated score of **61** %

Online Assignments	21.5/25	Proctored Exam	39/75

Total number of candidates certified in this course: 65

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2021
(12 week course)

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Peddapuram

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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PROF. SAJAN KAPIL

Department of Mechanical Engineering

IIT Guwahati

INTENDED AUDIENCE : Bachelor/Master/PhD students having background in Mechanical Engineering/Production Engineering/ Manufacturing Technology

COURSE OUTLINE :

The progress of additive manufacturing processes is ever increasing with the development of the digital platform in the manufacturing sector, which is essential for the growth of modern technologies. This course is primarily designed for fundamental understanding of different additive manufacturing technologies for realizing the metallic and non-metallic objects. The syllabus is oriented to cover from basic understanding to practical applications of this technology to develop the products.

ABOUT INSTRUCTOR :

Prof. Sajan Kapil completed his Bachelor's degree in Mechanical Engineering from G. B. Pant Engineering College Pauri, Master's degree in Computer Assisted Manufacturing from IIT Guwahati & University of Stuttgart and Ph.D. from IIT Bombay. After that, he joined the Department of Mechanical Engineering IIT Guwahati as an Assistant Professor. His areas of research include 3D printing, Manufacturing Automation, and CAD/CAM.

COURSE PLAN :

Week 1 : Introduction to Additive Manufacturing

Week 2 : Computer Aided Process Planning for Additive Manufacturing

Week 3 : Computer Aided Process Planning for Additive Manufacturing

Week 4 : Liquid Additive Manufacturing

Week 5 : Liquid Additive Manufacturing

Week 6 : Sheet Additive Manufacturing

Week 7 : Wire Additive Manufacturing

Week 8 : Wire Additive Manufacturing

Week 9 : Wire Additive Manufacturing

Week 10 : Powder Additive Manufacturing

Week 11 : Powder Additive Manufacturing

Week 12 : Powder Additive Manufacturing

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FUNDAMENTALS OF ADDITIVE MANUFACTURING TECHNOLOGIES

COURSE OUTLINE

The progress of additive manufacturing processes is ever increasing with the development of the digital platform in the manufacturing sector, which is essential for the growth of modern technologies. This course is primarily designed for fundamental understanding of different additive manufacturing technologies for realizing the metallic and non-metallic objects. The syllabus is oriented to cover from basic understanding to practical applications of this technology to develop the products. Therefore, the academic people, as well as the industrial practitioner both, will be benefitted from this course. The special emphasis is given to link computer interface with the digital manufacturing process and their demonstration using commercially available software. The modules cover almost all the direction of additive manufacturing technologies, and it is blended with fundamental development to the recent technologies. The audience will be able to develop a fundamental understanding of different perspectives and recent development in this field through the lectures, skill development through demonstration, and reinforce their knowledge by solving assignments. This course is presented in a lucid and simplified way to make it enjoyable to the beginners.

TOPICS COVERED

Week 1 :Introduction to Additive Manufacturing
Week 2 :Computer Aided Process Planning for Additive Manufacturing
Week 3 :Computer Aided Process Planning for Additive Manufacturing
Week 4 :Liquid Additive Manufacturing
Week 5 :Liquid Additive Manufacturing
Week 6 :Sheet Additive Manufacturing
Week 7 :Wire Additive Manufacturing
Week 8 :Wire Additive Manufacturing
Week 9 :Wire Additive Manufacturing
Week 10 :Powder Additive Manufacturing
Week 11 :Powder Additive Manufacturing
Week 12 :Powder Additive Manufacturing

NO.OF.STUDENTS ENROLLED: 2

LIST OF STUDENTS ATTENDED

S.No	Roll No.	Name of the Student
1	20A35A0346	RAVI CHANDU PALIVELA
2	20A35A0354	S.V.S.E. DAMODAR BABU

RESOURCE PERSON DETAILS

Dr. Sajan Kapil completed his Bachelor's degree in Mechanical Engineering from G. B. Pant Engineering College Pauri., Master's degree in Computer Assisted Manufacturing from IIT Guwahati & University of Stuttgart and Ph.D. from IIT Bombay.

Roll No: NPTEL21ME115S34410024

To
PALIVALA RAVI CHANDU
2-128, RAMALAYAM STREET, PANASAPADU
ANDHRA PRADESH 533005
PH. NO :9959644917

(handwritten) 20A35A0346
2020-23
III - MECH - 'D'

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

PALIVALA RAVI CHANDU

for successfully completing the course

Fundamentals of Additive Manufacturing Technologies

with a consolidated score of **53** %

Online Assignments	17.35/25	Proctored Exam	35.97/75

Total number of candidates certified in this course: 171

Jul-Oct 2021
(12 week course)

PRINCIPAL

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

Indian Institute of Technology Guwahati

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Near Peddapuram

swayam

FUNDAMENTALS OF MANUFACTURING PROCESSES

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

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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FUNDAMENTALS OF MANUFACTURING PROCESSES

COURSE OUTLINE

It is proposed to include fundamental of following aspects of manufacturing technology

A) 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

B) 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

C) 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

D) 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

E) 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.

F) Improving properties: heat treatment of steel and aluminum alloys, Fe-C diagram, ITT 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.

TOPICS COVERED

Week 1 :	Understanding Manufacturing
	Fundamental approaches of manufacturing
	Manufacturing process specific advantages and limitation
	Materials and manufacturing processes
	Classification of manufacturing processes
Week 2 :	Selection of manufacturing processes
	Application of manufacturing processes
	Effect of manufacturing processes on properties of metals
	Break-even point analysis in manufacturing processes
	Metal Casting: Introduction & Suitability
Week 3 :	Metal Casting: Steps of casting processes
	Metal Casting: Terminology
	Metal Casting: Pattern allowances I
	Metal Casting: Pattern allowances II
	Metal Casting: Sand Moulding I
Week 4 :	Metal Casting: Sand Moulding II
	Metal Casting: Core & Core Prints
	Metal Casting: Gating System
	Metal Casting: Yield
	Metal Casting: Riser Design
Week 5 :	Metal Casting: Cleaning of casting
	Metal Casting: Casting defects & their prevention

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(Recognised by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)
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	Metal Casting: Shell molding
	Metal Casting: Investment and permanent mould casting
	Metal working processes: Hot and cold working
Week 6 :	Metal working processes: Rolling
	Metal working processes: Forging
	Metal working processes: Extrusion
	Metal working processes: Wire Drawing
	Metal working processes: Press
Week 7 :	Metal working processing: Sheet metal operations (Shearing)
	Metal working processing: Sheet metal operations II
	Metal working processing: Sheet metal operations III
	Metal working processing: Dies and die set
	Material removal processes: Machining
Week 8 :	Material removal processes: Mechanism of the metal cutting
	Material removal processes: Chip Formation
	Material removal processes: Types of chips and power consumption
	Material removal processes: Heat generation
	Material removal processes: Tool failure and tool life
Week 9 :	Material removal processes: Tool materials
	Material removal processes: Cutting fluids
	Material removal processes: Grinding I
	Material removal processes: Grinding II
	Material removal processes: Grinding III
Week 10 :	Material removal processes: Grinding operations
	Joining of metals: Fundamentals I
	Joining of metals: Fundamentals II
	Joining of metals: Welding processes I
	Joining of metals: Brazing, soldering and weldability
Week 11 :	Joining of metals: Weldability and welding defects
	Heat treatment: Fundamentals
	Heat treatment: Fundamentals II
	Heat treatment: Fundamentals III
	Heat treatment: Normalizing and hardening
Week 12 :	Heat treatment: Tempering
	Improving surface properties: Introduction
	Improving surface properties: Surface modification processes I
	Improving surface properties: Changing chemical composition
	Improving surface properties: Coating

NO.OF.STUDENTS ENROLLED: 28

LIST OF STUDENTS ATTENDED

S.No	Roll No.	Name of the Student
1	19A31A0314	DANDI NARENDRA

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2	19A31A0328	M T V PAVAN KUMAR
3	19A31A0339	POLAVARAPU NAGENDRA
4	19A31A0345	RONGALA SIVA SANKAR SURYA PRAKASH
5	19A31A0353	I.HARISH
6	19A31A0354	TSALIKI DIWAKAR
7	19A31A03A3	BADIPATI KUMAR VEERA MALLESWAR
8	19A31A03A6	JAGADEESH
9	19A31A03B0	DURGA SAI PENNADA
10	19A31A03B1	G. S. V. D PAVAN SAI
11	19A31A03B2	KAGITALA HARI HARA KRISHNA PRASAD
12	19A31A03B3	KAMIREDDY MANEESH NAGA SATYANARAYANA
13	19A31A03B7	SAI TARUNKUMAR
14	19A31A03C0	MANTRIPRAGADA SATYA SAI KRISHNA SHASHANKH
15	19A31A03C8	R.B.SRI RAMA MURTHY
16	19A31A03D1	SHAIK JAKEER HUSSAIN
17	19A31A03D3	SRI NAGA CHARAN GAMPALA
18	19A31A03D4	T.V.MANIKANTA
19	19A31A03D7	URIVITI ASHISH
20	19A31A03E5	A LAKSHMI NARAYANA ABHAY
21	19A31A03F0	CH SAISRIHARI
22	19A31A03H2	VYKUNTA VEERA GANESH REDDY

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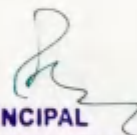(Recognised by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)
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23	20A35A0301	GOVARDHANAM APARNA
24	20A35A0302	PALLPU YUVA SRI DEVI SANJANA
25	20A35A0326	GANTETI NOOKARAJU
26	20A35A0335	SANDEEP MULLA
27	20A35A0347	SHAIK HAZARATH KARIMULLA REHAMAN
28	20A35A0353	HIMANTHSATYAMANOHAR

RESOURCE PERSON DETAILS

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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19A31A0314

Roll No: NPTEL21ME81544410300

To
DANDI NARENDRA
3-9,SC PETA
MADHAVAPATNAM,SAMARLAKOTA
MADHAVAPATNAM
ANDHARA PRADESH - 533005
PH. NO :6304422827

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

DANDI NARENDRA

for successfully completing the course

Fundamentals of Manufacturing Processes

with a consolidated score of **53** %

Online Assignments	23.44/25	Proctored Exam	30/75

Total number of candidates certified in this course: 519

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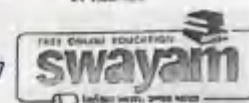Coordinator, Continuing Education Centre
IT Roorkee

Jul-Oct 2021
(12 week course)

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Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

19A31A0334

Roll No: NPTEL21HS57S44410275

To
NANDIPATI SAI SURYABABU
D NO-2-55, BHASKARARAO STREET
PANDURU
KAKINADA
ANDHRAPRADESH 533005
PH NO 8074045989

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

NANDIPATI SAI SURYABABU

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **55** %

Online Assignments	22.63/25	Proctored Exam	32.64/75

Total number of candidates certified in this course: **8853**

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

Aug-Oct 2021
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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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)

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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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 ENROLLED: 1

LIST OF STUDENTS ATTENDED

S.No	Roll No.	Name of the Student
1	19A31A0363	BOBBARA LAKSHMI SHARANAM KURAM

RESOURCE PERSON DETAILS

Prof. Jhareswar Maity, 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 Economics.

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Roll No: NPTEL21MG59S24410071

To
BOBBARA LAKSHMI SHARANAM KURAM
KOTHA YERRAVARAM, YELESWARAM MANDAL
ANDHRA PRADESH - 533435
PH. NO :9014992789

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

BOBBARA LAKSHMI SHARANAM KURAM

for successfully completing the course

Industrial Safety Engineering

with a consolidated score of **50** %

Online Assignments	17.19/25	Proctored Exam	33/75

Total number of candidates certified in this course: 293
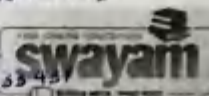
Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jul-Oct 2021
(12 week course)

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

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22

CLOUD COMPUTING

BROCHURE

CLOUD COMPUTING
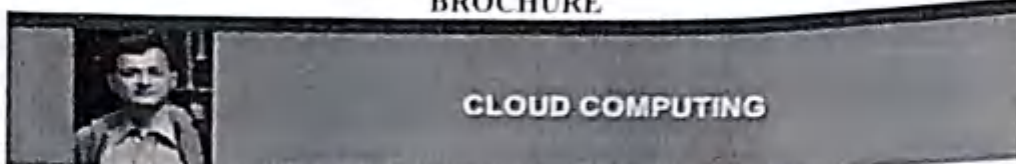
PROF. SOUMYA KANTI GHOSH
Department of Computer Science and Engineering
IIT Kharagpur

PRE-REQUISITES : Basics of Computer Architecture and Organization, Networking
INTENDED AUDIENCE : CSE, ECE, EE
INDUSTRIES APPLICABLE TO : IT industries

COURSE OUTLINE :
Cloud computing is a scalable services consumption and delivery platform that provides on-demand computing service for shared pool of resources, namely servers, storage, networking, software, database, applications etc., over the Internet. It is a model for enabling ubiquitous, on-demand access to a shared pool of configurable computing resources, which can be rapidly provisioned and released with minimal management effort. This course will introduce various aspects of cloud computing, including fundamentals, management issues, security challenges and future research trends. This will help students (both UG and PG levels) and researchers to use and explore the cloud computing platforms.

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.

COURSE PLAN :

Week 1: Introduction to Cloud Computing

Week 2: Cloud Computing Architecture

Week 3: Service Management in Cloud Computing

Week 4: Data Management in Cloud Computing

Week 5: Resource Management in Cloud

Week 6: Cloud Security

Week 7: Open Source and Commercial Clouds, Cloud Simulator

Week 8: Research trend in Cloud Computing, Fog Computing

Week 9: VM Resource Allocation, Management and Monitoring

Week 10: Cloud-Fog-Edge enabled Analytics

Week 11: Serverless Computing and FaaS Model

Week 12: Case Studies and Recent Advancements

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LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	20A31A05E7	M.Priyanka
2	20A31A05I1	Karthik
3	20A31A05D0	A.AmulyaSai
4	20A31A05D1	A.Devi Krishna
5	20A31A05F0	M.Sowjanya
6	20A31A05F7	Likitha T

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A05F7	Likitha T	Cloud Computing	Elite
2	20A31A05E7	M.Priyanka	Cloud Computing	Elite
3	20A31A05D1	A.Devi Krishna	Cloud Computing	Elite
4	20A31A05D0	A.AmulyaSai	Cloud Computing	Elite
5	20A31A05F0	M.Sowjanya	Cloud Computing	Successfully Completed

Coordinator

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

SAMPLE CERTIFICATES

Roll No: NPTEL22CS20534260323

To
MUMMIDI VENKATA SOWJANYA
58-17/7, PILLA KALUVA ROAD, V.S.NAGAR
INDRAPALEM
KAKINADA
ANDHRAPRADESH - 533005
PH. NO 7032796630

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

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MUMMIDI VENKATA SOWJANYA
for successfully completing the course

Cloud Computing

with a consolidated score of **57** %

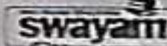| Online Assignments	24.06/25	Proctored Exam	33.07/75

Total number of candidates certified in this course: 4701

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS20534260323

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

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

Roll No: NPTEL22CS20S34260055

To
MASINA PRIYANKA
DR SETTY D A V SARGANTHAM STREET
SATAM CENTER URAN CENTRAL OF INDIA
SAMALKOT
ANDHRA PRADESH - 533440
PH. NO: 9581222207

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 MoE, Govt. of India)

This certificate is awarded to

MASINA PRIYANKA

for successfully completing the course

Cloud Computing

with a consolidated score of **60** %

Online Assignments	22.72/25	Proctored Exam	36.34/75

Total number of candidates certified in this course: 4701

Prof. Jayanta Mukhopadhyay
Dean (Outreach)
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Chairman, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS20S34260055

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

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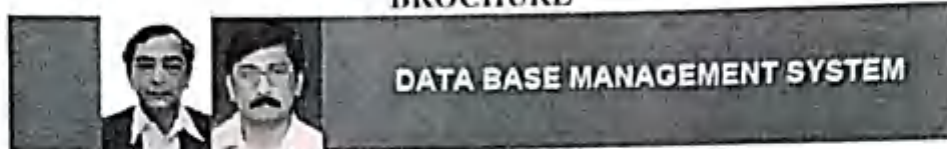**PRAGATI ENGINEERING COLLEGE**
(AUTONOMOUS)
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Near Peddapuram, E.G.Dt. (AP)-533 437

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22
DATA BASE MANAGEMENT SYSTEM

BROCHURE

DATA BASE MANAGEMENT SYSTEM

PROF. PARTHA PRATIM DAS
Department of Computer Science and Engineering
IIT Kharagpur
PROF. SAMIRAN CHATTOPADHYAY
Department of Computer Science and Engineering
IIT Kharagpur

PRE-REQUISITES : Procedural and / or Object-Oriented Programming (C / C++ / Java / Python), Data Structures, Algorithms

INTENDED AUDIENCE : Students from all disciplines can enroll for this course.

INDUSTRIES APPLICABLE TO : DBMS is so fundamental that all companies dealing with systems as well as application development (including web, IoT, embedded systems, data mining, machine learning) have a need for the same. These include – Microsoft, Samsung, Xerox, Yahoo, Google, IBM, TCS, Infosys, Amazon, Flipkart, etc.

COURSE OUTLINE :

Databases form the backbone of all major applications today – tightly or loosely coupled, intranet or internet based, financial, social, administrative, and so on. Structured Database Management Systems (DBMS) based on relational and other models have long formed the basis for such databases. Consequently, Oracle, Microsoft SQL Server, Sybase etc. have emerged as leading commercial systems while MySQL, PostgreSQL, etc. lead in open source and free domain. While DBMS's differ in details, they share a common set of models, design paradigms and a Structured Query Language (SQL).

While DBMS's differ in the details, they share a common set of models, design paradigms and a Structured Query Language (SQL). In this background the course examines data structures, file organizations, concepts and principles of DBMS's, data analysis, database design, data modeling, database management, data & query optimization, and database implementation. More specifically, the course introduces relational data models; entity-relationship modeling, SQL, data normalization, and database design. Further it introduces query coding practices using MySQL (or any other open system) through various assignments. Design of simple multi-tier client / server architectures based and Web-based database applications is also introduced.

ABOUT INSTRUCTOR :

Prof. Partha Pratim Das received his BTech, MTech and PhD degrees in 1984, 1985 and 1988 respectively from IIT Kharagpur. He served as a faculty in Department of Computer Science and Engineering, IIT Kharagpur from 1988 to 1998. In 1998, he joined Alumnus Software Ltd as a Business Development Manager. From 2001 to 2011, he worked for Interra Systems, Inc. as a Senior Director and headed its Kolkata Center. In 2011, he joined back to Department of Computer Science and Engineering, IIT Kharagpur as Professor. Prof. Das has also served as a Visiting Professor with Institute of Radio Physics and Electronics, Calcutta University from 2003 to 2013.

Prof. Das is currently the Head of Rajendra Mishra School of Engineering Entrepreneurship, the Professor-inCharge of the upcoming Research Park of IIT Kharagpur at Rajarhat, Kolkata, and the Joint Principal Investigator of National Digital Library of India project of MHRD.

Prof. Das has taught several courses in Computer Science including Software Engineering, Object-Oriented Systems, Programming and Data Structure, Compiler Design, Design and Analysis of Algorithms, Information System Design, Database Management Systems, Computational Geometry, Principles of Programming Languages, Embedded Systems, and Image Processing. Jointly with 2 others, he has also offered a course on Introduction to Design of Algorithms under the T10KT program of NME-ICT, MHRD (https://www.facebook.com/t10kt.algorithms/) to nearly 7000 teachers. Further, Dr. Das has been offering Programming in C++ and Object-Oriented Analysis and Design in NPTEL-NOC. Both courses are regularly attended by thousands of students.

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

Prof. Das has published over 40 technical papers in international journals in areas of Digital Geometry, Image Processing, Parallel Computing and Knowledge based Systems. In 2013 he has co authored a research monograph titled Digital Geometry in Image Processing (CRC Press). His current interests include Human Computer Interactions, Computer Analysis of Indian Classical Dance, Object-Oriented Systems Analysis and Design, Software Engineering, Compiler Technology, and Technology Enabled Learning. Dr. Das is a member of Association of Computing Machinery (ACM), The Institute of Electrical and Electronics Engineers (IEEE), and Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI)

Prof.Samiran Chattopadhyay obtained his B Tech and M Tech degree in 1987 and 1989 respectively from IIT Kharagpur. He obtained his PhD degree from Jadavpur University in 1993. He served as a faculty in the Department of Computer Science and Engineering, Jadavpur University from 1989 to 1993. In 1993, he moved to industry and joined back the same department in Jadavpur University as an Associate Professor in 1997. Since 2001, he is a Professor of Information Technology in Jadavpur University.

Prof. Chattopadhyay is also a visiting fellow of the University of Northumbria, Newcastle upn Tyne UK. He was an adjunct faculty at IIT Kharagpur for the Distributed Systems course and a visiting faculty member for the M Tech course by IIT Kharagpur which was offered in distance learning mode.
Dr. Chattopadhyay has more than two decades of experience of serving reputed Industry houses including Mindware, Computer Associates TCG Software, Interra Systems India Ltd. He is also a project consultant of the prestigious National Digital Library Mission of Government of India.

Pro. Chattopadhyay has taught several courses in Computer Science including Software Engineering, Object-Oriented Systems, Programming and Data Structure, Compiler Design, Design and Analysis of Algorithms, Information System Design, Database Management Systems, Ad hoc Wireless Networks, Cloud Computing. Dr. Chattopadhyay has been a co-faculty in Database Management Systems in NPTEL-NOC.

Prof. Chattopadhyay has published over 60 technical papers in international journals in the areas of Wireless Networks, Network Security, Machine learning applications. He has co- authored a research monograph titled 'Digital Geometry in Image Processing', a textbook titled 'Data Structures through C' and 'Big Data in e-Healthcare'. His current research interests include Network Security, Machine learning, Wireless network and Pervasive computing.

COURSE PLAN :

Week 1: Course Overview, Introduction to RDBMS
Week 2: Structured Query Language (SQL)
Week 3: Relational Algebra, Entity-Relationship Model
Week 4: Relational Database Design
Week 5: Application Development, Case Studies, Storage and File Structure
Week 6: Indexing and Hashing, Query Processing
Week 7: Query Optimization, Transactions (Serializability and Recoverability)
Week 8: Concurrency Control, Recovery Systems, Course Summarization

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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 NAAC with 'A' Grade)

(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	20A31A05D0	A.AmulyaSai
2	20A31A05D2	B.S DurgaBhavani
3	20A31A05D1	A.Devi Krishna
4	20A31A05D9	HafsaSadiya
5	21A31A05E5	L.Vaishnavi
6	20A31A05F3	P.MadhuriDeepika
7	20A31A05F7	T.Likitha
8	20A31A05E7	M.Priyanka
9	20A31A05E6	M.Sujana
10	20A31A05H7	M.Appanna Dora

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A05D0	A.AmulyaSai	Data Base Management System	Successfully Completed
2	20A31A05D2	B.S DurgaBhavani	Data Base Management System	Elite
3	20A31A05F7	T.Likitha	Data Base Management System	Successfully Completed
4	20A31A05E7	M.Priyanka	Data Base Management System	Successfully Completed
5	20A31A05H7	M.Appanna Dora	Data Base Management System	Elite
6	20A31A05D1	A.Devi Krishna	Data Base Management System	Elite
7	20A31A05E5	L.Vaishnavi	Data Base Management System	Successfully Completed

Coordinator

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

SAMPLE CERTIFICATES

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS51S34290181

To,
MASINA PRIYANKA
DR.NO16-8-14 MAGANTIVARISTREET
MATAM CENTER,NEAR CENTRAL OF INDIA
SAMALKOT
ANDHRAPRADESH - 520440
PH. NO (8661272767

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-89	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 MoE, Govt. of India)

This certificate is awarded to

MASINA PRIYANKA
for successfully completing the course

Data Base Management System

with a consolidated score of **53** %

| Online Assignments | 22.5/25 | Proctored Exam | 30/75 |

Total number of candidates certified in this course: 2095

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Mar 2022
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS51S34290181

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

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

Roll No: NPTEL22CS51S44290084

To
MALIREDDI APPANNA DORA
NEAR BSNL TOWER,MALLAM
VINAYAKA STREET, MALLAM
PITHAPURAM
ANDHRA PRADESH - 533450
PH. NO :7075014363

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 MoE, Govt. of India)

This certificate is awarded to

MALIREDDI APPANNA DORA
for successfully completing the course
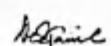
Data Base Management System

with a consolidated score of **60** %

Online Assignments	22.08/25	Proctored Exam	37.75/75

Total number of candidates certified in this course: 2095

Prof. Jayanta Mukhopadhyay
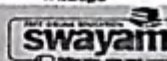Dean Outreach
IIT Kharagpur

Jan-Mar 2022
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS51S44290084

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

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

2021-22
PROBLEM SOLVING THROUGH PROGRAMMING IN C
BROCHURE

PROBLEM SOLVING THROUGH PROGRAMMING IN C
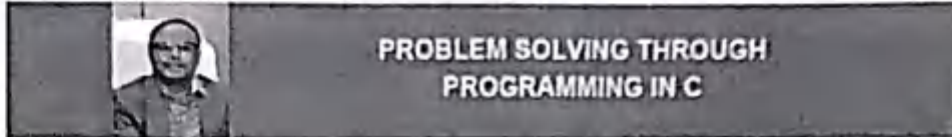
PROF. ANUPAM BASU
Department of Computer Science and Engineering
IIT Kharagpur

INTENDED AUDIENCE : BE/BTech in all disciplines BCA/MCA/M. Sc
INDUSTRIES APPLICABLE TO : All IT Industries
COURSE OUTLINE : This course is aimed at enabling the students to

- Formulate simple algorithms for arithmetic and logical problems
- Translate the algorithms to programs (in C language)
- Test and execute the programs and correct syntax and logical errors
- Implement conditional branching, iteration and recursion
- Decompose a problem into functions and synthesize a complete program using divide and conquer approach
- Use arrays, pointers and structures to formulate algorithms and programs
- Apply programming to solve matrix addition and multiplication problems and searching and sorting problems
- Apply programming to solve simple numerical method problems, namely rot finding of function, differentiation of function and simple integration

ABOUT INSTRUCTOR :
Prof. Anupam Basu is Professor in the Dept. of Computer Science Engineering, IIT Kharagpur, and has been an active researcher in the areas of Cognitive and Intelligent Systems, Embedded Systems and Language Processing. Presently he is acting as the Chairman and Head of the Center for Educational Technology, IIT Kharagpur. He has developed several embedded system based tools empowering the physically challenged and has led several national projects in the area. He has taught at the University of California, Irvine at the Center for Embedded Systems. He is an Alexander von Humboldt Fellow and a Fellow of the Indian National Academy of Engineering. The awards won by him include the State Award for the Best Contribution to the Cause of Empowerment of the Disabled (2014), Universal Design Award 2011, for contributions in design for the disabled, by National Council for Promotion of Employment of Disabled Persons, India, the National Award for the Best Technology Innovation for the Physically Disabled (2007) and the Da-Vinci Award 2004 from the Engineering Society of Detroit.

COURSE PLAN :

Week 1: Introduction to Problem Solving through programs, Flowcharts/Pseudo codes, the compilation process, Syntax and Semantic errors, Variables and Data Types

Week 2: Arithmetic expressions, Relational Operations, Logical expressions; Introduction to Conditional Branching

Week 3: Conditional Branching and Iterative Loops

Week 4: Arranging things : Arrays

Week 5: 2-D arrays, Character Arrays and Strings

Week 6: Basic Algorithms including Numerical Algorithms

Week 7: Functions and Parameter Passing by Value

Week 8: Passing Arrays to Functions, Call by Reference

Week 9: Recursion

Week 10: Structures and Pointers

Week 11: Self-Referential Structures and Introduction to Lists

Week 12: Advanced Topics

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\`am, E.\`

PRAGATI ENGINEERING COLLEGE

LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	20A31A0538	G.PavanSatyaSai

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A0538	G.PavanSatyaSai	Problem Solving Through Programming In C	Elite

Coordinator

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
.37

SAMPLE CERTIFICATE

Roll No: NPTEL22CS45S14260802

To
GADE PAVAN SATYA SAI
JALARI STREET,LEST HOUSE ROAD
SURAMPEDONATYA STREET
BHIMAVARAM
ANDHRA PRADESH - 534201
PH. NO. 6331999944

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

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

GADE PAVAN SATYA SAI

for successfully completing the course

Problem Solving through Programming in C

with a consolidated score of **66** %

Online Assignments	11.19/25	Programming Exam	25/25	Proctored Exam	30/50

Total number of candidates certified in this course: 2233

Prof. Jayanta Mukhopadhyay
Dean (Outreach)
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL22CS45S14260802

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

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON
BROCHURE

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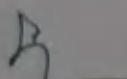
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Near Peddapuram, E.G.Dt. (AP)-533 437

PRAGATI ENGINEERING COLLEGE

LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	20A31A0505	Gadi Divya Sri
2	21A31A0519	Maddela Evangeline
3	20A31A05A8	Abhinav Gunipe
4	20A31A05B0	Jaswanth Donepudi
5	20A31A0557	Setti Hariharamanikanta
6	20A31A0589	Setti Venkata Kalyani
7	20A31A05D2	B.S DurgaBhavani

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A0589	Setti Venkata Kalyani	Programming, Data Structures and Algorithms Using Python	Elite
2	21A31A0519	Maddela Evangeline	Programming, Data Structures and Algorithms Using Python	Elite
3	20A31A0557	Setti Hariharamanikanta	Programming, Data Structures and Algorithms Using Python	Elite
4	20A31A05D2	B.S DurgaBhavani	Programming, Data Structures and Algorithms Using Python	Elite + Silver

Coordinator

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

SAMPLE CERTIFICATES

Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MADDALA HEMANTH

for successfully completing the course

Programming, Data Structures and Algorithms
Using Python

with a consolidated score of **70** %

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

Total number of candidates certified in this course: 1825

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL22CS70S14760005   To validate the certificate   No. of credits recommended: 2 or 3

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

Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

SETTI VENKATA KALYANI

for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of **68** %

Online Assignments	21.88/25	Programming Assignment	25/25	Proctored Exam	21.25/50

Total number of candidates certified in this course: **1825**

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2022
(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras.

swayam
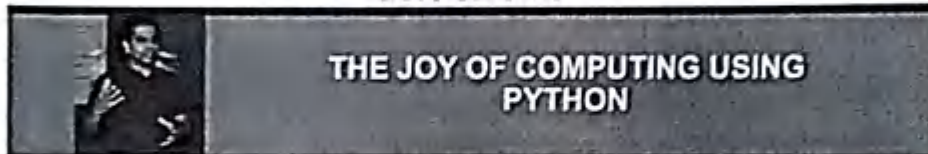
Roll No: NPTEL22CS70S14080051

To validate the certificate

No. of credits recommended: 2 or 3

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22

JOY OF COMPUTING USING PYTHON
BROCHURE

THE JOY OF COMPUTING USING PYTHON

PROF. SUDARSHAN IYENGAR
Department of Computer Science and Engineering
IIT Ropar

INTENDED AUDIENCE : Any interested audience
PREREQUISITES : 10th standard/high school
INDUSTRY SUPPORT : Every software company is aware of the potential of a first course in computer science. Especially of a first course in computing, done right.

COURSE OUTLINE :
A fun filled whirlwind tour of 30 hrs, covering everything you need to know to fall in love with the most sought after skill of the 21st century. The course brings programming to your desk with anecdotes, analogies and illustrious examples. Turning abstractions to insights and engineering to art, the course focuses primarily to inspire the learner's mind to think logically and arrive at a solution programmatically. As part of the course, you will be learning how to practice and culture the art of programming with Python as a language. At the end of the course, we introduce some of the current advances in computing to motivate the enthusiastic learner to pursue further directions.

ABOUT INSTRUCTOR :
Prof. Sudarshan Iyengar, Associate Professor at the CSE at IIT Ropar has a Ph.D. from the Indian Institute of Science (IISc). An exemplary teacher who has delivered over 350 popular science talks to students of high school and advanced graduate programmes. Prof. Sudarshan has offered more than 100 hours of online lectures with novel teaching methodologies that have reached lakhs of Students. His research interests include Data Sciences, Social Computing, Social Networks, Collective Intelligence, Crowdsourced Technologies and Secure Computation.

COURSE PLAN :

- Motivation for Computing
- Welcome to Programming!!
- Variables and Expressions : Design your own calculator
- Loops and Conditionals : Hopscotch once again
- Lists, Tuples and Conditionals : Lets go on a trip
- Abstraction Everywhere : Apps in your phone
- Counting Candies : Crowd to the rescue
- Birthday Paradox : Find your twin
- Google Translate : Speak in any Language
- Currency Converter : Count your foreign trip expenses
- Monte Hall : 3 doors and a twist
- Sorting : Arrange the books
- Searching : Find in seconds
- Substitution Cipher : What's the secret ?
- Sentiment Analysis : Analyse your Facebook data
- 20 questions game : I can read your mind
- Permutations : Jumbled Words
- Spot the similarities : Dobble game
- Count the words : Hundreds, Thousands or Millions.
- Rock, Paper and Scissor : Cheating not allowed !!
- Lie detector : No lies, only TRUTH
- Calculation of the Area : Don't measure.
- Six degrees of separation : Meet your favourites
- Image Processing : Fun with images
- Tic tac toe : Let's play
- Snakes and Ladders : Down the memory lane.
- Recursion : Tower of Hanoi
- Page Rank : How Google Works !!

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Peddapuram, E.G.Dt. (AP)-533 37

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(Autonomous)

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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	20A31A0504	DulkarnineRaseeda
2	20A31A0509	KovvuriGeetaMadhurya
3	20a31a0538	GadePavanSatyaSai
4	20A31A05B7	M.ChandraMouli
5	20A31A05C4	Shaik John Basha
6	20A31A0585	PentaTanujaSandhya

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A05B7	M.ChandraMouli	Joy Of Computing Using Python	Elite+Gold
2	20A31A05C4	Shaik John Basha	Joy Of Computing Using Python	Elite

PRINCIPAL
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(AUTONOMOUS)
" '-378, ADB ROAD, SURAMPALEM

Coordinator

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

CHANDRAMOULI MEDIBOYINA

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **94** %

Online Assignments	24.81/25	Programming Assignment	25/25	Proctored Exam	44/50

Total number of candidates certified in this course: 9957

Prof. Devendra Jalihal
Chairman,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2022
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam
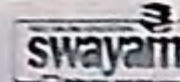
Roll No: NPTEL22CS122S54130418   To validate the certificate   No. of credits recommended: 3 or 4

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

SHAIK JOHN BASHA

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **68** %

Online Assignments	24.97/25	Proctored Exam	43.08/75

Total number of candidates certified in this course: 10672

Prof. Devendra Jalihal
Chairman,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023
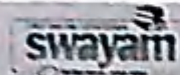(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS20S34830405   To validate the certificate   No. of credits recommended: 3 or 4
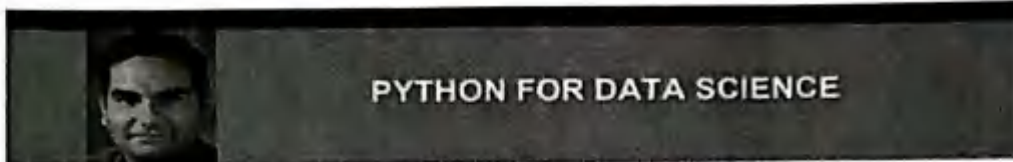
PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22
PYTHON FOR DATA SCIENCE

BROCHURE

PYTHON FOR DATA SCIENCE

PROF. RAGHUNATHAN RENGASAMY
Department of Chemical Engineering
IIT Madras

PRE-REQUISITES : Knowledge of basic data science algorithms

INTENDED AUDIENCE : Final Year Undergraduates

COURSE OUTLINE :
The course aims at equipping participants to be able to use python programming for solving data science problems

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 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.

COURSE PLAN :
Week 1:
BASICS OF PYTHON SPYDER (TOOL)
- Introduction Spyder
- Setting working Directory
- Creating and saving a script file
- File execution, clearing console, removing variables from environment, clearing environment
- Commenting script files
- Variable creation
- Arithmetic and logical operators
- Data types and associated operations

Week 2:
Sequence data types and associated operations
- Strings
- Lists
- Arrays
- Tuples
- Dictionary
- Sets
- Range

NumPy
- ndArray

Week 3:
Pandas dataframe and dataframe related operations on Toyota Corolla dataset
1. Reading files
2. Exploratory data analysis
3. Data preparation and preprocessing
Data visualization on Toyota Corolla dataset using matplotlib and seaborn libraries
1. Scatter plot
2. Line plot
3. Bar plot
4. Histogram
5. Box plot
6. Pair plot
Control structures using Toyota Corolla dataset
1. if-else family
2. for loop
3. for loop with if break
4. while loop
5. Functions

Week 4: CASE STUDY

Regression
1. Predicting price of pre-owned cars
Classification
1. Classifying personal income

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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	20A31A05D0	A.AmulyaSai
2	20A31A05D2	B.S DurgaBhavani
3	20A31A0505	GadiDivya Sri
4	20A31A05D9	HafsaSadiya
5	20A31A0591	TamadaKiranDeepthi
6	20A31A05F3	P.MadhuriDeepika
7	20A31A05G9	GaddeSrinivas
8	20A31A05E7	M.Priyanka
9	20A31A0556	SarellaUdayaBhaskara Suresh

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A05D0	A.AmulyaSai	Python For Data Science	Elite
2	20A31A05D2	B.S DurgaBhavani	Python For Data Science	Elite
3	20A31A05F3	P.MadhuriDeepika	Python For Data Science	Elite
4	20A31A05E7	M.Priyanka	Python For Data Science	Elite
5	20A31A05D9	HafsaSadiya	Python For Data Science	Elite

Coordinator

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Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

AKASAM AMULYA SAI

for successfully completing the course

Python for Data Science

with a consolidated score of **70** %

Online Assignments	23.25/25	Programming Assignment	21.75/25	Proctored Exam	25.17/50

Total number of candidates certified in this course: **3991**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman,
Centre for Outreach and Digital Education, IIT

Jul-Aug 2022

(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL22CS74515050009
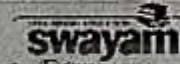
To validate the certificate

No. of credits recommended: 1 or 2

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Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

PERURI MADHURI DEEPIKA

for successfully completing the course

Python for Data Science

with a consolidated score of **73** %

Online Assignments	22.5/25	Programming Assignment	23.25/25	Proctored Exam	27/50

Total number of candidates certified in this course: **3991**

Prof. Devendra Jalihal
Dean
(Academic and Digital Education), IITM

Jul-Aug 2022
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IT Madras

Indian Institute of Technology, Madras

swayam
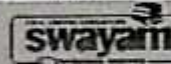
Roll No: NPTEL22CS746137000873   To validate the certificate   No. of credits recommended: 1 or 2

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2021-22
INTRODUCTION TO MACHINE LEARNING
BROCHURE

INTRODUCTION TO MACHINE LEARNING - IITKGP

PROF. SUDESHNA SARKAR
Department of Computer Science and
Engineering
Kharagpur

INTENDED AUDIENCE : Elective course for UG, PG, BE, ME, MS, M.Sc, PhD
PRE-REQUISITES : Basic programming skills (in Python), algorithm design, basics of probability & statistics
INDUSTRIES APPLICABLE TO : Data science companies and many other industries value machine learning skills.

COURSE OUTLINE :

This course provides a concise introduction to the fundamental concepts in machine learning and popular machine learning algorithms. We will cover the standard and most popular supervised learning algorithms including linear regression, logistic regression, decision trees, k-nearest neighbour, an introduction to Bayesian learning and the naive Bayes algorithm, support vector machines and kernels and neural networks with an introduction to Deep Learning. We will also cover the basic clustering algorithms. Feature reduction methods will also be discussed. We will introduce the basics of computational learning theory. In the course we will discuss various issues related to the application of machine learning algorithms. We will discuss hypothesis space, overfitting, bias and variance, tradeoffs between representational power and learnability, evaluation strategies and cross-validation. The course will be accompanied by hands-on problem solving with programming in Python and some tutorial sessions.

ABOUT INSTRUCTOR :

Prof. Sudeshna Sarkar is a Professor and currently the Head of the Department of Computer Science and Engineering at IIT Kharagpur. She completed her B.Tech. in 1989 from IIT Kharagpur, MS from University of California, Berkeley, and PhD from IIT Kharagpur in 1995. She served briefly as faculty at IIT Guwahati and at IIT Kanpur before joining IIT Kharagpur in 1998. Her research interests are in Machine Learning, Natural Language Processing, Data and Text Mining.

COURSE PLAN :

Week 01 : Introduction: Basic definitions, types of learning, hypothesis space and inductive bias, evaluation, cross-validation.

Week 02 : Linear regression, Decision trees, overfitting.

Week 03 : Instance based learning, Feature reduction, Collaborative filtering based recommendation. Probability

Week 04 : Probability and Bayes learning

Week 05 : Logistic Regression, Support Vector Machine, Kernel function and Kernel SVM.

Week 06 : Neural network: Perceptron, multilayer network, backpropagation, introduction to deep neural network.

Week 07 : Computational learning theory, PAC learning model, Sample complexity, VC Dimension, Ensemble learning.

Week 08 : Clustering: k-means, adaptive hierarchical clustering, Gaussian mixture model.

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

LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	20A31A0538	G.PavanSatyaSai

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A0538	G.PavanSatyaSai	Introduction To Machine Learning	Elite

Coordinator

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

SAMPLE CERTIFICATE

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

GADE PAVAN SATYA SAI

for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **66** %

Online Assignments	23.13/25	Proctored Exam	42.75/75

Total number of candidates certified in this course: 2034

Jul-Sep 2022
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS91513/60064   To validate the certificate   No. of credits recommended: 2 or 3

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Ethical Hacking

By Prof. Indranil Sen Gupta | IIT Kharagpur

Learners enrolled: 45934

Ethical hacking is a subject that has become very important in present-day context, and can help individuals and organizations to adopt safe practices and usage of their IT infrastructure. Starting from the basic topics like networking, network security and cryptography, the course will cover various attacks and vulnerabilities and ways to secure them. There will be hands-on demonstrations that will be helpful to the participants. The participants are encouraged to try and replicate the demonstration experiments that will be discussed as part of the course.

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Start Date :	24 Jan 2022
End Date :	15 Apr 2022
Exam Date :	23 Apr 2022 IST
Enrollment Ends :	07 Feb 2022
Category :	• Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate

This is an AICTE approved FDP course

INTENDED AUDIENCE: Computer Science and Engineering / Information Technology / Electronics and Communication / Electrical Engineering
PRE-REQUISITES: Basic concepts in programming and networking
INDUSTRY SUPPORT: TCS, Wipro, CTS, Google, Microsoft, Qualcomm

Course layout:

Week 1: Introduction to ethical hacking. Fundamentals of computer networking. TCP/IP protocol stack.
Week 2: IP addressing and routing. TCP and UDP. IP subnets.
Week 3: Routing protocols. IP version 6.
Week 4: Installation of attacker and victim system. Information gathering using advanced google search, archive.org, netcraft, whois, host, dig, dnsenum and NMAP tool.
Week 5: Vulnerability scanning using NMAP and Nessus. Creating a secure hacking environment. System Hacking: password cracking, privilege escalation, application execution. Malware and Virus. ARP spoofing and MAC attack.
Week 6: Introduction to cryptography, private-key encryption, public-key encryption.
Week 7: Cryptographic hash functions, digital signature and certificate, applications.
Week 8: Steganography, biometric authentication, network-based attacks, DNS and Email security.
Week 9: Packet sniffing using wireshark and burpsuite, password attack using burpsuite. Social engineering attacks and Denial of service attacks.
Week 10: Elements of hardware security: side channel attacks, physical inclonable functions, hardware trojans.
Week 11: Different types of attacks using Metasploit framework: password cracking, privilege escalation, remote code execution, etc. Attack on web servers: password attack, SQL injection, cross site scripting.
Week 12: Case studies: various attacks scenarios and their remedies.

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LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	19A31A1201	Adavikolanu Lakshmi Sriya
2	19A31A1202	Alugolu Anusha
3	19A31A1206	Chalagalla Vinitha
4	19A31A1207	Chaluvadi Sai Vyshnavi
5	19A31A1208	Chenna Akanksha
6	19A31A1209	Chitturi Likhitha
7	19A31A1210	Chodisetty Anupama
8	19A31A1215	Ganti Swathi Aparna
9	19A31A1217	Gollapalli Udaya Sri
10	19A31A1220	Joga Parameswari
11	19A31A1222	Karuturi Gayathri
12	19a31a1227	Mallipudi Susmitha
13	19a31a1229	Peesapati Krishna Keerthi
14	19A31A1230	Pothula Lakshmi Bhavana
15	19A31A1231	Potti Krishna Ratna Roshini
16	19A31A1233	Rudra Ashwini
17	19A31A1234	S V S S S Vaasanthi Bodi
18	19A31A1238	Yatam Rama Sesha Nishitha
19	19a31a1239	Amudala Ratnavikas
20	19A31A1242	Bondada Sri Satya Kesava Tanuj
21	19a31a1244	Chekuri Vineeth Krishna
22	19a31a1246	Devaguptapu Rajesh
23	19A31A1247	Gantasala V Venkata Siva Sravan
24	19a31a1248	Gollapalli Sai Tharun
25	19a31a1249	Golthi Phaneendra
26	19a31a1252	Ilapa Venkata Rajeswararao
27	19a31a1255	Lavudu Madhu Kumar
28	19a31a1256	Manepalli Gowtham
29	19a31a1257	Marri Venkata Sai Krishna
30	19a31a1260	Pallapothu Sairam Sathwik
31	19a31a1262	S Kalyan kumar
32	19a31a1264	Veluguri Rohit Kumar

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LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	19A31A1202	Alugolu Anusha	Ethical Hacking	Elite
2	19A31A1206	Chalagalla Vinitha	Ethical Hacking	Elite
3	19A31A1210	Chodisetty Anupama	Ethical Hacking	Elite
4	19A31A1217	G Udaya Sri	Ethical Hacking	Elite
5	19A31A1220	Parameswari Joga	Ethical Hacking	Elite
6	19a31a1229	Krishna Keerthi Peesapati	Ethical Hacking	Successfully completed
7	19A31A1230	Pothula Lakshmi Bhavana	Ethical Hacking	Successfully completed
8	19A31A1242	Bondada Sri Satya Kesava Tanuj	Ethical Hacking	Successfully completed
9	19a31a1244	Chekuri Vineeth Krishna	Ethical Hacking	Successfully completed
10	19A31A1252	Ilapa Venkata Rajeswararao	Ethical Hacking	Elite
11	19A31A1257	Marri Venkata Sai Krishna	Ethical Hacking	Successfully completed
12	19A31A1260	Pallapothu Sairam Sathwik	Ethical Hacking	Elite

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

Roll No: NPTEL22CS13S14260360

To
G UDAYA SRI
D-NO:70-3B-9,SARADA NAGAR
RAMANAYYAPETA, NEAR SARPAVARAM JUNCTION
KAKINADA
ANDHRA PRADESH - 533005
PH. NO :8179765998

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 MoE, Govt. of India)

This certificate is awarded to

G UDAYA SRI

for successfully completing the course

Ethical Hacking

with a consolidated score of **60** %

Online Assignments	23.38/25	Proctored Exam	37/75

Total number of candidates certified in this course: **2822**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

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Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS13S24261556

To
CHODISETTY ANUPAMA
2-2-66/1
RTC COMPLEX, PITHAPURAM
PITHAPURAM
ANDHRA PRADESH - 533450
PH. NO :9392769372

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 MoE, Govt. of India)

This certificate is awarded to

CHODISETTY ANUPAMA

for successfully completing the course

Ethical Hacking

with a consolidated score of **61** %

Online Assignments	23.41/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: **2822**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

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

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Blockchain and Its Applications

By Prof. Sandip Chakraborty, Prof. Shamik Sural | IIT Kharagpur

Learners enrolled: 27806

Summary

In the last few years, Blockchain technology has generated massive interest among governments, enterprises, and academics, because of its capability of providing a transparent, secured, tamper-proof solution for interconnecting different stakeholders in a trustless setup. In January 2021, the Ministry of Electronics and Information Technology (MeITY), Government of India, published the first draft of the "National Strategy on Blockchain" that highlights 17 potential applications that are of national interest. Against this backdrop, this subject will cover the basic design principles of Blockchain technology and its applications over different sectors. Additionally, the course also provides tutorials on setting up blockchain applications using one of the well-adopted permissionless blockchain platforms - Ethereum, and one permissioned blockchain platform - Hyperledger.

Summary	
Course Status :	Completed
Course Type :	Elective
Duration :	12 Weeks
Start Date :	24 Jan 2022
End Date :	15 Apr 2022
Exam Date :	23 Apr 2022 IST
Enrolment Ends :	07 Feb 2022
Category :	• Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate

This is an AICTE approved FDP course

PRE-REQUISITE: Computer Networks; Operating Systems; Cryptography and Network Security.

INDUSRTY SUPPORT: IBM; HPE; Intel; Any startups working on Blockchain.

INTENDED AUDIENCE: Undergraduate Students, Postgraduate Students, Industry Associates.

Course layout

Week 1: Introduction to Blockchain Technology and its Importance
Week 2: Basic Crypto Primitives I – Cryptographic Hash
Week 3: Basic Crypto Primitives II – Digital Signature
Week 4: Evolution of the Blockchain Technology
Week 5: Elements of a Blockchain
Week 6: Blockchain Consensus I – Permissionless Models
Week 7: Blockchain Consensus II – Permissioned Models
Week 8: Smart Contract Hands On I – Ethereum Smart Contracts (Permissionless Model)
Week 9: Smart Contract Hand On II – Hyperledger Fabric (Permissioned Model)
Week 10: Decentralized Identity Management
Week 11: Blockchain Interoperability
Week 12: Blockchain Applications

Books and references

1. Mastering Blockchain: A deep dive into distributed ledgers, consensus protocols, smart contracts, DApps, cryptocurrencies, Ethereum, and more, 3rd Edition, Imran Bashir, Packt Publishing, 2020, ISBN: 9781839213199, book website: https://www.packtpub.com/product/mastering-blockchain-third-edition/9781839213199.
2. Hyperledger Tutorials - https://www.hyperledger.org/use/tutorials
3. Ethereum Development Resources - https://ethereum.org/en/developers

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LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	19A31A1204	Aradada Trishika Anshu
2	19A31A1205	Bondada Bhagya Sireesha
3	19A31A1214	Eluri Naga Bhavya
4	19A31A1225	Madduri Swarnamukhi
5	19A31A1226	Mallidi Devi Sri Surya Maneesha
6	19A31A1228	Nandam Sravani Devi
7	19A31A1240	Avirapu Shyam Vineel
8	19A31A1241	Boddu Ramu
9	19a31a1243	Chatradi Ram Sunil
10	19A31A1245	Chintala Anil
11	19a31a1250	Gummalla K Subhiram Chowdary
12	19a31a1253	Kalangi Dinesh Kumar
13	19a31a1254	Kondaveeti Sai Harsha
14	19a31a1258	Mulaparthi Pardha Saradhi
15	19a31a1261	Pulaparthi M Venkata Rama Swamy
16	19a31a1262	Sambara R Sri Lalitha Kalyan Kumar

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	19a31a1243	Chatradi Ram Sunil	Blockchain and its Applications	Successfully completed
2	19A31A1245	Chintala Anil	Blockchain and its Applications	Successfully completed
3	19A31A1254	Kondaveeti Sai Harsha	Blockchain and its Applications	Successfully completed

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(AUTONOMOUS)

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

Roll No: NPTEL22CS44S14260648

To
CHATRADI RAM SUNIL
DNO 4-11,SURYARAO PETA MURAMANDA
KADIYAM MANDALAM
RAJAHMUNDRY
ANDHRA PRADESH - 533126
PH. NO :9133777989

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 MoE, Govt. of India)

This certificate is awarded to

CHATRADI RAM SUNIL

for successfully completing the course

Blockchain and its Applications

with a consolidated score of **53** %

Online Assignments	23.41/25	Proctored Exam	30/75

Total number of candidates certified in this course: 1965

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

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Prof. Debasis Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL22CS44S24261292

To
CHINTALA ANIL
DNO:5-195,KOMMINENIVARI PALEM
BALLIKURAVA,PRAKASAM DISTRICT
ADDANKI
ANDHRA PRADESH - 523260
PH. NO :7569739437

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 MoE, Govt. of India)

This certificate is awarded to

CHINTALA ANIL

for successfully completing the course

Blockchain and its Applications

with a consolidated score of **53** %

Online Assignments	22.56/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1965**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
1-378, ADB ROAD, SURAMPA
Near Peddapuram, E.G.Dt. (AP)-53

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

The Joy of Computing using Python

By Prof. Sudarshan Iyenjar, Prof. Yayati Gupta | IIT Ropar

Learners enrolled: 31096

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Start Date :	18 Jan 2021
End Date :	09 Apr 2021
Exam Date :	24 Apr 2021 IST
Enrollment Ends :	01 Feb 2021
Category :	• Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate

This is an AICTE approved FDP course

A fun filled whirlwind tour of 30 hrs, covering everything you need to know to fall in love with the most sought after skill of the 21st century. The course brings programming to your desk with anecdotes, analogies and illustrious examples. Turning abstractions to insights and engineering to art, the course focuses primarily to inspire the learner's mind to think logically and arrive at a solution programmatically. As part of the course, you will be learning how to practice and culture the art of programming with Python as a language. At the end of the course, we introduce some of the current advances in computing to motivate the enthusiastic learner to pursue further directions.

THE JOY OF COMPUTING USING PYTHON

PROF. SUDARSHAN IYENGAR
Department of Computer Science and Engineering
IIT Ropar

INTENDED AUDIENCE : Any interested audience
PREREQUISITES : 10th standard/high school
INDUSTRY SUPPORT : Every software company is aware of the potential of a first course in computer science. Especially of a first course in computing, done right.

COURSE OUTLINE :
A fun filled whirlwind tour of 30 hrs, covering everything you need to know to fall in love with the most sought after skill of the 21st century. The course brings programming to your desk with anecdotes, analogies and illustrious examples. Turning abstractions to insights and engineering to art, the course focuses primarily to inspire the learner's mind to think logically and arrive at a solution programmatically. As part of the course, you will be learning how to practice and culture the art of programming with Python as a language. At the end of the course, we introduce some of the current advances in computing to motivate the enthusiastic learner to pursue further directions.

ABOUT INSTRUCTOR :
Prof. Sudarshan Iyengar, Associate Professor at the CSE at IIT Roper has a Ph.D. from the Indian Institute of Science (IISc). An exemplary teacher who has delivered over 350 popular science talks to students of high school and advanced graduate programmes. Prof. Sudarshan has offered more than 100 hours of online lectures with novel teaching methodologies that have reached lakhs of Students. His research interests include Data Sciences, Social Computing, Social Networks, Collective Intelligence, Crowdsourced Technologies and Secure Computation.

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(AUTONOMOUS)
1-378, ADB ROAD, SURAMPALEM
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 NAAC with 'A' Grade)

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

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

COURSE PLAN :

- Motivation for Computing
- Welcome to Programming!!
- Variables and Expressions : Design your own calculator
- Loops and Conditionals : Hopscotch once again
- Lists, Tuples and Conditionals : Lets go on a trip
- Abstraction Everywhere : Apps in your phone
- Counting Candies : Crowd to the rescue
- Birthday Paradox : Find your twin
- Google Translate : Speak in any Language
- Currency Converter : Count your foreign trip expenses
- Monte Hall : 3 doors and a twist
- Sorting : Arrange the books
- Searching : Find in seconds
- Substitution Cipher : What's the secret !!
- Sentiment Analysis : Analyse your Facebook data
- 20 questions game : I can read your mind
- Permutations : Jumbled Words
- Spot the similarities : Dobble game
- Count the words : Hundreds, Thousands or Millions
- Rock, Paper and Scissor : Cheating not allowed !!
- Lie detector : No lies, only TRUTH
- Calculation of the Area : Don't measure
- Six degrees of separation : Meet your favourites
- Image Processing : Fun with images
- Tic tac toe : Let's play
- Snakes and Ladders : Down the memory lane.
- Recursion : Tower of Hanoi
- Page Rank : How Google Works !!

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	20A31A1221	Talupuri Jahnavi

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	20A31A1221	Talupuri Jahnavi	The Joy of Computing using Python	Elite

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

Roll No: NPTEL22CS31S14080234

To
TALUPURI JAHNAVI
D.NO:11-5-3,SESHAYYAMETTA,
OPPOSITE THREE TOWN POLICE STATION
RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO:9014866984

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 MoE, Govt. of India)

This certificate is awarded to

TALUPURI JAHNAVI

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **71** %

Online Assignments	24.94/25	Programming Exam	25/25	Proctored Exam	21/50

Total number of candidates certified in this course: 7438

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IT Madras

Indian Institute of Technology Madras

swayam

Roll No:NPTEL22CS31S14080234

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

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Online Privacy

By Prof. Ponnurangam Kumaraguru | IIIT Hyderabad

Learners enrolled: 6610

Course on Online Privacy. Motivation, Contents & top...

Online Privacy

Prof. Ponnurangam Kumaraguru
IIIT Hyderabad
pk.guru[at]iiit[dot]ac[dot]in

With increase in the usage of the internet, there has been an exponential increase in the use of online platforms, including social media (Facebook, Twitter, Koo, Tinder), e-commerce (Amazon, Flipkart), gaming (Roblox), video streaming (Netflix, Amazon Prime, Twitch), and messaging (WhatsApp, Signal, Telegram) services. These platforms have changed our way of living, and information that we share with or consume from these platforms. However, widely used, there is a lack of understanding of privacy on these online platforms. Popularity of study of Online privacy as a topic of study is very recent. Online Privacy needs to be investigated, studied and characterized from various perspectives (computational, cultural, psychological, theoretical, etc.). It is critical to understand the threats and defend privacy through real-time and scalable systems. Since there are no logical boundaries for the online space, it is important to study the problem from an international perspective too.

PRE-REQUISITE : Any student from 5th semester UG B.Tech. should be able to understand the content of the course.

INDUSTRY SUPPORT : TCS, Wipro, Microsoft to name a few, any company involved in online business will be interested

INTENDED AUDIENCE : Anybody interested in the area of Privacy, including industry professionals and students

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Start Date :	24 Jan 2022
End Date :	15 Apr 2022
Exam Date :	23 Apr 2022 IST
Enrollment Ends :	07 Feb 2022
Category :	• Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate

This is an AICTE approved FDP course

Course layout

Week 1:Introduction: Various Privacy breaches, and its effects: Why Online privacy has become an important topic?; Privacy cases / litigations, and outcomes

Week 2:Definition & forms of Privacy: Difference between data security & data privacy; Trade-off between privacy and freedom of speech; Trade-off between privacy and utility; Contextual integrity theory and applications

Week 3:Privacy Attitudes & Awareness

Week 4:Social Media Privacy

Week 5:Social Media Privacy

Week 6:Data anonymity:K-anonymity, L-diversity, T-closeness, Differential privacy

Week 7:Image & Location privacy; Ethics about studying online privacy:Institutional Review Board / Ethics Committee; Conducting (User, Lab, and Online) Studies; Privacy from 3rd party trackers & advertisers

Week 8:Image & Location privacy; Ethics about studying online privacy:Institutional Review Board / Ethics Committee; Conducting (User, Lab, and Online) Studies; Privacy from 3rd party trackers & advertisers

Week 9:User behaviour & Usable privacy; Privacy in National projects like Aadhaar, NATGRID; Differential privacy in US census, Apple; PDP Bill / Srikrishna commission report / GDPR:implications

Week 10:User behaviour & Usable privacy; Privacy in National projects like Aadhaar, NATGRID; Differential privacy in US census, Apple; PDP Bill / Srikrishna commission report / GDPR:implications

Week 11:Privacy policies:Length, readability, legality, cost of reading privacy policies; Nutrition labels of Privacy policies:How to make the policies simple and user friendly

Week 12:Privacy policies:Length, readability, legality, cost of reading privacy policies; Nutrition labels of Privacy policies:How to make the policies simple and user friendly

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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	19A31A1203	Amrutha Kanchiraju
2	19A31A1211	Dantuluri Lakshmi Sai
3	19A31A1212	Desabathula Meera Deepika
4	19A31A1213	Elipilla Saisusritha
5	19a31a1216	Garapati Ramya
6	19a31a1218	Gundu Sai Lahari
7	19A31A1219	Jampana N S Surya Sai Prasanthi
8	19A31A1221	Kalluri V M Satya Sai Usha Gayathri
9	19A31A1223	Katta Nandini
10	19A31A1224	Kona Tulya Sree Simla
11	19A31A1232	Puligedda Veera Ganika Jalasri
12	19A31A1235	Seelaboyina Naga Mahathi
13	19A31A1236	Sripada Marakata Manikya Valli
14	19A31A1237	Vundavalli Sridevi
15	19a31a1251	Gurrapu Padmakanth Eshwar
16	19a31a1263	Tetali Durga Naga Vikasreddy

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	19A31A1203	Kanchiraju Amrutha	Online Privacy	Elite
2	19A31A1211	Dantuluri Lakshmi Sai	Online Privacy	Elite
3	19A31A1212	Desabathula Meera Deepika	Online Privacy	Elite
4	19A31A1213	Sai Susritha Elipilla	Online Privacy	Successfully completed
5	19a31a1216	Garapati Ramya	Online Privacy	Elite
6	19a31a1218	Sai Lahari Gundu	Online Privacy	Elite
7	19A31A1219	Jampana Nirupama Satya Surya Sai Prasanthi	Online Privacy	Elite
8	19A31A1221	Kalluri V M Satya Sai Usha Gayathri	Online Privacy	Elite
9	19A31A1223	Katta Nandini	Online Privacy	Successfully completed
10	19A31A1224	Kona Tulya Sree Simla	Online Privacy	Successfully completed
11	19A31A1232	Veera Ganika Jalasri	Online Privacy	Elite
12	19A31A1235	Seelaboyina Naga Mahathi	Online Privacy	Elite+Silver
13	19A31A1236	Marakata Manikya Valli Sripada	Online Privacy	Elite
14	19A31A1237	Vundavalli Sridevi	Online Privacy	Successfully completed

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Roll No: NPTEL22CS37S24261729

To
DANTULURI LAKSHMI SAI
AVA ROAD,54-7-13,RAJAHMUNDRY
ANDHRA PRADESH - 533101
PH. NO :8497904885

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 MoE, Govt. of India)

This certificate is awarded to

DANTULURI LAKSHMI SAI

for successfully completing the course

Online Privacy

with a consolidated score of **65** %

Online Assignments	20.81/25	Proctored Exam	44.5/75

Total number of candidates certified in this course: 1400

Prof. Kishore Kothapalli
Professor and Dean (Academics)
IIT Hyderabad

Jan-Apr 2022
(12 week course)

PRINCIPAL

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

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International Institute of Information Technology, Hyderabad

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This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS37S24261618

To KANCHIRAJU AMRUTHA
17-21-26/15
UNDRAJAVARAM STREET
TANUKU
ANDHRA PRADESH - 534211
PH. NO :9121732545

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

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(Funded by the MoE, Govt. of India)

This certificate is awarded to

KANCHIRAJU AMRUTHA

for successfully completing the course

Online Privacy

with a consolidated score of **66** %

Online Assignments	22.06/25	Proctored Exam	44.38/75

Total number of candidates certified in this course: **1400**

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Professor and Dean (Academics)
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(12 week course)

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NPTEL, Coordinator
IIT Madras

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