A FOUR-WEEK VALUE ADDED PROGRAM

ON

INTRODUCTION TO MATLAB FOR ENGINEERING STUDENTS

(December 12th to March 24th 2018)

PRAGATI ENGINEERING COLLEGE

Name:

Year & Sem:

Department:

Organisation:

Educational Qualification:

Address:

Mobile Number:

E-mail:

Place:

Date:

Signature of the applicant

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

9

ORGANISING COMMITTEE

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
Mrs. K. Sandhya Rani
Assistant Professor, EEE.

For any enquiry contact:
Mobile No: 7995316794
E-mail: hodeee@pragati.ac.in

PRAGATI ENGINEERING COLLEGE

(Autonomous)

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

Learning is Supreme Duty

A FOUR-WEEK VALUE ADDED PROGRAM

ON

INTRODUCTION TO MATLAB FOR ENGINEERING STUDENTS

(December 12th to March 24th 2018)

Organized by
Department of EEE

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

About the College

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

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

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

About the Department

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

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

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

Resource Person

[illegible]

Professor, EEE,

Pragati Engineering College

Program Objectives

- To know about mathematical functions
- To have an adequate knowledge on Array operations and linear equations

Topics Covered

- Desktop tools
- Basic Plotting
- Animations
- Working with matrices
- Array operations and linear equations

Program Outcomes

- Students will acquire extensive knowledge about Array operations and linear equations in MATLAB
- Students will understand the mathematical functions in MATLAB

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Ph: 08857-252333, 34 Website: www.pragati.ac.in

Department of Electrical and Electronics Engineering

Date: 29/11/2017

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering that "**A Four-Week Value added Program on Introduction to MATLAB for Engineering Students**" is going to be conducted from 02/12/2017 to 24/03/2018. All the interested studenis are requested to register their names in the department office on or before 01/12/2017. The details of the program will be available in the brochure.

Venue: Room No: F-1-(First floor), Main block

HOD -EEE

PRAGATI ENGINEERING COLLEGE (A) EEE-HOD SURAMPALEM

Copy to:

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

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

Date: 01/12/2017

Week/Day-wise Schedule

Name of the Program: "A Four-Week Value added Program on Introduction to MATLAB for Engineering Students"

S.No	Day	Date	Topics to be covered
1.	Saturday	02/12/2017	MATLAB desktop
2.	Friday	08/12/2017	Desktop tools
3.	Saturday	09/12/2017	Basic Plotting
4.	Friday	15/12/2017	Animations
5.	Friday	22/12/2017	Working with matrices
6.	Saturday	23/12/2017	Array operations and linear equations
7.	Friday	29/12/2017	Introduction to Programming in MATLAB
8.	Saturday	30/12/2017	Excercises
9.	Friday	05/01/2018	M file scripts
10.	Saturday	06/01/2018	M-file functions
11.	Friday	12/01/2018	Input/output commands
12.	Saturday	27/01/2018	Excercises
13.	Friday	02/02/2018	Control flow and operations
14.	Saturday	03/02/2018	Relational and logical operators
15	Friday	09/02/2018	Operator precedence
16	Saturday	10/02/2018	Saving output to a file
17	Friday	16/02/2018	Excercises
18	Saturday	17/02/2018	Debugging M files
19	Friday	23/02/2018	Debugging Process
20	Saturday	24/02/2018	Preparing for debugging
21	Friday	02/03/2018	Setting breakpoints
22	Saturday	03/03/2018	Running with br[illegible]

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23	Friday	09/03/2018	Examining values
24	Saturday	10/03/2018	Correcting and ending debugging
25	Friday	16/03/2018	Ending debugging
26	Saturday	17/03/2018	Correcting an M-file
27	Friday	23/03/2018	Correcting an M-file
28	Saturday	24/03/2018	Conclusion

Program Coordinator

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Ph: (08852) 252233, 34 Fax: (08852) 252232 W: www.pragati.ac.in
City Office: D.No: 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

LIST OF STUDENTS INTERSTED TO ADD ON COURSE

ADD ON COURSE Introduction to MATLAB for Engineering Students

ACADEMIC YEAR : 2017-2018 / II SEMESTER

Dr.G.Naresh

III YEAR - A SECTION

S.No.	Roll No.	Student Name	Signature
1	15A31A0201	ADARI SRI MOUNIKA	Srimounika
2	15A31A0202	ADDEPALLI ANALA	Anala
3	15A31A0203	ARDANI HARSHITA	harshita
4	15A31A0204	CHILAKAMARRI SREE ANDAL VYSHNAVI	Vyshnavi
5	15A31A0205	GOLLAPALLI RUCHITHA POONAM	poonam
6	15A31A0224	DVIBHASHYAM SRINIVASA SEETHARAMA DATTU	Dattu
7	15A31A0225	G BHAGAVAN SRI SAI KUMAR	Sri Sai Kumar
8	15A31A0226	HANUMANTHU SASICHARAN	Sasicharan
9	15A31A0227	ITA SAI PRITHVI KRISHNA	Krishna
10	15A31A0228	KAKARAPALLI SUNIL	Sunil
11	15A31A0229	KANCHARLA SAI DEVESH	Sai Devesh
12	15A31A0237	KURAKULA GANGADHAR	Gangadhar
13	15A31A0238	MAGAPU GANESH	ganesh
14	15A31A0239	MALIREDDY SURYACHAKRABABU	Surya
15	15A31A0240	MARRI VEERA MANIKYA SWAMY	Swamy
16	15A31A0241	MOKA PRASANTH KUMAR	Kumar
17	15A31A0242	PINAPATHRUNI VENKATA PRASAD	Venkata prasad
18	15A31A0243	POLINATI JOHN KENNEDY	Kennedy
19	15A31A0244	PURAMSETTI SWAMY	Swamy
20	16A35A0202	SURAMPUDI CHANDRAREKHA	Chandrarekha
21	16A35A0203	AARIPAKA SIVA VINAY BHASKAR	Bhaskar
22	16A35A0204	JEEVAN KUMAR PALAKOLLU	JK. Palakollu
23	16A35A0205	KHWAZA JALAL MOIEN UDDIN MOHAMMED	kj Moien.
		III YEAR - B SECTION	
24	15A31A0270	SARVASUDDI ANITHA	S. Anitha
25	15A31A0271	SHAIK KULSUM	S. kulsum
26	15A31A0272	TEEGALA PRASANNA LAKSHMI	Prasanna
27	15A31A0273	TUMMALAPALLI CHANDANA	T. Chandana
28	15A31A0274	UNDAPALLI RAMYAJYOTHI	U. Ramya

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

29	15A31A0275	V SATYA DEVI	V. Satya
30	15A31A0276	ALLA VIJAY KUMAR	A. Vijay
31	15A31A0296	NANDIKA SUBHASH CHANDRA BOSE BABU	N. Subhash
32	15A31A0297	PASILI SRINIVAS	P. Srinivas
33	15A31A0298	PATNALA SATYA SESHA ANAND	P. Satya
34	15A31A0299	PENTAPATI DEEPAK	P. Deepak.
35	15A31A02A0	PULIGA PRASANNA KUMAR	P. prasanna
36	15A31A02A1	REDNAM SIVA NARAYANA RAO	S. Narayana
37	15A31A02A2	S S SITA RAM KUMAR RAJU ADDURI	S. Sita Ram
38	15A31A02A3	SANGADI KAMESH	S. Kamesh
39	15A31A02A8	THONANGI ABHISHEK	T. Abhishek
40	15A31A02A9	VAMSI KRISHNA MORUKURTHI	V. Krishna
41	15A31A02B0	VIJJANA VEERENDRA	V. Veerendra
42	16A35A0211	GANJA REKHA DEVI	G. Rekha
43	16A35A0212	MADDALA SRIDEVI	M. Sridevi

Add on course Coordinator

HOD - EEE

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ACADEMIC YEAR : 2017-2018 / II SEMESTER

DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING

ADD ON COURSE Introduction to MATLAB for Engineering Students

III YEAR - A & B SECTION			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
S.No.	Roll No.	Student Name																												
1	15A31A0201	ADARI SRI MOUNIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	15A31A0202	ADDEPALLI ANALA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
3	15A31A0203	ARDANI HARSHITA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	15A31A0204	CHILAKAMARRI SREE ANDAL VAISHNAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
5	15A31A0205	GOLLAPALLI RUCHITHA POONAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	15A31A0224	DVIBHASHYAM SRINIVASA SEETHARAMA DATTU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	15A31A0225	G BHAGAVAN SRI SAI KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	15A31A0226	HANUMANTHU SASICHARAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
9	15A31A0227	ITA SAI PRITHVI KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
10	15A31A0228	KAKARAPALLI SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	15A31A0229	KANCHARLA SAI DEVESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	15A31A0237	KURAKULA GANGADHAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	15A31A0238	MAGAPU GANESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	15A31A0239	MALIREDDY SURYACHAKRABABU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	15A31A0240	MARRI VEERA MANIKYA SWAMY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
16	15A31A0241	MOKA PRASANTH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	15A31A0242	PINAPATHRUNI VENKATA PRASAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	15A31A0243	POLINATI JOHN KENNEDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	15A31A0244	PURAMSETTI SWAMY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	16A35A0202	SURAMPUDI CHANDRAREKHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	16A35A0203	AARIPAKA SIVA VINAY BHASKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	16A35A0204	JEEVAN KUMAR PALAKOLLU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	16A35A0205	KHWAZA JALAL MOIEN UDDIN MOHAMMED	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	15A31A0270	SARVASUDDI ANITHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	15A31A0271	SHAIK KULSUM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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III YEAR - A & B SECTION

S.No.	Roll No.	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
26	15A31A0272	TEEGALA PRASANNA LAKSHMI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	15A31A0273	TUMMALAPALLI CHANDANA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	15A31A0274	UNDAPALLI RAMYAJYOTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	15A31A0275	V SATYA DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	15A31A0276	ALLA VIJAY KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	15A31A0296	NANDIKA SUBHASH CHANDRA BOSE BABU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	15A31A0297	PASILI SRINIVAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	15A31A0298	PATNALA SATYA SESHA ANAND	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
34	15A31A0299	PENTAPATI DEEPAK	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	15A31A02A0	PULIGA PRASANNA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
36	15A31A02A1	REDNAM SIVA NARAYANA RAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
37	15A31A02A2	S S SITA RAM KUMAR RAJU ADDURI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	15A31A02A3	SANGADI KAMESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	15A31A02A8	THONANGI ABHISHEK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	15A31A02A9	VAMSI KRISHNA MORUKURTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
41	15A31A02B0	VIJJANA VEERENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	16A35A0211	GANJA REKHA DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	16A35A0212	MADDALA SRIDEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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Feedback form

Date: 26 - 3 - 2018

Department : EEE

Academic Year : 2017 - 18

Name of the Speaker : Dr. G. Naresh

Title of the Program : Introduction to MatLAB for Engineering students

Duration : 02/12/2017 to 24/3/2018

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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Feedback form

Date: 26/3/2018

Department : EEE

Academic Year : 2017-18

Name of the Speaker : Dr. G. Naresh

Title of the Program : Introduction to MATLAB for Engineering students

Duration : 02/12/2017 to 24/3/2018

Please evaluate on a scale of 5 ;

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4. Is the Topic useful for career : Yes/No ✓
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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)
(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)
Ph: 08852 - 252533, 34, Website: www.pragati.ac.in

Date: 26/03/2018

PROGRAM REPORT

Name of the Program : "A Four-Week Value added Program on Introduction to MATLAB for Engineering Students"

Date/Duration : December 12th to March 24th 2018, 28 days

Resource Person : Dr.G. Naresh

Professor, EEE, Pragati Engineering College

E-Mail ID: naresh.g@pragati.ac.in, Cell: 9849898440

Program Objective :

- To know about mathematical functions
- To have an adequate knowledge on Array operations and linear equations

Topics Covered : The following topics are covered

- Desktop tools
- Basic Plotting
- Animations.
- Working with matrices
- Array operations and linear equations

Program Outcome:

- Students will acquire extensive knowledge about Array operations and linear equations in MATLAB
- Students will understand the mathematical functions in MATLAB

Name of the Coordinator: Mrs. K. SandhyaRani, Assistant Professor, EEE.

No of the Participants : 43

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 Four Week Value added Program on

Introduction to MATLAB for Engineering Students

- Certificate of Participation -

This is to certify that Mr./Ms. Adari Su Mounika has participated in a Four Week Value added Program on "Introduction to MATLAB for Engineering Students" organized by Department of Electrical and Electronics Engineering from 02/12/2017 to 24/03/2018

Mrs. K. Sandhya Rani
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. Sitamba Prasad
Principal

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DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

A Four Week Value added Program on

Introduction to MATLAB for Engineering Students
- Certificate of Participation -

This is to certify that Mr./Ms. Addepalli Anala has participated in a Four Week Value added Program on "Introduction to MATLAB for Engineering Students" organized by Department of Electrical and Electronics Engineering from 02/12/2017 to 24/03/2018

Mrs. K. Sandhya Rani
Coordinator

Dr. K. Satyanarayana
HoD - EEE

Dr. S. Shanmukha Raju
Principal

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A FOUR-WEEK VALUE ADDED PROGRAM

ON

POWER SYSTEMS THROUGH MATLAB

(June 16th to October 14th, 2017)

PRGATI ENGINEERING COLLEGE

Name:

Year & Sem:

Department:

Organisation:

Educational Qualification:

Address:

Mobile Number:

E-mail:

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

PRINCIPAL

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
Mrs. K. Sandhya Rani
Assistant Professor, EEE.

For any enquiry contact:
Mobile No: 7995316794
E-mail: hodeee@pragati.ac.in

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"Learning is Supreme Duty"

A FOUR-WEEK VALUE ADDED PROGRAM

ON

POWER SYSTEMS THROUGH MATLAB

(June 16th to October 14th, 2017)

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 21st Position and also considered as active local chapter by SWAYAM-NPTEL.

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

About the Department

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

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

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

Resource Person

Dr. B. Ranjani
Professor, EEE,
Pragati Engineering College

Program Objectives

- To Provide knowledge about MATLAB/SIMULINK starting/quitting
- To have an idea about the introduction to programming in MATLAB/SIMULINK

Topics Covered

- ✓ Introduction to Power System Analysis , Single line diagram
- ✓ Distributed photovoltaic Grid power transformers
- ✓ Generalized machine theory and Reference frame formulation

Program Outcomes

- Students will acquire extensive knowledge about Array operations and linear equations in MATLAB/SIMULINK
- Students will understand the mathematical functions in MATLAB/SIMULINK

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Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act 1956
Ph: 08857 - 252311, 12, Website: www.pragati.ac.in

Department of Electrical and Electronics Engineering

Date: 13/06/2017

CIRCULAR

It is hereby informed to all the students of Electrical and Electronics Engineering that "**A Four-Week Value added Program on Power Systems through MATLAB**" is going to be conducted from 16/06/2017 to 14/10/2017. All the interested students are requested to register their names in the department office on or before 15/06/2017. The details of the program will be available in the brochure.

Venue: Room No: F-9-(First floor), Main block

HOD -EEE

PRAGATI ENGINEERING COLLEGE (A) EEE-HOD SURAMPALEM

Copy to:

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

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

Date: 13/06/2017

Week/Day-wise Schedule

Name of the Program: "A Four-Week Value added Program on Power Systems through MATLAB"

S.No	Day	Date	Topics to be covered
1.	Friday	16/06/2017	Introduction to power System Analysis
2.	Friday	23/06/2017	Electrical machines
3.	Saturday	24/06/2017	Distributed photovoltaic Grid power transformers
4.	Friday	30/06/2017	Harmonics and waveform distortion
5.	Saturday	01/07/2017	Power factor variation
6.	Friday	07/07/2017	Safety and protection related to the public
7.	Saturday	08/07/2017	Islanding
8.	Friday	21/07/2017	Relay protection
9.	Saturday	22/07/2017	DC bias
10.	Friday	28/07/2017	Thermocycling
11.	Saturday	29/07/2017	Power quality
12.	Friday	04/08/2017	Power storage
13.	Saturday	05/08/2017	Voltage transients
14.	Friday	11/08/2017	Magnetic Inrush current
15.	Saturday	12/08/2017	Eddy current losses
16.	Friday	18/08/2017	Design considerations
17.	Saturday	19/08/2017	Special test considerations
18.	Friday	01/09/2017	Other aspects
19.	Friday	08/09/2017	Relavant and important conclusions
20.	Saturday	09/09/2017	Generalized machine theory
21.	Friday	15/09/2017	Reference frame formulation
22.	Saturday	16/09/2017	Machine model

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23.	Friday	22/09/2017	Analytics of three phase induction motor
24.	Saturday	23/09/2017	Problems
25.	Friday	06/10/2017	Transmission lines
26.	Saturday	07/10/2017	Inductance
27.	Friday	13/10/2017	Capacitance C
28.	Saturday	14/10/2017	Conclusion

Program Coordinator

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Ph: (08852) 252233, 34 Fax: (08852) 252232 W: www.pragati.ac.in
City Office: D.No: 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

LIST OF STUDENTS INTERSTED TO ADD ON COURSE

ADD ON COURSE Power Systems Through MATLAB

ACADEMIC YEAR : 2017-2018 / I SEMESTER

Dr.B.Rajani

III YEAR - A SECTION

S.No.	Roll No.	Student Name	Signature
1	15A31A0207	KEERTHI SRI TARANI	
2	15A31A0208	KONDRA PURNIMA RAMYA	
3	15A31A0209	KORLA SITA	
4	15A31A0210	LANKAPALLI SIROJANA NIHARIKA	
5	15A31A0211	LOLABHATTU JAHNAVI	
6	15A31A0212	MUPPANA SRI DIVYA	
7	15A31A0213	MURALASETTI ANJALI	
8	15A31A0222	CHUKKA CHAKRADHAR	
9	15A31A0223	DADI NAVYA RAJ	
10	15A31A0224	DVIBHASHYAM SRINIVASA SEETHARAMA DATTU	
11	15A31A0254	TADI SANTOSH REDDY	
12	15A31A0255	THOTA VENKATESH	

III YEAR - B SECTION

13	15A31A0258	VENKATA NARENDRA PAVULURI	
14	15A31A0259	YANDRA VAMSI VINAY	
15	15A31A0260	YERRAMSETTI V V SATYA SAI BHAVANI SHANKAR	
16	15A31A0261	BADIGA SURYA KALA	
17	15A31A0262	BALANTRAPU ANANTHA SATYA SAI SUDHA MANASA	
18	15A31A0263	DASI ASHA JYOTHI	
19	15A31A0264	GOLLAVILLI MAMATHA	
20	15A31A0265	KUMPATLA MOUNIKA	
21	15A31A0266	MUMMIDI GAYATHRI	
22	15A31A0267	MUTYALA HIMA PRIYANKA	
23	15A31A0268	PIRLA SATYA DEVI ANUSHA	
24	15A31A0269	SAI LAKSHMI SANTHOSHI POTHULA	
25	15A31A0289	KOTIPALLI JAYA PRAKASH	
26	15A31A0290	LAKANAM TIRU VENKATESHA VARMA	
27	15A31A0291	MADDIPATI HARI KIRAN	

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City Office: D.No: 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

28	15A31A0292	MALLAREDDY UDAY KUMAR	M. Uday Kumar
29	15A31A0293	MOHAMMED WASEEM	MD. Waseem
30	15A31A0294	MUDDANA ACHYUTH KUMAR	M. Achyuth Kumar
31	15A31A0295	NAGABATHULA DURGA PRAKASH	N. Durga Prakash
32	16A35A0226	VEDURUPAKA VENKATESH PRASAD	V. Venkatesh prasad
33	16A35A0227	BALLA KRISHNAMRAJU	B. V. Krishnaraju
34	16A35A0228	MUMMIDI VENKAT NARAYANA	M. Venkat Narayana
35	16A35A0229	RAMISETTY SIVA SAI PRABHU	R. S. S. Prabhu

Add on course Coordinator

HOD -EEE

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PRAGA ENGINEERING COLLEGE (A) :: SURAMPALEM

ACADEMIC YEAR : 2017-2018 / I SEMESTER

DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING

ADD ON COURSE Power Systems Through MATLAB

III YEAR - A & B SECTION

S.No.	Roll No.	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	15A31A0207	KEERTHI SRI TARANI																												
2	15A31A0208	KONDRA PURNIMA RAMYA																												
3	15A31A0209	KORLA SITA																												
4	15A31A0210	LANKAPALLI SIROJANA NIHARIKA																												
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11	15A31A0254	TADI SANTOSH REDDY																												
12	15A31A0255	THOTA VENKATESH																												
13	15A31A0258	VENKATA NARENDRA PAVULURI																												
14	15A31A0259	YANDRA VAMSI VINAY																												
15	15A31A0260	YERRAMSETTI V V SATYA SAI BHAVANI SHANKAR																												
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17	15A31A0262	BALANTRAPU ANANTHA SATYA SAI SUDHA MANASA																												
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20	15A31A0265	KUMPATLA MOUNIKA																												
21	15A31A0266	MUMMIDI GAYATHRI																												
22	15A31A0267	MUTYALA HIMA PRIYANKA																												
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24	15A31A0269	SAI LAKSHMI SANTHOSHI POTHULA																												
25	15A31A0289	KOTIPALLI JAYA PRAKASH																												

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III YEAR - A & B SECTION			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
S.No.	Roll No.	Student Name																												
26	15A31A0290	LAKANAM TIRU VENKATESHA VARMA																												
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Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

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Feedback form

Date: 16/10/2017

Department : ~~EEE~~

Academic Year : 2017-18

Name of the Speaker : Dr. B. Ranjani

Title of the Program : A four week value added program on Power system through MATLAB.

Duration : 16/6/2017 to 4/10/2017

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 : Good Program

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Ph: 08852 - 252111, 34 Website: www.pragati.ac.in

Feedback form

Date: 16/10/2017

Department : EEE

Academic Year : 2017 - 18

Name of the Speaker : Dr. B. Ranjani

Title of the Program : A Four week Value added Program on Power System through MATLAB

Duration : 16/6/2017 to 14/10/2017

Please evaluate on a scale of 5 ;

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

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

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PRAGATI ENGINEERING COLLEGE

Date: 16.10.2017

PROGRAM REPORT

Name of the Program : "A Four-Week Value added Program on Power Systems through MATLAB"

Date Duration : June 16th to October 14th, 2017, 28 days

Resource Person : Dr. B. Ranjani

Professor, EEE, Pragati Engineering College

E-Mail ID: ranjani.b@pragati.ac.in

Program Objective :

- To Provide knowledge about MATLAB/SIMULINK starting/quitting
- To have an idea about the introduction to programming in MATLAB/SIMULINK

Topics Covered : The following topics are covered

- ✓ Introduction to Power System Analysis , Single line diagram
- ✓ Distributed photovoltaic Grid power transformers
- ✓ Generalized machine theory and Reference frame formulation
- ✓ Transmission lines

Program Outcome :

- Students will acquire extensive knowledge about Array operations and linear equations in MATLAB/SIMULINK
- Students will understand the mathematical functions in MATLAB/SIMULINK

Name of the Coordinator : Mrs. K. Sandhya Rani, Assistant Professor, EEE.

No of the Participants : 35

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Program Coordinator

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

A Four Week Value added Program on

Power Systems through MATLAB

- Certificate of Participation -

This is to certify that Mr./Ms. [illegible] has participated in a Four Week Value added on Program on "Power Systems through MATLAB" organized by Department of Electrical and Electronics Engineering from 16/06/2017 to 17/10/2017

Coordinator

HoD - EEE

Principal

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Power Systems through MATLAB

- Certificate of Participation -

This is to certify that Mr./Ms. [illegible] has participated in a Four Week Value added Program on "Power Systems through MATLAB" organized by Department of Electrical and Electronics Engineering from 16/06/2017 to 17/10/2017

Coordinator

HoD - EEE

Principal

PRAGATI ENGINEERING COLLEGE

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DEPARTMENT OF MECHANICAL ENGINEERING

Surampalem,
Date: 14-6-2017

CIRCULAR

It is to inform all the students of B.Tech IIyear Isem that the Department of Mechanical Engineering is planning to organize a BASIC FITTING WORKS WORKSHOP on 21-6-2017 to 4-8-2017 by APSSDC WELDING LAB. All the interested candidates can enroll their names with Mr.VV N SARATH Asst. Professor, Department of Mechanical Engineering on or before 17-6-2017. The no. of participants to this are limited, preference is based on first come first basis.

Venue: APSSDC WELDING LAB MECHANICAL DEPARTMENT

Date: 21-6-2017

HOD – ME

Copy to

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

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Objective of the course

The main objective of this lab is to teach students with the basic and advanced welding techniques and methods including safety precautions necessary while welding. The course is taught in line with the industrial needs.

Topic Covered

TOPIC-1

Introduction to basic principles of commonly used Welding processes. Arc welding, oxy fuel gas welding, brazing.

TOPIC-2

Identification of gas welding, equipments& accessories, setting up Safety in handling of Oxy Acetylene Cylinders, Regulators etc

TOPIC-3

Welding tools and equipment type specification and use. Safety method in welding. Method of gas welding, gas used and flames adjustment. Difference between soldering and Brazing in terms of temperatures, filler materials, joint strengths and applications. Use of Oxy Acetylene, Oxy LPG and Air LPG for brazing/soldering

TOPIC-4

Setting oxy-acetylene plant, lighting and adjustment of flame-simple joint on M.S. Preparing of using a) AIR-LPG, b) O2- LPG c) Oxy Acetylene plant with safety. C) O2-C2H2. Familiarization with the practice of Gas brazing using close fitting lap joints for both soldering/ brazing cu to cu, cu to MS.

TOPIC-5

Importance of wetting and capillary action. Use of appropriate torches, Nozzles, adjusting required flames and using proper fluxes. Practice on Oxy Acetylene.

Co-ordinator

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Outcome of the course

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

- Describe and demonstrate proper welding shop safety.
- Read and interpret symbols and plans utilized in the Welding industry
- Demonstrate competency in shielded metal arc welding.
- Demonstrate competency in metal inert gas welding
- Demonstrate competency in flux cored arc welding
- Describe how the effects of heat, metal thickness and metal length influence welding/cutting techniques.
- Describe how the effects of heat, metal thickness and metal length influence cutting techniques.

Co-ordinator

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Ph: 08852 - 252231, 32, Website: www.pragati.ac.in

STUDENTS ENROLLED

S.NO	ROLL NO	NAME	SIGNATURE
1	16A31A0303	Reshma Potluri	R. Reshma
2	16A31A0315	Dhulipudi Govindaraju	D. Govind
3	16A31A0316	Gangiredla Varunkumar	G. Varun
4	16A31A0317	Ganja Vishnu Satya Sai	Vishnu
5	16A31A0321	Junuthula Saimohan	Saimohan
6	16A31A0359	Karri Veeralakshmi	K. Veeralakshmi
7	16A31A0371	Devadula Hemanth Vamsikrishna	Hemanth
8	16A31A03A5	Sana Manikya Swamynaidu	Swamynaidu
9	16A31A03B0	Talluri Kameswara Rao	T. K. Rao
10	16A31A03B6	Yelugubandi Sai Kumar	Kumar
11	16A31A03D8	Gummella Veera Venkata Vijay Raghuveer	V.V.V. Raghuveer
12	16A31A03D9	Guntamukkala Manikanta Swamy	Swamy.
13	16A31A03E4	Katta Sri Datta Kumar	K.S.K
14	16A31A03E9	Kudipudi V V Satyanarayana	K.V.V. Satyanarayana
15	16A31A03F7	Nagireddi Vasumuni	N. Vasumuni
16	16A31A03I0	Bandaru Venkata Sai Ram Vikas	B. Vikas
17	16A31A03I7	Dantuluri Varun Varma	D. V. Varma
18	16A31A03J2	Gowtu Vasu	G. Vasu.
19	16A31A03J7	Karri Lokesh	K. Lokesh
20	16A31A03L5	Pudi Chaitanya Vishal	P. C. Vishal

Co-ordinator

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
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STUDENTS ATTENDED

S.NO	ROLL NO	23/6/17	30/6/17	7/7/17	14/07/17	21/7/17	28/7/17	4/08/17			
1	16A31A0303	P	P	P	P	A	P	P			
2	16A31A0315	P	A	P	P	P	P	P			
3	16A31A0316	P	P	P	A	P	P	P			
4	16A31A0317	P	P	P	P	P	P	A			
5	16A31A0321	A	P	P	P	P	P	P			
6	16A31A0359	P	P	A	P	P	P	P			
7	16A31A0371	P	A	P	P	P	P	P			
8	16A31A03A5	P	P	P	A	P	P	P			
9	16A31A03B0	P	P	P	A	P	P	P			
10	16A31A03B6	P	P	P	P	P	A	P			
11	16A31A03D8	P	P	P	P	P	A	P			
12	16A31A03D9	A	P	P	P	P	P	P			
13	16A31A03E4	P	P	P	P	P	A	P			
14	16A31A03E9	P	A	P	P	P	P	P			
15	16A31A03F7	P	P	A	P	P	P	P			
16	16A31A03I0	P	P	A	P	P	P	P			
17	16A31A03I7	A	P	P	P	P	P	P			
18	16A31A03J2	P	P	P	P	P	P	A			
19	16A31A03J7	P	P	P	P	A	P	P			
20	16A31A03L5	P	P	P	P	A	P	P			

Co-ordinator

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Report On Basic Fitting Works Workshop

Date:5-8-2017

Resource person details

NAME: MUKESH

DESIGNATION: APSSDC TRAINER

CONTACT DETAILS

PHONE NO: 9494902019

A BASIC FITTING workshop was held on 21-6-2017 to 4-8-2017 in collaboration with APSSDC. The expert from APSSDC explained various concepts of welding related aspects from the fundamentals to the students of B.TECH II year I sem. This work shop started with basics of welding and its classifications. The expert mainly focused on welding joints. The expert also discussed the techniques of Lap Joint, Butt Joint e.t.c welding joints and defects in welding joints and its remedies. The workshop participants were able to learn in depth of methodology and its real time application. 20 no of students participated in this work shop.

Co-ordinator

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APSSDC WELDING LAB – FEEDBACK

Date:4-8-2017

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR : 2017-2018

Name of the speaker : MUKESH

Title of Training Program : "BASIC FITTING WORKS".

Date / Venue : 21-6-2017 to 4-8-2017/Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Excellent

2 Method of Delivery: very good

3 Related to Subject: very good

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

5 Suggestions if any:

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APSSDC WELDING LAB – FEEDBACK

Date:4-8-2017

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR : 2017-2018

Name of the speaker : MUKESH

Title of Training Program : "BASIC FITTING WORKS".

Date / Venue : 21-6-2017 to 4-8-2017/Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Excellent

2 Method of Delivery: very good

3 Related to Subject: very good

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

5 Suggestions if any: take some more classes

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APSSDC WELDING LAB – FEEDBACK

Date:4-8-2017

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR : 2017-2018

Name of the speaker : MUKESH

Title of Training Program : "BASIC FITTING WORKS".

Date / Venue : 21-6-2017 to 4-8-2017/Apssdc WELDING 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: good

3 Related to Subject: good

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

5 Suggestions if any: ND

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[illegible]

APSSDC WELDING LAB – FEEDBACK

Date:4-8-2017

DEPARTMENT	: Mechanical Engineering
ACADEMIC YEAR	: 2017-2018
Name of the speaker	: MUKESH
Title of Training Program	: "BASIC FITTING WORKS".
Date / Venue	: 21-6-2017 to 4-8-2017/Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: good

2 Method of Delivery: Very . good

3 Related to Subject: good

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

5 Suggestions if any: NO

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APSSDC WELDING LAB – FEEDBACK

Date:4-8-2017

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR : 2017-2018

Name of the speaker : MUKESH

Title of Training Program : "BASIC FITTING WORKS".

Date / Venue : 21-6-2017 to 4-8-2017/Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Good

2 Method of Delivery: Average

3 Related to Subject: Good

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: NO.

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This is to certify that ***Reshma Potluri***

Bearing number ***APSSDC/Siemens/M/9512*** has successfully

completed ***BASIC FITTINGWORKSHOP*** Course

Conducted at

Pragati Engineering College

From **21-Jun-2017 to 4-Aug-2017**

Siemens Industry Software India Pvt. Ltd

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Design Tech Systems Limited

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This is an auto generated Certificate and does not require Signatures

This is to certify that ***Dhulipudi Govindaraju***

Bearing number ***APSSDC/Siemens/M/9513*** has successfully completed ***BASIC FITTINGWORKSHOP*** Course

Conducted at

Pragati Engineering College

From **21-Jun-2017 to 4-Aug-2017**

Siemens Industry Software India Pvt. Ltd

PRINCIPAL

Design Tech Systems Limited

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Learning is Supreme Deity

DEPARTMENT OF MECHANICAL ENGINEERING

Surampalem,
Date:15-12-2017

CIRCULAR

It is to inform all the students of B.Tech IIyear IIsem that the Department of Mechanical Engineering is planning to organize a BASIC FOUNDATION OF WELDING WORKSHOP on 22-12-2017 to 3-3-2018 by APSSDC WELDING LAB. All the interested candidates can enroll their names with Mr. V V N SARATH Asst. Professor, Department of Mechanical Engineering on or before 18-12-2017. The no. of participants to this are limited, preference is based on first come first basis.

Venue: APSSDC WELDING LAB MECHANICAL DEPARTMENT

Date: 22-12-2017

HOD – ME

Copy to

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

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Objective of the course

The main objective of this lab is to teach students with the basic and advanced welding techniques and methods including safety precautions necessary while welding. The course is taught in line with the industrial needs.

Topic Covered

TOPIC-1

Introduction to basic principles of commonly used Welding processes, Arc welding, oxy fuel gas welding, brazing.

TOPIC-2

Identification of gas welding, equipments& accessories, setting up Safety in handling of Oxy Acetylene Cylinders, Regulators etc

TOPIC-3

Welding tools and equipment type specification and use. Safety method in welding. Method of gas welding, gas used and flames adjustment. Difference between soldering and Brazing in terms of temperatures, filler materials, joint strengths and applications. Use of Oxy Acetylene, Oxy LPG and Air LPG for brazing/soldering

TOPIC-4

Setting oxy-acetylene plant, lighting and adjustment of flame-simple joint on M.S. Preparing of using a) AIR-LPG, b) O2- LPG c) Oxy Acetylene plant with safety. C) O2-C2H2. Familiarization with the practice of Gas brazing using close fitting lap joints for both soldering/ brazing cu to cu, cu to MS.

TOPIC-5

Importance of wetting and capillary action. Use of appropriate torches, Nozzles, adjusting required flames and using proper fluxes. Practice on Oxy Acetylene.

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Outcome of the course

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

- Describe and demonstrate proper welding shop safety.
- Read and interpret symbols and plans utilized in the Welding industry
- Demonstrate competency in shielded metal arc welding.
- Demonstrate competency in metal inert gas welding
- Demonstrate competency in flux cored arc welding
- Describe how the effects of heat, metal thickness and metal length influence welding/cutting techniques.
- Describe how the effects of heat, metal thickness and metal length influence cutting techniques.

Co-ordinator

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STUDENTS ENROLLED

S.NO	ROLL NO	NAME	SIGNATURE
1	16A31A0309	Chinta Srinivas	Srinivas
2	16A31A0329	Katta Sri Sai Pavan	Pavan.
3	16A31A0335	Musini Dinesh Kumar	Dineshkumar
4	16A31A0339	Pasala Veera Venkata Sravana Kumar	P. S. Kr.
5	16A31A0344	Syed Rakeeb Shafi	Rakeeb
6	16A31A03L3	Pudi Sreenija	Sreenija
7	16A31A0369	Chinnam Surya Venkata Rama Reddy	Venkata Ramareddy
8	16A31A0372	Golla Siva Ganesh	Ganesh
9	16A31A0381	Kunaparaju Sai Rama Raju	Rajusai
10	16A31A0399	Pendem Balu Siva Sai Chandra	Chandu.
11	16A31A03A2	Ponnaganti Pavan Kumar	Pavan Kumar.
12	16A31A03D6	Gonnabathula Sai Durga Prasad	Prasad.
13	16A31A03E0	Jonnaganti V Venkata Satya Vamsi Krishna	Vamsi
14	16A31A03E2	Kandella Anand	Anand
15	16A31A03F0	Kundla Surya Chandra Kumar	Chandrakumar
16	16A31A03F3	Machetti Suryanarayana	Surya
17	16A31A03K6	Mantha Satya Venkata Bharadwaj	Bharadwaj
18	16A31A03L6	Putta Sandeep Chowdary	Chowdary.
19	16A31A03L7	Ratnala Bharat Kumar	Bharath Kumar
20	16A31A03M1	Sarella Anil	B. Anil.

M.D.

Co-ordinator

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STUDENTS ATTENDED

S.NO	ROLL NO	22-12-2017	29-12-2017	4-1-2018	19-1-2018	2-2-2018	9-2-2018	16-2-2018	21-2-2018	24-2-2018	3-3-2018
1	16A31A0309	P	P	P	P	P	P	P	P	P	A
2	16A31A0329	P	P	P	P	P	P	P	A	P	P
3	16A31A0335	P	P	P	P	P	P	P	P	P	A
4	16A31A0339	P	A	P	P	P	P	P	P	P	P
5	16A31A0344	P	P	P	P	P	P	P	A	P	P
6	16A31A03L3	P	P	A	P	P	P	P	P	P	P
7	16A31A0369	P	P	P	P	A	P	P	P	P	P
8	16A31A0372	A	P	P	P	P	A	P	P	P	P
9	16A31A0381	P	P	P	P	P	P	A	P	P	P
10	16A31A0399	P	P	A	P	P	P	P	P	A	P
11	16A31A03A2	P	A	P	P	P	P	P	P	P	P
12	16A31A03D6	P	P	P	P	P	P	P	P	A	P
13	16A31A03E0	A	P	P	P	P	A	P	P	P	P
14	16A31A03E2	P	P	P	P	A	P	P	P	P	P
15	16A31A03F0	P	P	P	P	P	A	P	P	P	P
16	16A31A03F3	P	P	P	A	P	P	P	P	P	P
17	16A31A03K6	A	P	P	P	P	P	P	P	P	P
18	16A31A03L6	P	P	P	P	P	P	A	P	P	P
19	16A31A03L7	P	P	P	P	P	P	P	P	A	P
20	16A31A03M1	P	P	P	A	P	P	P	P	P	P

Co-ordinator

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Report On Basic Foundation of Welding

Date: 4-3-2018

Resource person details

NAME: MUKESH

DESIGNATION: APSSDC TRAINER

CONTACT DETAILS

PHONE NO: 9494902019

A Basic Foundation of Welding workshop was held on 22-12-2017 to 3-3-2018 in collaboration with APSSDC. The expert from APSSDC explained various concepts of welding related aspects from the fundamentals to the students of B.TECH II year II SEM. This work shop started with basics of welding and its classifications. The expert mainly focused on ARC welding, TIG welding, MIG welding. The expert also discussed the techniques of ARC, TIG, MIG welding and defects in welding and its remedies. The students had hands on experience on the welding operations of ARC, TIG, and MIG welding. The workshop participants were able to learn in depth of methodology and its real time application. 20 no of students participated in this work shop.

Co-ordinator

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APSSDC WELDING LAB – FEEDBACK

Date:3-3-2018

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR :2019-2020

Name of the speaker : MUKESH

Title of Training Program :"BASIC FOUNDATION OF WELDING".

Date / Venue : 22-12-2017 to 3-3-2018 /Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Excellent

2 Method of Delivery: Average

3 Related to Subject: Very good

4 Is the Topic useful for career: YES/NO

5 Suggestions if any:

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APSSDC WELDING LAB – FEEDBACK

Date:3-3-2018

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR :2019-2020

Name of the speaker : MUKESH

Title of Training Program :"BASIC FOUNDATION OF WELDING".

Date / Venue : 22-12-2017 to 3-3-2018 /Apssdc WELDING 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: Excellent

3 Related to Subject: poor

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

5 Suggestions if any:

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APSSDC WELDING LAB – FEEDBACK

Date:3-3-2018

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR :2019-2020

Name of the speaker : MUKESH

Title of Training Program :"BASIC FOUNDATION OF WELDING".

Date / Venue : 22-12-2017 to 3-3-2018 /Apssdc WELDING 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: Excellent

3 Related to Subject: Very good

4 Is the Topic useful for career: YES/NO

5 Suggestions if any:

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APSSDC WELDING LAB – FEEDBACK

Date:3-3-2018

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR :2019-2020

Name of the speaker : MUKESH

Title of Training Program :"BASIC FOUNDATION OF WELDING".

Date / Venue : 22-12-2017 to 3-3-2018 /Apssdc WELDING 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: Excellent

4 Is the Topic useful for career: YES/NO

5 Suggestions if any:

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APSSDC WELDING LAB – FEEDBACK

Date:3-3-2018

DEPARTMENT : Mechanical Engineering

ACADEMIC YEAR :2019-2020

Name of the speaker : MUKESH

Title of Training Program :"BASIC FOUNDATION OF WELDING".

Date / Venue : 22-12-2017 to 3-3-2018 /Apssdc WELDING Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Good

2 Method of Delivery: Average

3 Related to Subject: Good

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: No

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This is to certify that ***Ratnala Bharat Kumar***

Bearing number ***APSSDC/Siemens/M/10139*** has successfully completed ***BASIC FOUNDATION OF WELDING*** Course

Conducted at

Pragati Engineering College

From **22-Dec-2017 to 3-Mar-2018**

Siemens Industry Software India Pvt. Ltd APSSDC Design Tech Systems Limited

This is an auto generated Certificate and does not require Signatures

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This is to certify that ***Sarella Anil***

Bearing number ***APSSDC/Siemens/M/10140*** has successfully

completed ***BASIC FOUNDATION OF WELDING*** Course

Conducted at

Pragati Engineering College

From **22-Dec-2017 to 3-Mar-2018**

Siemens Industry Software India Pvt. Ltd APSSDC Design Tech Systems Limited

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 06-02-2018

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 ON RAILS**

Name of the Faculty: Mr. V Surya Prakash

Start Date: 12-02-2018

End Date: 17-02-2018

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 09-02-2018.

PRAGATI ENGINEERING COLLEGE (M) SURAMPALEM HoD, IT I.T H.O.D

Circulation among II IT Students

Copy to Dept. Notice File

Copy to Student Add-On Course File

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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

CO-ORDINATOR

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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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REPORT

Resource person details

Name: Mr. V SURYA PRAKASH

Designation: ASSISTANT PROFESSOR, DEPARTMENT OF IT

Contact details: Mail ID: suryaprakash@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. Studnets 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

Co-ordinator

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LIST OF STUDENTS ENROLLED

S.No.	Roll No.	Name of the Student	Signature of the student
1	15A31A1201	Adusumilli Rashmika	A Rashmika
2	15A31A1203	Badam Harshitha	Badam Harshitha
3	15A31A1208	Ch N V Sri Lavanya	Ch Lavanya
4	15A31A1212	Grandhi Annapurna	Annapurna
5	15A31A1213	Gutam Rachel Karen	P. L. Rachel Karen
6	15A31A1214	Kantipudi Sri Ramya	K Sriramya
7	15A31A1215	K Vaishnavi Krishna	K. Vaishnavi Krishna
8	15A31A1216	Kodukula Shravika	K. Shravika
9	15A31A1218	M Vineetha Yashasri	M. Yashasri
10	15A31A1219	Nallamilli Sri Devi	N. S. Devi
11	15A31A1225	Rao Dharavi	R. Dharavi
12	15A31A1228	Seela SreeLekha	S. Sreelekha
13	15A31A1229	Sunku Vydehi	S. Vydehi
14	15A31A1232	Vadrevu Sri Lakshmi	V. Sri Lakshmi
15	15A31A1233	Bachhu Harish	B. Harish
16	15A31A1237	Choday Arun Chowdary	A. Chowdary
17	15A31A1239	Devireddy Baji Reddy	D. Reddy
18	15A31A1243	Kolnati Sai Sri Harsha	K. S. S. Harsha
19	15A31A1247	Nakka Durga Prasad	N. Durga
20	15A31A1248	Nalam Aravinda Kumar	N. Kumar
21	15A31A1255	Vundavalli Gowtham	V. Gowtham

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ATTENDANCE SHEET

S.No.	Roll No.	Name of the Student	12-02-2018	13-02-2018	14-02-2018	15-02-2018	16-02-2018	17-02-2018
1	15A31A1201	Adusumilli Rashmika	P	P	P	P	P	P
2	15A31A1203	Badam Harshitha	P	P	P	P	P	P
3	15A31A1208	Ch N V Sri Lavanya	P	A	P	P	A	P
4	15A31A1212	Grandhi Annapurna	P	P	A	P	P	P
5	15A31A1213	Gutam Rachel Karen	P	P	P	P	P	P
6	15A31A1214	Kantipudi Sri Ramya	P	P	P	P	P	P
7	15A31A1215	K Vaishnavi Krishna	P	A	P	P	P	P
8	15A31A1216	Kodukula Shravika	P	P	P	P	P	P
9	15A31A1218	M Vineetha Yashasri	P	P	P	A	P	P
10	15A31A1219	Nallamilli Sri Devi	A	P	P	P	A	P
11	15A31A1225	Rao Dharavi	P	A	P	P	P	A
12	15A31A1228	Seela SreeLekha	P	P	P	P	P	P
13	15A31A1229	Sunku Vydehi	P	P	A	P	P	P
14	15A31A1232	Vadrevu Sri Lakshmi	P	A	P	A	P	P
15	15A31A1233	Bachhu Harish	P	P	P	P	P	P
16	15A31A1237	Choday Arun Chowdary	P	P	A	P	P	A
17	15A31A1239	Devireddy Baji Reddy	A	P	P	A	P	P
18	15A31A1243	Kolnati Sai Sri Harsha	P	P	A	P	P	P
19	15A31A1247	Nakka Durga Prasad	P	P	P	A	P	P
20	15A31A1248	Nalam Aravinda Kumar	A	P	P	P	A	P
21	15A31A1255	Vundavalli Gowtham	P	P	P	P	P	P

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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	15A31A1201	6	6
2	15A31A1203	6	6
3	15A31A1208	6	4
4	15A31A1212	6	5
5	15A31A1213	6	6
6	15A31A1214	6	6
7	15A31A1215	6	5
8	15A31A1216	6	6
9	15A31A1218	6	5
10	15A31A1219	6	4
11	15A31A1225	6	4
12	15A31A1228	6	6
13	15A31A1229	6	5
14	15A31A1232	6	4
15	15A31A1233	6	6
16	15A31A1237	6	4
17	15A31A1239	6	4
18	15A31A1243	6	5
19	15A31A1247	6	5
20	15A31A1248	6	4
21	15A31A1255	6	6

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RUBY ON RAILS VALUE ADDED COURSE – FEEDBACK

Date:17-02-2018

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2017-2018

Name of the speaker: Mr. V SURYA PRAKASH

Title of Training Program: "RUBY ON RAILS Value added course"

Date / Venue: 12-02-2018 to 17-02-2018 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor I 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 Code

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RUBY ON RAILS VALUE ADDED COURSE – FEEDBACK

Date:17-02-2018

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2017-2018

Name of the speaker: Mr. V SURYA PRAKASH

Title of Training Program: "RUBY ON RAILS Value added course"

Date / Venue: 12-02-2018 to 17-02-2018 /IT Computer Lab

Please evaluate on a scale of 5;

5 Excellent 4 Very Good 3 Average 2 Poor I 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.

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Badam Harshitha

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Certificateof Participation

This is to certify that Mr./Ms. Nakka Durga prasad Student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add -on course on **Ruby on Rails** conducted from 12-02-2018 to 17-02-2018 Organized by Department of IT, Pragati Engineering college (Autonomous), Surampalem.

DATE

17-02-2018

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Certificateof Participation

This is to certify that Mr./Ms. Kolnati Sai Sri Harsha Student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add -on course on Ruby on Rails conducted from 12-02-2018 to 17-02-2018 Organized by Department of IT, Pragati Engineering college (Autonomous), Surampalem.

DATE

17.02.2018

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 01-11-2017

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: **PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON**

Name of the Faculty: Mrs. N V S SOWJANYA

Start Date: 06-11-2017

End Date: 11-11-2017

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 03-11-2017.

HoD-IT

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

Circulation among II IT Students

Copy to Dept. Notice File

Copy to Student Add-On Course File

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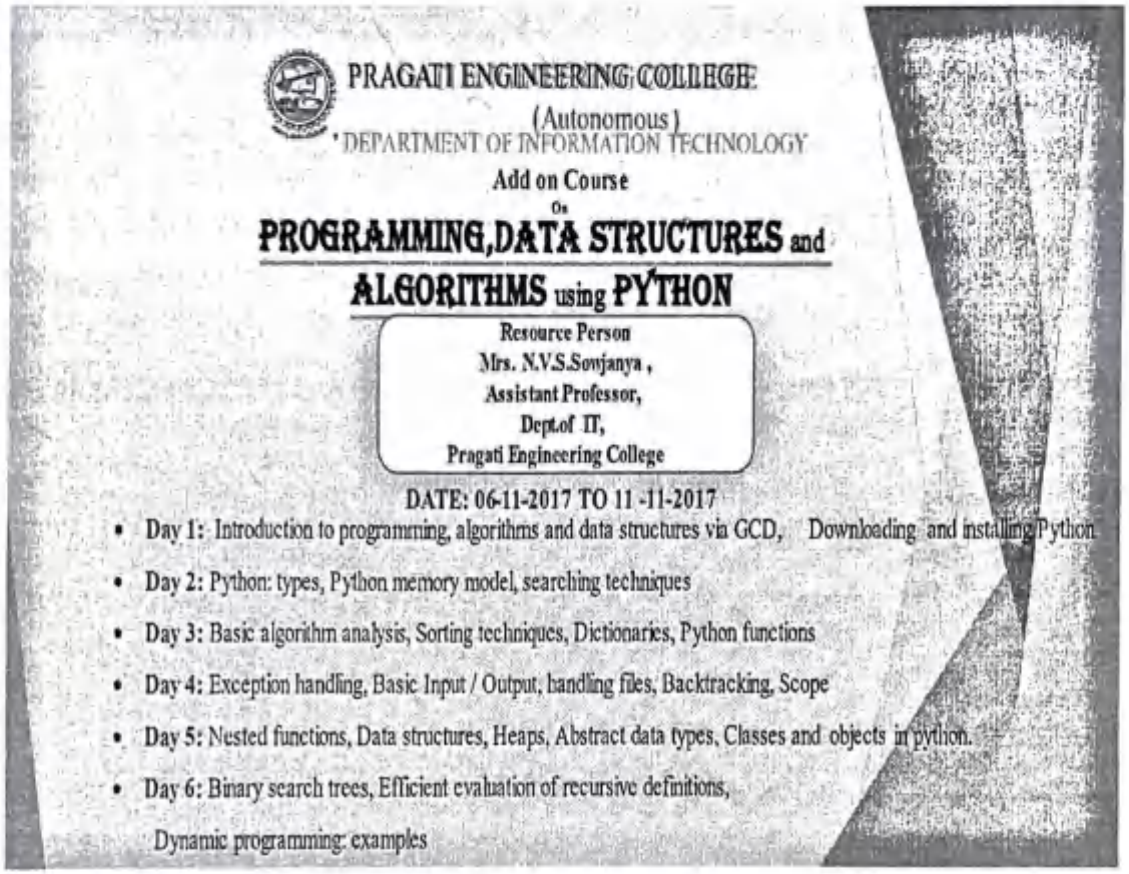

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Topics Covered

Duration: 6 Days (30 hrs)

- **Day 1:** Introduction to programming, algorithms and data structures via GCD, Downloading and installing Python
- **Day 2:** Python: types, Python memory model, searching techniques
- **Day 3:** Basic algorithm analysis, Sorting techniques, Dictionaries, Python functions
- **Day 4:** Exception handling, Basic Input / Output, handling files, Backtracking, Scope
- **Day 5:** Nested functions, Data structures, Heaps, Abstract data types, Classes and objects in python.
- **Day 6:** Binary search trees, Efficient evaluation of recursive definitions, Dynamic programming: examples

CO-ORDINATOR

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Course Objective

The objective of this course Program is to

- To acquire programming skills in Python
- To get more insight on programming , algorithms
- To get knowledge of data structures

Outcome of the course

Upon completion of the course student will be able to

- Explain basic principles of Python programming language
- Implement object oriented concepts
- Ability to choose appropriate data structures to represent data items in real world
- Ability to design programs using a variety of data structures such as stacks, queues

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

REPORT

Resource person details

Name: Mrs N V S SOWJANYA

Designation: ASSISTANT PROFESSOR, DEPARTMENT OF IT

Contact details: Mail ID: sowjanya.n@pragati.ac.in

On **Day 1** gave Informal introduction to programming, algorithms and data structures via gcd
Downloading and installing Python gcd in Python: variables, operations, control flow - assignments, conditionals, loops, functions

On **Day 2** discussed about
Python: types, expressions,
strings, lists, tuples
Python memory model: names,
mutable and immutable values
List operations: slices etc
Binary search,

On **Day 3** discussed about Dictionaries
More on Python functions: Optional arguments, default values
Passing functions as arguments, Higher order functions on lists: map, lter, list comprehension

On **Day 4** discussed about Exception handling
Basic input/output
Handling files
String processing, Backtracking: N Queens, recording all solutions
Scope in Python: local, global, nonlocal names,

On **Day 5** Nested functions
Data structures: stack, queue
Heaps , Abstract datatypes
Classes and objects in Python
"Linked" lists: find, insert, delete was discussed.

On **Day 6** discussed about Binary search trees: find, insert, delete
Height-balanced binary search trees, Efficient evaluation of recursive definitions:
Dynamic programming: examples
Other programming languages: C and manual memory management
Other programming paradigms: functional programming

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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	15A31A1202	Anusuri Bala Priyanka	
2	15A31A1203	Badam Harshitha	
3	15A31A1204	Balusu Padmavathi	B. Padmavathi
4	15A31A1206	V Bharathi Laxmi Durga	VBL Durga
5	15A31A1214	Kantipudi Sri Ramya	
6	15A31A1216	Kodukula Shravika	
7	15A31A1219	Nallamilli Sri Devi	
8	15A31A1221	Nori Sai Bhargavi	N.S. Bhargavi
9	15A31A1222	Padala Sri Priya	
10	15A31A1225	Rao Dharavi	
11	15A31A1227	Sathi Susmitha	
12	15A31A1229	Sunku Vydehi	S. Vydehi
13	15A31A1233	Bachhu Harish	B. Harish
14	15A31A1237	Choday Arun Chowdary	
15	15A31A1243	Kolnati Sai Sri Harsha	
16	15A31A1245	Mangala Venkatesh	
17	15A31A1252	Pericherla Sanjay Varma	P. Sanjay Varma
18	15A31A1254	S Sai Vineeth Kumar	SSV Kumar

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Learning is Supreme Deity

ATTENDANCE SHEET

S.No.	Roll No.	Name of the Student	06-11-2017	07-11-2017	08-11-2017	09-11-2017	10-11-2017	11-11-2017
1	15A31A1202	Anusuri Bala Priyanka	P	P	P	P	P	P
2	15A31A1203	Badam Harshitha	P	P	P	P	P	P
3	15A31A1204	Balusu Padmavathi	P	P	P	P	P	P
4	15A31A1206	V Bharathi Laxmi Durga	P	P	P	P	P	P
5	15A31A1214	Kantipudi Sri Ramya	P	P	P	P	P	P
6	15A31A1216	Kodukula Shravika	P	P	P	P	P	P
7	15A31A1219	Nallamilli Sri Devi	P	A	P	P	A	P
8	15A31A1221	Nori Sai Bhargavi	P	P	P	P	P	P
9	15A31A1222	Padala Sri Priya	P	P	A	P	P	P
10	15A31A1225	Rao Dharavi	P	A	P	P	P	A
11	15A31A1227	Sathi Susmitha	A	P	P	A	P	P
12	15A31A1229	Sunku Vydehi	P	P	P	P	A	P
13	15A31A1233	Bachhu Harish	P	P	P	P	P	P
14	15A31A1237	Choday Arun Chowdary	P	A	P	A	P	P
15	15A31A1243	Kolnati Sai Sri Harsha	P	P	A	P	P	P
16	15A31A1245	Mangala Venkatesh	P	P	P	P	P	P
17	15A31A1252	Pericherla Sanjay Varma	P	P	P	P	P	P
18	15A31A1254	S Sai Vineeth Kumar	P	P	P	P	P	P

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ATTENDANCE REPORT

S.No.	Roll No.	Classes Conducted	Classes Attended
1	15A31A1202	6	6
2	15A31A1203	6	6
3	15A31A1204	6	6
4	15A31A1206	6	6
5	15A31A1214	6	6
6	15A31A1216	6	6
7	15A31A1219	6	4
8	15A31A1221	6	6
9	15A31A1222	6	5
10	15A31A1225	6	4
11	15A31A1227	6	4
12	15A31A1229	6	5
13	15A31A1233	6	6
14	15A31A1237	6	4
15	15A31A1243	6	5
16	15A31A1245	6	6
17	15A31A1252	6	6
18	15A31A1254	6	6

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PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON VALUE ADDED COURSE – FEEDBACK

Date: 11-11-2017

DEPARTMENT: Information Technology

ACADEMIC YEAR: 2017-2018

Name of the speaker: Mrs. N V S SOWJANYA

Title of Training Program: " PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON Value added course"

Date / Venue: 06-11-2017 to 11-11-2017 /IT Computer Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Average

2 Method of Delivery: Excellent

3 Related to Subject: very Good

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: Event was done very good which helpful in interviews

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B. Harish

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PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON
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Date: 11-11-2017

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Date / Venue: 06-11-2017 to 11-11-2017 /IT Computer Lab

Please evaluate on a scale of 5;

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

1 Usefulness of Topic: Excellent

2 Method of Delivery: Very Good

3 Related to Subject: Average

4 Is the Topic useful for career: YES/NO

5 Suggestions if any: The Event takes place very well and also include some real time Examples for better understanding.

P. Sanjay Verma

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Certificate of Participation

This is to certify that Mr./Ms. Anusri Bala Priyanka Student of Information Technology, Pragati Engineering college has actively participated and successfully completed Add -on course on Programming, Data Structures and Algorithms using Python conducted from 06-11-2017 to 11-11-2017 Organized by Department of IT, Pragati Engineering college (Autonomous) Surampalem.

DATE

11-11-2017

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Certificate of Participation

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DATE

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DEPARTMENT OF CIVIL ENGINEERING

Surampalem
Date: 03/08/2017

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 (BIOREMEDIATION OF CONTAMINATED SOILS) Workshop on 16/08/2017 to 09/09/2017 by department of Civil Engineering. All the interested candidates can enroll their names with Ms. K. Lalitha, Assistant professor, Department of Civil Engineering on or before 07/08/2021. The number of participants to this is limited; preference is based on first come first basis.

Venue: Classroom CS-5 CIVIL DEPARTMENT BLOCK
Date: 16/08/2017 to 09/09/2017

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM
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Surampalem
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D.No. 2-24-4/5, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

Objective of the Course

The course is designed for students to learn the essential concepts of treatment of contaminated soils by bioremediation methods. By studying the course, students can know what are the causes for contamination of soils and how to remove those contaminants in a safe manner naturally.

Topic Covered:

WEEK 1: Fundamentals of Bioremediation

1. Definition of Bioremediation
2. Bioreactors
3. Necessity of Bioremediation
4. Advantages and Disadvantages
5. Types of bioremediation

WEEK 2: Microbial Transformation

1. Microbial detoxification
2. Bioremediation systems and processes
3. Microbial cleaning of gases
4. In-situ and ex-situ remediation methods
5. Case studies

WEEK 3: Bioremediation of herbicides and pesticides

1. Bioremediation of organic pollutants
2. Bioremediation of inorganic pollutants
3. Advances in microbial·remediation

WEEK 4: Bioremediation of hydrocarbons and oil spills

1. Sequestering Carbon Dioxide
2. Bio-monitoring
3. Applications of microbial enzymes
4. Bio-membrane reactors

K. Lalitha
co-ordinator

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OUTCOMES OF THE COURSE

Students will be able to:

- ✓ Understand the nature and importance of bioremediation;
- ✓ Know the influence of site characteristics to bioremediation rates;
- ✓ Have a knowledge of the impacts of contaminant characteristics to bioremediation process;
- ✓ Understand the use of bioremediation in real world applications.

K. Lalitha
Co-ordinator

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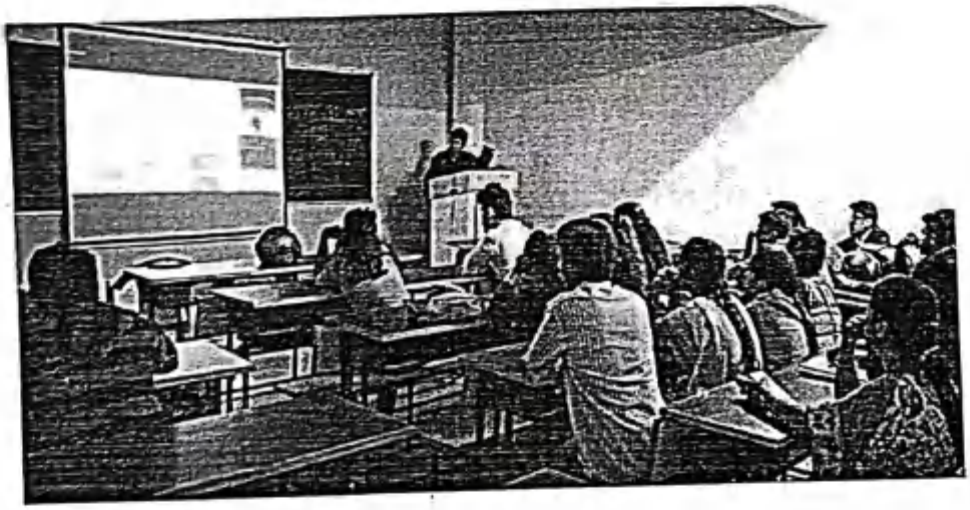
Resource Person Details

Name: D. VARUNESWAR

Designation: Assistant Professor 7416696288

Contact Details: 7416696288

Photographs during training Session



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Department of CIVIL Engineering

Bioremediation of Contaminated Soils

ATTENDANCE REPORT

S.No	Roll Number	Classes Conducted	Classes Attended
1	17A35A0103	40	39
2	16A31A0165	40	38
3	16A31A0167	40	39
4	16A31A0126	40	40
5	16A31A0145	40	40
6	16A31A0152	40	40
7	16A31A01A7	40	40
8	16A31A0184	40	38
9	16A31A0127	40	39
10	17A35A0104	40	40
11	16A31A0130	40	37
12	16A35A0105	40	40
13	16A35A0113	40	40
14	16A35A0115	40	40
15	15A31A0164	40	39
16	15A31A0101	40	38
17	15A31A0122	40	38
18	15A31A0160	40	40
19	15A31A0172	40	40
20	16A35A0125	40	40
21	16A35A0126	40	40
22	14A31A0111	40	38
23	14A31A0103	40	40
24	14A31A0113	40	38

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25	15A35A0128	40	40
26	14A31A0156	40	38
27	14A31A0107	40	40
28	15A35A0102	40	38
29	14A31A0160	40	40
30	15A35A0127	40	40
31	14A31A0163	40	39

K. Lalitha

Co-Ordinator

D. Varun Eswar

Resource Person

HOD

VR - HOD

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Department of CIVIL Engineering

STUDENTS ENROLLED FOR BIOREMEDIATION OF CONTAMINATED SOILS

S.No	Name of the Student	Roll Number	Signature
1	RAMINEEDI S M HARSHIKA	17A35A0103	
2	KOYYALA ALISHYA	16A31A0165	
3	PATANI INDU SRI SURYA RAMA TULASI	16A31A0167	
4	KANCHERLA RAM SAI PAVAN KUMAR	16A31A0126	
5	PAMPANA VINAY VARDHAN	16A31A0145	
6	SURAVARAPU HARSHAVARDHAN	16A31A0152	
7	THOTA VENKATA MEHER SATYA SHAKTI	16A31A01A7	
8	GOMPA MANIKANTA SITARAM	16A31A0184	
9	KANDULA V V V RAGHU RAM	16A31A0127	
10	BODDETI VEERA NAGENDRA	17A35A0104	
11	KAVALA MURALI SATYA DURGA SUBASH	16A31A0130	
12	TRIPURARI SAI BHUJANGA ASHRITHA	16A35A0105	
13	POTHU VIJAYA LAKSHMI	16A35A0113	
14	REVU HARSHAVARDHINI	16A35A0115	
15	CHILLARA SAI SAMEERA	15A31A0164	
16	ANUKULA LAVANYA	15A31A0101	
17	BHYRAVAVARJHULA SAI ANUDEEP	15A31A0122	
18	YATAM SURYA KIRAN	15A31A0160	

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19	YALLA RAJA RAJESWARI	15A31A0172	Y. Raja Rajeswari
20	ODIMANI SRINIVAS	16A35A0125	O. Srinivas
21	PALLEBOINA SRIKANTH	16A35A0126	Srikanth
22	SANGISETTI PRAGNYA	14A31A0111	S. Pragnya
23	BADAM VENKATA NAGA SAI TAYARU NAVEENA	14A31A0103	Naveena
24	ULISI SAI	14A31A0113	
25	VELUGUBANTLA VENKATRAO	15A35A0128	
26	NARLA VENKATA KRISHNA SANTOSHI	14A31A0156	Santhoshi
27	MATCHA SRAVANI	14A31A0107	M. Sravani
28	ANGA MODHA TULASI REVATHI	15A35A0102	Revathi
29	VODURI RESHMA	14A31A0160	V. Reshma
30	VARJINIDI VIKASH	15A35A0127	V. Vikash.
31	BHIMANA NAGA MAHESH	14A31A0163	N Mahesh

K. Lalitha

Co-Ordinator

D. Varun Kumar

Resource Person

HOD-CIVIL

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM * CE-HOD

PRINCIPAL
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Department of CIVIL Engineering

Bioremediation of Contaminated Soils

Attendance Sheets

Roll No.	Dt: 16/08		Dt: 17/08		Dt: 18/08		Dt: 19/08		Dt: 21/08		Dt: 22/08	
	1	2	3	4	5	6	7	8	9	10	11	12
17A35A0103	P	P	P	P	P	P	A	P	P	P	P	P
16A31A0165	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0167	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
16A31A01A7	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0184	P	P	P	P	A	A	P	P	P	P	P	P
16A31A0127	P	P	P	P	P	P	P	P	P	P	P	P
17A35A0104	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0130	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0113	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0115	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0164	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0101	P	P	P	P	P	P	A	A	P	P	P	P
15A31A0122	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0172	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0125	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0126	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0111	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0103	P	P	P	P	P	P	P	P	P	P	P	P

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

14A31A0113	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0128	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0156	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0107	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0102	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0127	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0163	P	P	P	P	P	P	P	P	P	P	P	P

K. Lalitha

Co-Ordinator

D. Varun Eswar

Resource Person

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM

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Department of CIVIL Engineering

Bioremediation of Contaminated Soils

Attendance Sheets

Roll No.	Dt: 23/09		Dt: 24/09		Dt: 26/09		Dt: 28/09		Dt: 29/09		Dt: 30/09	
	13	14	15	16	17	18	19	20	21	22	23	24
17A35A0103	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0165	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0167	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
16A31A01A7	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0184	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0127	P	P	P	P	P	P	P	P	P	P	P	P
17A35A0104	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0130	P	P	P	P	P	P	P	P	P	P	A	A
16A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0113	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0115	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0164	P	P	P	P	P	P	A	P	P	P	P	P
15A31A0101	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0122	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0172	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0125	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0126	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0111	P	P	P	P	P	P	P	P	P	P	A	A
14A31A0103	P	P	P	P	P	P	P	P	P	P	P	P

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14A31A0113	P	P	P	P	P	P	P	P	P	P	A	A
15A35A0128	P	P	A	A	P	P	P	P	P	P	P	P
14A31A0156	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0107	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0102	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0127	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0163	P	P	P	P	P	P	P	P	P	P	P	P

K. Lalitha

Co-Ordinator

D. Varun Eswar

Resource Person

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Department of CIVIL Engineering

Bioremediation of Contaminated Soils

Attendance Sheets

Roll No.	Dt: 31/08		Dt: 01/09		Dt: 04/09		Dt: 05/09		Dt: 06/09		Dt: 07/09	
	25	26	27	28	29	30	31	32	33	34	35	36
17A35A0103	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0165	P	P	P	P	P	P	A	A	P	P	P	P
16A31A0167	P	P	P	P	A	P	P	P	P	P	P	P
16A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0145	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
16A31A01A7	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0184	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0127	P	P	P	P	P	P	A	P	P	P	P	P
17A35A0104	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0130	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0105	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0113	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0115	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0164	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0101	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0122	P	P	P	P	P	P	P	P	P	P	A	A
15A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0172	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0125	P	P	P	P	P	P	P	P	P	P	P	P
16A35A0126	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0111	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0103	P	P	P	P	P	P	P	P	P	P	P	P

14A31A0113	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0128	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0156	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0107	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0102	P	P	A	A	P	P	P	P	P	P	P	P
14A31A0160	P	P	P	P	P	P	P	P	P	P	P	P
15A35A0127	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0163	P	P	P	P	P	P	P	P	P	P	P	A

K. Lalitha

Co-Ordinator

D. Varun Kumar

Resource Person

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Department of CIVIL Engineering

Bioremediation of Contaminated Soils

Attendance Sheets

Roll No.	Dt: 08/09		Dt: 09/09		Dt:		Dt:		Dt:		Dt:	
	37	38	39	40								
17A35A0103	P	P	P	P								
16A31A0165	P	P	P	P								
16A31A0167	P	P	P	P								
16A31A0126	P	P	P	P								
16A31A0145	P	P	P	P								
16A31A0152	P	P	P	P								
16A31A01A7	P	P	P	P								
16A31A0184	P	P	P	P								
16A31A0127	P	P	P	P								
17A35A0104	P	P	P	P								
16A31A0130	A	P	P	P								
16A35A0105	P	P	P	P								
16A35A0113	P	P	P	P								
16A35A0115	P	P	P	P								
15A31A0164	P	P	P	P								
15A31A0101	P	P	P	P								
15A31A0122	P	P	P	P								
15A31A0160	P	P	P	P								
15A31A0172	P	P	P	P								
16A35A0125	P	P	P	P								
16A35A0126	P	P	P	P								
14A31A0111	P	P	P	P								
14A31A0103	P	P	P	P								

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14A31A0113	P	P	P	P								
15A35A0128	P	P	P	P								
14A31A0156	P	P	P	P								
14A31A0107	P	P	P	P								
15A35A0102	P	P	P	P								
14A31A0160	P	P	P	P								
15A35A0127	P	P	P	P								
14A31A0163	P	P	P	P								

K. Lalitha

Co-Ordinator

D. Varun Eswar

Resource Person

HOD-CIVIL

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 09-09-2017

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017-18

NAME OF THE SPEAKER : D. Varuneswar

TITLE OF TRAINING PROGRAM : Bioremediation of contaminated soil

DATE/VENUE : 16/8/2017, CS-5

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 : 3
4. Is the topic useful for career : 4
5. Suggestion if any : 5

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

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 09-09-2017

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017-18

NAME OF THE SPEAKER : D. Varuneswar

TITLE OF TRAINING PROGRAM : Bioremediation of Contaminated Soil

DATE/VENUE : CS 5 16/08/2017

Please Evaluate on a scale of 5:

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

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

A. Lavanya

Signature/ Name of the Student
(Optional)

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 9-09-2017

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017-2018

NAME OF THE SPEAKER : D. Varuneshwar

TITLE OF TRAINING PROGRAM : Bio remidiation of contaminated soil

DATE/VENUE : 16-08-2017, CS-5

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 : 3
3. Related to Subject : 4
4. Is the topic useful for career : 3
5. Suggestion if any : 4

S. pragnya.
Signature/ Name of the Student
(Optional)

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
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Department of CIVIL Engineering

FEEDBACK FORM

Date: 09-09-2017

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017-2018

NAME OF THE SPEAKER : D. Varun Eswar

TITLE OF TRAINING PROGRAM : Bio-remediation of contaminated Soil

DATE/VENUE : CSS 16/08/2017

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 : 5
3. Related to Subject : 5
4. Is the topic useful for career : 4
5. Suggestion if any : Nil

K. Pavan Kumar

Signature/ Name of the Student
(Optional)

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 09-09-2017

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017-2018

NAME OF THE SPEAKER : D. Varun Reddi

TITLE OF TRAINING PROGRAM : Bio-remediation of Contaminated Soil

DATE/VENUE : CS 5 16/08/2017

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 : -

T. Ashwitha

Signature/ Name of the Student
(Optional)

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PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

PARTICIPATION CERTIFICATE

DEPARMENT OF CIVIL ENGINEERING

This certificate is proudly presented to

T S B ASHRITHA

FOR THE PARTICIPATING THE WORKSHOP ON "BIO REMEDIATION OF CONTAMINATED SOILS" ON 03/08/2017.

lalitha

FA CULTY INCHARGE

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PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM CE HOD

CIVIL - HOD

PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

"Learning is Supreme Deity"

PARTICIPATION CERTIFICATE

DEPARMENT OF CIVIL ENGINEERING

This certificate is proudly presented to

K M S D SUBASH

FOR THE PARTICIPATING THE WORKSHOP ON "BIO REMEDIATION OF CONTAMINATED SOILS" ON 03/08/2017.

lalitha

FA CULTY INCHARGE

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

HOD-CE

PRAGATI ENGINEERING COLLEGE (A) SURAMPALEM CE - HOD

CIVIL - HOD

PRAGATI ENGINEERING COLLEGE
(Autonomous)
1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(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 - 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

DEPARTMENT OF CIVIL ENGINEERING

Surampalem
Date: 27/12/2017

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 (AIR QUALITY MODELLING AND MANAGEMENT) Workshop on 18/01/2018 to 10/02/2018 by department of Civil Engineering. All the interested candidates can enroll their names with Ms. R.S.KSupretha, Assistant professor, Department of Civil Engineering on or before 03/01/2018. The number of participants to this is limited; preference is based on first come first basis.

Venue: Classroom CS-5 CIVIL DEPARTMENT BLOCK
Date: 18/01/2018 to 10/02/2018

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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 treatment of contaminated soils by bio-remediation methods. By studying the course, students can know what are the causes for contamination of soils and how to remove those contaminants in a safe manner naturally.

Topic Covered:

WEEK 1: Air Quality Monitoring

1. Definitions
2. Sources and classification of Air Pollutants
3. Air quality standards
4. Advantages and Disadvantages
5. Global effects of air pollution

WEEK 2: Air Pollution Meteorology

1. Temperature lapse rates and stability
2. Wind velocity and turbulence
3. Plume behavior
4. Dispersion of Air pollutants

WEEK 3: Air Quality Modelling

1. Various types of Dispersion models
2. Gaussian Dispersion Model
3. Advantages and Disadvantages of each model

WEEK 4: Air Quality Management

1. Gaseous pollutants' sampling and analysis
2. Gaseous pollution control methods
3. Sources of pollution
4. Control methods

Co - Ordinator

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OUTCOMES OF THE COURSE

Students will be able to:

- ✓ Identify the roots of air pollution and its impact;
- ✓ Assess critically current air quality management methods;
- ✓ Describe how atmospheric meteorology affects the transport, transformation and dispersion of the air pollutants;
- ✓ Adopt new advance and opportunities in air quality control and management.

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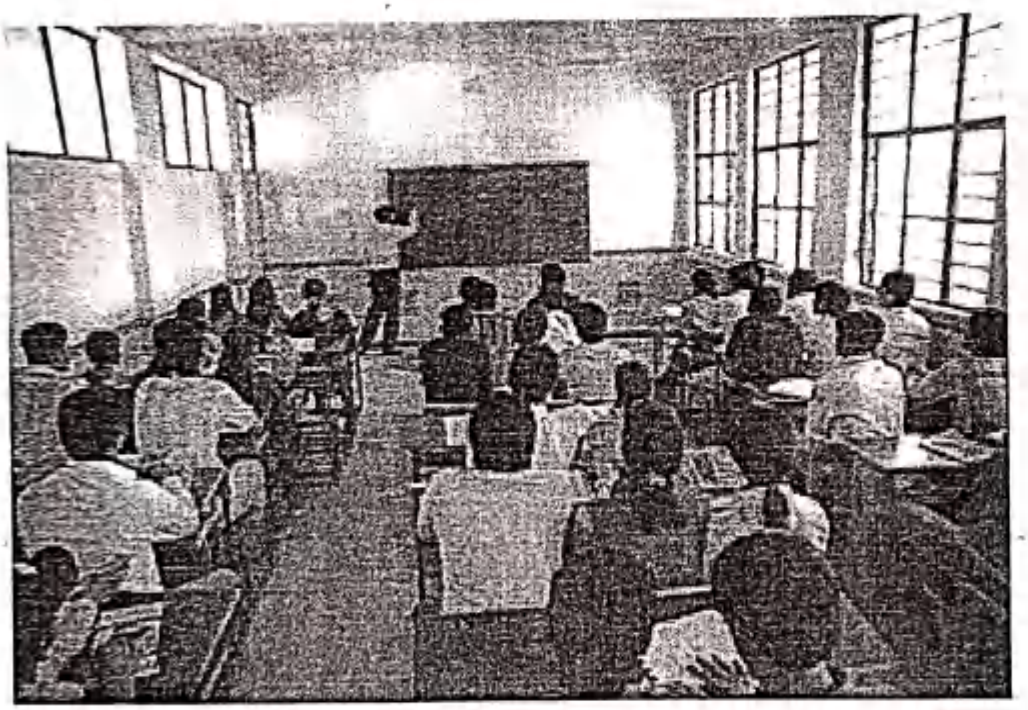
Resource Person Details

Name: D. Durga Shankar

Designation: Assistant Professor

Contact Details: 8143104030

Photographs during training Session



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Department of CIVIL Engineering

STUDENTS ENROLLED FOR AIR QUALITY MODELLING AND MANAGEMENT

S.No	Name of the Student	Roll Number	Signature
1	RAMENA LAKSHMI PRASANNA	15A35A0116	
2	GRANDHI LAKSHMI SRAVYA	14A31A0105	
3	BALLA ASWIN	14A31A0119	
4	INAKOTI SASIKUMAR	14A31A0170	
5	GUBBALA SREENIVAS	14A31A0126	
6	KURANGI NAGENDRA PRASAD	14A31A0179	
7	KARA RESHMA	14A31A0153	
8	KAKARA BHAVITHA SRI	14A31A0152	
9	CHINTAKAYALA POORNA MANESWARI	14A31A0149	
10	VUNGARALA UMA SAI SUDHA	14A31A0161	
11	ANDIMENU ANIL KUMAR	14A31A0116	
12	SERU JAYA SRINU PRAKASH	15A31A01A8	
13	PALIVELA MANIKANTA	15A31A01A3	
14	VIJAYA BHIMA RAJU MURALI	15A31A0159	
15	SIVAKOTI SWETHA SREE	15A31A0167	
16	MIRTHIPATI VEERA VENKATA SATYA MUTYALA RAO	15A31A0198	
17	KONDAPALLI SANDEEP	15A31A0188	
18	SYYED MOHAMMED RAFI	15A31A0153	
19	BADUGU NIKHIL RAVI TEJA	15A31A0175	
20	KUDUPUDI HARSHAVARDHAN KUMAR	15A31A0189	

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21	NEELA RATNAGIRI VASU	15A31A01A2	N.R.G.Vasu
22	REMELLA AMRUTHA SATHVIKA	15A31A0109	R.A.Sathvika
23	DANTULURI VARSHITHA	16A31A0160	D.Varshitha
24	KOYYALA ALISHYA	16A31A0165	K. Alishya
25	CHINTALAPUDI RAMAKRISHNA BHAGAVAN	16A31A0179	Ch. R.K. Bhagavan.
26	MOHAMMAD GOUSIYA BEGAM	17A35A0119	Begum. M.
27	KOTHAPALLI PRAVEEN KUMAR	17A35A0125	Praveen.
28	GOGULA VISWANADH	16A31A0122	G. Viswanadh.
29	MARAPATLA AVINASH	16A31A0134	A. Avinash
30	PALIKI KIRAN KUMAR	16A31A0144	Kiran Kumar.
31	MOHAMMED YASEEN	16A31A0135	Yaseen.
32	NAKKA KRISHNA SRI SAI	16A31A0194	Sri Sai.
33	KARNEEDI GANESH	16A31A0128	K. Ganesh

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Resource Person

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Department of CIVIL Engineering

Air Quality Modelling and Management

Attendance Sheets

Roll No.	Dt: 18/01/18		Dt: 19/01/18		Dt: 20/01/18		Dt: 22/01/18		Dt: 23/01/18		Dt: 24/01/18	
	1	2	3	4	5	6	7	8	9	10	11	12
15A35A0116	P	P	P	P	P	P	P	P	P	P	P	A
14A31A0105	P	P	P	A	P	A	P	P	P	P	P	P
14A31A0119	P	P	P	P	P	P	P	P	P	P	P	A
14A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0179	P	P	P	P	P	A	P	P	P	P	P	P
14A31A0153	P	A	P	P	P	P	P	P	P	P	P	P
14A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0149	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0161	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0116	P	P	P	P	P	P	P	P	P	P	P	P
15A31A01A8	P	P	P	P	P	P	P	P	P	P	P	P
15A31A01A3	P	P	P	P	P	P	P	P	P	P	P	P
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15A31A0198	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0188	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0153	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0175	P	P	P	P	A	P	P	P	P	P	P	P
15A31A0189	P	P	P	P	P	P	P	P	P	P	P	P
15A31A01A2	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0109	P	P	P	P	P	P	P	P	P	P	P	P

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16A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0128	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

Air Quality Modelling and Management

Attendance Sheets

Roll No.	Dt: 5/02/18		Dt: 6/02/18		Dt: 7/02/18		Dt: 8/02/18		Dt: 9/02/18		Dt: 10/2/18	
	13	14	15	16	17	18	19	20	21	22	23	24
15A35A0116	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0105	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0119	A	P	P	P	P	P	P	P	P	P	P	P
14A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0126	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0179	P	P	P	A	P	P	P	P	P	P	P	P
14A31A0153	P	P	P	P	P	P	A	P	P	P	P	P
14A31A0152	A	P	P	P	P	P	P	P	P	P	P	P
14A31A0149	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0161	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0116	P	P	P	P	P	P	P	A	P	P	P	P
15A31A01A8	P	P	P	P	P	P	P	P	P	P	P	P
15A31A01A3	P	P	P	P	P	P	P	P	P	P	P	P
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15A31A0175	P	P	P	P	P	A	P	P	P	P	P	P
15A31A0189	P	P	P	P	P	P	P	P	P	P	P	P
15A31A01A2	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0109	P	P	P	P	P	P	P	P	P	P	P	P

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16A31A0179	P	P	P	P	P	P	P	P	P	P	P	P
17A35A0119	P	P	P	P	P	P	P	P	P	P	P	P
17A35A0125	P	P	P	P	P	P	P	P	P	P	P	P
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16A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0128	P	P	P	P	P	P	P	P	P	P	P	P

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Resource Person

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Air Quality Modelling and Management

Attendance Sheets

Roll No.	Dt: 25/01/18		Dt: 27/01/18		Dt: 29/01/18		Dt: 30/01/18		Dt: 31/01/18		Dt: 01/02/18	
	25	26	27	28	29	30	31	32	33	34	35	36
15A35A0116	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0105	P	P	P	P	P	P	P	P	P	P	P	P
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14A31A0170	P	P	P	P	P	P	P	P	P	P	P	P
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14A31A0153	P	P	P	P	P	P	P	P	P	P	P	P
14A31A0152	P	P	P	P	P	P	P	P	P	P	P	P
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15A31A01A8	P	P	P	P	P	P	P	P	P	P	P	P
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15A31A01A2	P	P	P	P	P	P	P	P	P	P	P	P
15A31A0109	P	P	P	P	P	P	P	P	P	P	P	P

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16A31A0122	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0134	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0144	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0135	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0194	P	P	P	P	P	P	P	P	P	P	P	P
16A31A0128	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

Air Quality Modelling and Management

Attendance Sheets

Roll No.	Dt: 17/02/18		Dt: 20/02/18		Dt:		Dt:		Dt:		Dt:	
	37	38	39	40								
15A35A0116	P	P	P	P								
14A31A0105	P	P	P	P								
14A31A0119	P	P	P	P								
14A31A0170	P	P	P	P								
14A31A0126	P	P	P	P								
14A31A0179	P	P	P	P								
14A31A0153	P	P	P	P								
14A31A0152	P	P	P	P								
14A31A0149	P	P	P	P								
14A31A0161	P	P	P	P								
14A31A0116	P	P	P	P								
15A31A01A8	P	P	P	P								
15A31A01A3	P	P	P	P								
15A31A0159	P	P	P	P								
15A31A0167	P	P	P	P								
15A31A0198	P	P	P	P								
15A31A0188	P	P	P	P								
15A31A0153	P	P	P	P								
15A31A0175	P	P	P	P								
15A31A0189	P	P	P	P								
15A31A01A2	P	P	P	P								
15A31A0109	P	P	P	P								

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16A31A0160	P	P	P	P								
16A31A0165	P	P	P	P								
16A31A0179	P	P	P	P								
17A35A0119	P	P	P	P								
17A35A0125	P	P	P	P								
16A31A0122	P	P	P	P								
16A31A0134	P	P	P	P								
16A31A0144	P	P	P	P								
16A31A0135	P	P	P	P								
16A31A0194	P	P	P	P								
16A31A0128	P	P	P	P								

Co-Ordinator

Resource Person

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HOD-CIVIL

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Department of CIVIL Engineering

Air Quality Modelling and Management

ATTENDANCE REPORT

S.No	Roll Number	Classes Conducted	Classes Attended
1	15A35A0116	40	39
2	14A31A0105	40	38
3	14A31A0119	40	38
4	14A31A0170	40	40
5	14A31A0126	40	40
6	14A31A0179	40	38
7	14A31A0153	40	38
8	14A31A0152	40	39
9	14A31A0149	40	40
10	14A31A0161	40	40
11	14A31A0116	40	39
12	15A31A01A8	40	40
13	15A31A01A3	40	40
14	15A31A0159	40	38
15	15A31A0167	40	39
16	15A31A0198	40	40
17	15A31A0188	40	40
18	15A31A0153	40	40
19	15A31A0175	40	38
20	15A31A0189	40	40
21	15A31A01A2	40	40
22	15A31A0109	40	40
23	16A31A0160	40	40
24	16A31A0165	40	38

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25	16A31A0179	40	40
26	17A35A0119	40	38
27	17A35A0125	40	38
28	16A31A0122	40	40
29	16A31A0134	40	40
30	16A31A0144	40	40
31	16A31A0135	40	40
32	16A31A0194	40	40
33	16A31A0128	40	40

Co-Ordinator

Resource Person

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 10/02/2018

DEPARTMENT : CIVIL ENGINEERING

ACADEMIC YEAR : 2017 – 2018

NAME OF THE SPEAKER : D. DURGA SHANKAR

TITLE OF TRAINING PROGRAM : AIR QUALITY MODELLING AND MANAGEMENT

DATE/VENUE : 10/02/2018

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 : 5
5. Suggestion if any : -

Lakshmi Prasanna

Signature/ Name of the Student
(Optional)

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 18/02/2018

DEPARTMENT : CIVIL ENGINEERING

ACADEMIC YEAR : 2017 – 2018

NAME OF THE SPEAKER : D. DURGA SHANKAR

TITLE OF TRAINING PROGRAM : AIR QUALITY MODELLING & MANAGEMENT

DATE/VENUE : 18/02/2018

Please evaluate on a scale of 5:

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

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

Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 18/02/2018

DEPARTMENT : CIVIL ENGINEERING

ACADEMIC YEAR : 2017 -18

NAME OF THE SPEAKER : D. DURGA SHANKAR

TITLE OF TRAINING PROGRAM : AIR QUALITY MODELLING AND MANAGEMENT

DATE/VENUE : 18/02/2018

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 : —

Ch. Maniswari
Signature/ Name of the Student

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 18/2/18

DEPARTMENT : CIVIL

ACADEMIC YEAR : 2017 - 2018

NAME OF THE SPEAKER : D Durga Sankhar

TITLE OF TRAINING PROGRAM : Air quality modelling & Management

DATE/VENUE : 18/02/18

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 : —

Signature/ Name of the Student

Nagayalarao

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Department of CIVIL Engineering

FEEDBACK FORM

Date: 18-01-2018

DEPARTMENT : CIVIL ENGINEERING DEPT.

ACADEMIC YEAR : 2017 -18

NAME OF THE SPEAKER : D. DURGA SANKAR

TITLE OF TRAINING PROGRAM : AIR QUALITY MODELING & MANAGEMENT

DATE/VENUE : 18-01-2018

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 : 4
5. Suggestion if any : Done

K. Murthy

Signature/ Name of the Student

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PRAGATI ENGINEERING COLLEGE (AUTONOMOUS)

"Learning is Supreme Deity"

PARTICIPATION CERTIFICATE

DEPARMENT OF CIVIL ENGINEERING

This certificate is proudly presented to

N K SREE SAI

FOR THE PARTICIPATING THE WORKSHOP "AIR QUALITY MODELING AND MANAGEMENT" ON 18/01/2018.

Supritha

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CIVIL - HOD

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HOD-CE

CIVIL - HOD

ENHANCING SOFT SKILLS AND PERSONALITY

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

TYPE OF COURSE : Rerun | Elective | UG/PG
COURSE DURATION : 8 weeks

INTENDED AUDIENCE : Students, Teachers, Professionals, Trainers, Leaders, Employers
INDUSTRIES APPLICABLE TO : All industry/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

COURSE OUTLINE :

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

ABOUT INSTRUCTOR :

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

COURSE PLAN :

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

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

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

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

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

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

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

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

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DEPARTMENT OF CIVIL ENGINEERING

List of Registered Students

Name of The Program : Enhancing Soft Skills and Personality

Academic Year : 2017 – 2018

S.No	Roll.No	Name of the Student	Dept	Duration	Certified (Yes/No)
1	17A31A0161	GADIKOYYALA VENKATA SURYA SRAVANI	Civil	Feb – Mar 2018	Yes
2	17A31A0173	UPPALAPATI VEERA SATYA ANJALI	Civil	Feb – Mar 2018	Yes
3	17A31A0182	CHITTURI MANOHAR	Civil	Feb – Mar 2018	Yes
4	17A31A01B4	TILLAPUDI VINAY TEJA	Civil	Feb – Mar 2018	Yes

Coordinator

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

Roll No:NPTEL18HS07548501 95

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

53/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

TILLAPUDI VINAY TEJA

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of 58 %

Online Assignments	20.5/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: 2840

Feb-Mar 2018
(8 week course)

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Satyaki Roy
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:NPTEL18HS07S4850183

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

54/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

GADIKOYYALA VENKATA SURYA SRAVANI

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of 61 %

Online Assignments	17.75/25	Proctored Exam	43.5/75

Total number of candidates certified in this course: 2840

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Feb-Mar 2018
(8 week course)

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Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

INTRODUCTION TO INTERNET OF THINGS

PROF. SUDIP MISRA
Department of Computer Science and Engineering
IIT Kharagpur

PRE-REQUISITES : Basic programming knowledge

INTENDED AUDIENCE : CSE, IT, ECE, EE, Instrumentation Engineering, Industrial Engineering

COURSE OUTLINE :

Internet of Things (IoT) is presently a hot technology worldwide. Government, academia, and industry are involved in different aspects of research, implementation, and business with IoT. IoT cuts across different application domain verticals ranging from civilian to defence sectors. These domains include agriculture, space, healthcare, manufacturing, construction, water, and mining, which are presently transitioning their legacy infrastructure to support IoT. Today it is possible to envision pervasive connectivity, storage, and computation, which, in turn, gives rise to building different IoT solutions. IoT-based applications such as innovative shopping system, infrastructure management in both urban and rural areas, remote health monitoring and emergency notification systems, and transportation systems, are gradually relying on IoT based systems. Therefore, it is very important to learn the fundamentals of this emerging technology.

ABOUT INSTRUCTOR :

Prof. Sudip Misra is a Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology Kharagpur. Prior to this he was associated with Cornell University (USA), Yale University (USA), Nortel Networks (Canada) and the Government of Ontario (Canada). He received his Ph.D. degree in Computer Science from Carleton University, in Ottawa, Canada. He has several years of experience working in the academia, government, and the private sectors in research, teaching, consulting, project management, architecture, software design and product engineering roles. His current research interests include Wireless Ad Hoc and Sensor Networks, Internet of Things (IoT), Computer Networks, Learning Systems, and algorithm design for emerging communication networks. Prof. Misra is the author of over 260 scholarly research papers, including 140+ reputed journal papers. He has won seven research paper awards in different conferences.

COURSE PLAN :

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

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

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

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

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

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

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

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

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

Week 10: Fog Computing, Smart Cities and Smart Homes

Week 11: Connected Vehicles, Smart Grid, Industrial IoT

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

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List of Registered Students

Name of the Program: Introduction to Internet of things

A.Y: 2017-18

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	15A31A0282	Jetty Karthik Reddy	EEE	July-Oct 2017	Yes
2	15A31A0224	Dvibhashyam Srinivasa Seetarama Dattu	EEE	July-Oct 2017	Yes
3	15A31A0253	Surath Siva Kumar	EEE	July-Oct 2017	Yes

Coordinator

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Roll No:NPTEL17CS22S1750094

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

389/6

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

Elite

NPTEL Online Certification

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

This certificate is awarded to

SURATH SIVA KUMAR

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of 68 %

Online Assignments	22.25/25	Proctored Exam	45.75/75

Total number of candidates certified in this course: 1841

Prof. Anupam Basu
Chairman and Head
entre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 weeks)

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A. Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpu

Indian Institute of Technology Kharagpur

In partnership with
NASSCOM

Roll No:NPTEL17CS22S1750088

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

389/5

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

Elite

NPTEL Online Certification

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

This certificate is awarded to

DVIBHASHYAM SRINIVASA SEETHARAMA DATTU

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of 66 %

Online Assignments	21.75/25	Proctored Exam	44.25/75

Total number of candidates certified in this course: 1841

Prof. Anupam Basu
Chairman and Head
entre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

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

A. Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpu

Indian Institute of Technology Kharagpur

In partnership with
NASSCOM

Roll No: NPTEL17CS22S1750088

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

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

List of Registered Students

Name of the Program: Cloud computing A.Y: 2017-18

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	15A31A0292	Mallareddy Uday Kumar	EEE	Aug-Oct 2017	Yes
2	15A31A0265	K. Mounika	EEE	Aug-Oct 2017	Yes

Coordinator

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

Roll No:NPTEL17CS23S1750103

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

389/8

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

K.MOUNIKA

for successfully completing the course

Cloud Computing

with a consolidated score of **70** %

Online Assignments	20.75/25	Proctored Exam	48.75/75

Total number of candidates certified in this course: **1627**

Prof. Anupam Basu
Chairman and Head
entre for Educational Technology, IIT Kharagpur

Aug-Oct 2017
(8 week course)

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

Indian Institute of Technology Kharagpur

In partnership with
NASSCOM

Roll No: NPTEL17CS23S1750103

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

Roll No:NPTEL17CS23S1750086

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

389/7

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

MALLAREDDY UDAY KUMAR

for successfully completing the course

Cloud Computing

with a consolidated score of 72 %

Online Assignments	24.25/25	Proctored Exam	48/75

Total number of candidates certified in this course: 1627

Prof. Anupam Basu
Chairman and Head
entre for Educational Technology, IIT Kharagpur

Aug-Oct 2017
(8 week course)

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

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

Indian Institute of Technology Kharagpur

In partnership with
NASSCOM

Computer Organization and Architecture

Type of Course	:	New
Course Snapshot	:	Core / UG, PG
	:	B.E/B.Tech, M.E/M.Tech, M.S
Pre-requisites		Basic Programming, Digital Electronics
Course Duration	:	30 hours / 12 weeks
Industry Support	:	All high end and embedded processors related companies like Intel, AMD, Qualcomm,NVIDIA, IBM, Samsung, Motorola, Hewlett-Packard etc.

COURSE OUTLINE:

Computer Architecture talks about the basic digital hardware with which the processor is built and Computer Organization talks about the basic interface the digital hardware gives to the compiler and the operating systems to support the user demands.Study of Application Binary Interface is the subject matter of Computer Organization. How these functionalities are actually implemented is the subject matter of Computer Architecture.This course not only addresses the how and what but also the whys of Computer Architecture and Organization.

INSTRUCTOR:

Prof. V. Kamakoti
Department of Computer Science and Engineering,
IIT Madras

ABOUT INSTRUCTOR:

Prof. V. Kamakoti, Department of Computer Science and Engineering, IIT Madras specializes in the area of Computer Architecture and Secure Hardware Design. He is an advisor for many security critical organizations including Banking Institutions. He completed his Master of Science (By research) and PhD at the Department of Computer Science and Engineering, IIT Madras in the years 1992 and 1995 respectively. He completed his BE in Computer Science and Engineering from Sri Venketaswara College of Engineering (Affiliated to University of Madras) in the year 1989. He is a coordinator of the Information Security Education and Awareness program of the Department of Information Technology, Government of India

COURSE PLAN:

1. High-Performance Circuit Design - Fast Adder Circuits, Fast Multiplier Circuit - Floating Point - Precision and Accuracy, Addition, Subtraction and Multiplication
2. Programming using X86 Instruction Set Architecture - Orthogonal ISA, C Constructs Mapping, Addressing Modes - Atomic and Predicated Instructions - General Purpose Registers - Expanding Opcodes
3. Pipelining - Data Hazards - Instruction Scheduling: Static and Dynamic - Control Hazard, Branch Prediction
4. Segmentation - Interrupts & Process Management- Paging - Multitasking - Virtual memory - Task Switching
5. Caches - Shared Memory Architecture - Mutual Exclusion - Optimality of Parallel Algorithms - Current Trends in Computer Architecture

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

Learning is Supreme Duty

List of Registered Students

Name of the Program: Computer Organization and Architecture A.Y: 2017-18

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	15A31A0285	Kanakala Rohith Sai Swaroop	EEE	July-Oct 2017	Yes

Coordinator

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

Roll No:NPTEL17CS35S1750034

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

389/44

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

Elite

NPTEL Online Certification

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

TOP TOPPER 2%

This certificate is awarded to

KANAKALA ROHITH SAI SWAROOP

for successfully completing the course

Computer Organization And Architecture

with a consolidated score of **87** %

Online Assignments	22.25/25	Proctored Exam	64.5/75

Total number of candidates certified in this course: **161**

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Oct 2017
(12 week course)

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

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

In partnership with
NASSCOM

Introduction to Modern Application Development

ABOUT THE COURSE:

IMAD, India's largest MOOC, is back and it's bigger and better than before. This course will cover the basics of the Internet, building a web application, databases, performance and security, and building a mobile application. In addition, the course will have an extensive set of Practical Tutorials which will help students get a feel for real-world development. IMAD offers opportunities for internships at Hasura for the course toppers, thus helping the best students hone their application development skills in the real world.

COURSE LAYOUT:

The course content will be covered in 8 weeks. Each week of theoretical lectures will be followed by a practical, hands-on tutorial covering the concepts discussed in the previous week. These lectures will consist of programming experiments and assignments which will help the student gain a practical understanding of the ideas discussed before. The topics covered over the 8 weeks will be -

Introduction to the Internet
Building a web application
Databases
Performance and security
Building a mobile application

For additional information, see www.imad.tech

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Learning is Supreme Duty

List of Registered Students

Name of the Program: Introduction to Modern Application development

A.Y: 2017-18

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	15A31A0279	B.Srinivas	EEE	July-Sept 2017	Yes

Coordinator

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

Roll No:NPTEL17CS40S1760093

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

o. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

B.SRINIVAS

for successfully completing the course

Introduction To Modern Application Development

with a consolidated score of **65** %

Online Assignments	14/25	Proctored Exam	51/75

Total number of candidates certified in this course: **3756**

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

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Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

In partnership with
NASSCOM

BASIC ELECTRICAL CIRCUITS

Prof. Gajendranath Chowdary

Department of Electrical Engineering

IIT Hyderabad

PRE-REQUISITES : XII std. level algebra and calculus, electrostatics

INTENDED AUDIENCE : Interested learners

COURSE OUTLINE :

Electrical circuits are everywhere, from tiny ones in integrated circuits in mobile phones and music players, to giant ones that carry power to our homes. This course deals with analysis techniques that can be applied to all such circuits. We wi will first discuss electrical quantities-voltage and current-relevant to such circuits and learn about basic elements(R, L, C, controlled sources) and their properties. We will then move on to general analysis techniques that can be applied to arbitrary circuits. These will be first carried out for resistive circuits which obey algebraic equations and then extended to circuits with energy storage elements(C, L) which obey differential equations. Along the way, we will also discuss the rudiments of negative feedback circuit using the opamp. After taking this course, one should be able to analyze any linear circuit.

ABOUT INSTRUCTOR :

Prof. Gajendranath Chowdary is a faculty in the department of EE, IIT Hyderabad. He received the B.E. degree from Osmania University Hyderabad, India, in 2006. He obtained the M.Tech and Ph.D. from the Indian Institute of Technology, Delhi, India, in 2008 and 2016 respectively. He worked as an analog circuit design engineer for mobile handsets with ST-Ericsson from 2008 to 2010 and with Aura Semiconductor during 2011, 2013, and 2016. His research interests include analog and mixed-signal circuit design for ultra-low-power applications.

COURSE PLAN :

Week 1: Preliminaries; Current and voltage; Electrical elements and circuits; Kirchhoffs laws, Basic elements: Voltage and current sources, R, L, C, M; Linearity of elements

Week 2: Elements in series and parallel, Controlled sources

Week 3: Power and energy in electrical elements, Circuit Analysis Methods

Week 4: Nodal analysis, Extending nodal analysis with different sources

Week 5: Mesh analysis, Circuit theorems

Week 6: More circuit theorems, Two port parameters

Week 7: Two port parameters continued, Reciprocity in resistive networks

Week 8: Opamp and negative feedback, Opamps contd: Example circuits and additional topics

Week 9: First Order Circuits contd

Week 10: First order circuits with time-varying inputs, Sinusoidal steady state response and total response

Week 11: Second order system-Natural response (continued)

Week 12: Direct calculation of steady state response from equivalent components, Magnitude and Phase plots, Maximum power transfer theorem

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List of Registered Students

Name of the Program: Basic Electrical Circuits A.Y: 2017-18

S.No	Roll No.	Name of the Student	Dept	Duration	Certified (Yes/No)
1	14A31A0276	Ganekanti Saardhak	EEE	July-Sept 2017	Yes

Coordinator

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

Roll No:NPTEL17EE13S2760518

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

GANEKANTI SAARDHAK

for successfully completing the course

Basic Electrical Circuits

with a consolidated score of **40** %

Online Assignments	15.5/25	Proctored Exam	24/75

Total number of candidates certified in this course: **373**

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

PRINCIPAL
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Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL17EE13S2760518

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

NATURE AND PROPERTIES OF MATERIALS

PROF. BISAKH BHATTACHARYA
Department of Mechanical Engineering
IIT Kanpur

TYPE OF COURSE : Rerun | Elective | UG
COURSE DURATION : 8 weeks

PRE-REQUISITES : Basic Physics and Mathematics Courses at the First Year Level, added with thirst for learning.

INTENDED AUDIENCE : Students of BE/B.Tech stream

INDUSTRIES APPLICABLE TO : Every industry recommends to have a basic knowledge about various materials and truth behind their properties

COURSE OUTLINE :
This course introduces to the basics of metals and metallic alloys, polymers, composites and smart materials which have extensively broadened the scope of engineering design in the fields of Civil, Mechanical, Aerospace and other structural applications.

ABOUT INSTRUCTOR :
Prof. Bishakh Bhattacharya is Professor at the Department of Mechanical Engineering and currently heading the Cognitive Science programme, IIT Kanpur. His research interest primarily lies in vibration control, structural health monitoring, energy harvesting system, intelligent system design and Child-Reconfigurable Robot Interaction.

COURSE PLAN :

Week 1: Introduction to Engineering materials & Mechanical properties

Week 2: Atomic bonding and crystal structure

Week 3: Metals and Ceramics

Week 4: Polymers

Week 5: Composite Materials

Week 6: Smart Materials

Week 7: Materials selection in Engineering design

Week 8: Non-mechanical properties and Laboratory demonstration

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Nature and Properties of Materials

COURSE OUTLINE

This course introduces to the basics of metals and metallic alloys, polymers, composites and smart materials which have extensively broadened the scope of engineering design in the fields of Civil, Mechanical, Aerospace and other structural applications.

TOPICS COVERED

Week 1: Introduction to Engineering materials & Mechanical properties

Week 2: Atomic bonding and crystal structure

Week 3: Metals and Ceramics

Week 4: Polymers

Week 5: Composite Materials

Week 6: Smart Materials

Week 7: Materials selection in Engineering design

Week 8: Non-mechanical properties and Laboratory demonstration

NO.OF.STUDENTS ATENDED:1

LIST OF STUDNTS ATTENDED

S.NO	STUDENT NAME
1	RISHABH MISHRA

RESOURCE PERSON DETAILS

Prof. Bishakh Bhattacharya is Professor at the Department of Mechanical Engineering and currently heading the Cognitive Science programme, IIT Kanpur.

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

Roll No:NPTEL17ME2751760023

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of C
	Elite + C
60-89	E
40-59	Successfully completed the course
<40	No Certificate

lo. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

RISHABH MISHRA

for successfully completing the course

Nature And Properties Of Materials

with a consolidated score of 52 %

Online Assignments	15/25	Proctored Exam	36.75/75

Total number of candidates certified in this course: 166

T. V. Prabhakar

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education,IITK

Jul-Sep 2017
(8 week course)

Satyaki

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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

Indian Institute of Technology Kanpur

Roll No: NPTEL17ME27S1760023 To validate and check scores: http://nptel.ac.in/cer

PROF. SANKAR KUMAR SOM
Department of Mechanical Engineering
IIT Kharagpur
PROF. SUMAN CHAKRABORTY
Department of Mechanical Engineering
IIT Kharagpur

PRE-REQUISITES : Basic knowledge of mathematics

INTENDED AUDIENCE : Interested students

INDUSTRIES APPLICABLE TO : G.E., I.O.C.L, G.A.I.L., O.N.G.C, Shell

COURSE OUTLINE :

Thermodynamics is the branch of science that describes the basic laws and principles governing the processes of transfer and transformation of energy along with the changes in properties of the substances affected by such processes. The laws are formulated from observations in nature. The basic principles as corollaries of the laws are established through logical deductions following the laws. The science of thermodynamics also provides the relationships of the properties of substances for their use in determining the changes of properties in physical processes performed by the substances. The subject thermodynamics is of prime importance as a foundation pillar of all branches of engineering, since technological processes and their developments involve transfer and transformation of energy. In the present course we will discuss the laws of thermodynamics and its corollaries. The discussion will be based on physical concepts, mathematical expressions and illustrated examples of practical applications. This will not only clear the physical concepts of the students but will enable the students to get rid of usual misleading concepts in understanding the laws and their applications.

ABOUT INSTRUCTOR :

Prof. Sankar Kumar Som is currently an emeritus Professor (on re-employment) in the department of Mechanical Engineering at the Indian Institute of Technology, Kharagpur. His field of expertise is thermo fluid sciences. His research interest is combustion science, and in particular, droplet and spray combustion. Apart from guiding 16 doctoral students and publishing more than 100 research papers in peer-reviewed international journals, he has served as principal investigator and chief consultant in several industrial projects with different government and private organizations. He has authored a text book titled 'Introduction to Heat Transfer ', published by PHI learning, and has also co-authored a text book titled 'Introduction to Fluid Mechanics and Fluid Machines', published by McGraw-Hill Education. He has made significant contributions in national programs on distant learning. He has contributed to NPTEL through his video based and web based courses on 'Fluid Mechanics', 'Thermodynamics', 'Fluid Machines and Compressible flows'. He has also taught Fluid Mechanics in a program titled 'Train Ten Thousand Teachers' under MEICT. The present UG and PG course curricula in Engineering and Science at IIT Kharagpur were developed under his leadership as the chairman of a Curriculum Review Committee. He is a fellow of the National Academy of Sciences, India (FNASc) and also of Indian National Academy of Engineering (FNAE). In recognition to his consistent and high level teaching, he was bestowed with the INSA Teachers Award (2014). He has also served the administration at IIT Kharagpur as Head, Department of Mechanical Engineering; Dean, Undergraduate Studies; and Director (officiating).

Prof. Suman Chakraborty is currently a Prof essor in the MechanicalEngineering Department as well as an Institute Chair Professor of theIndian Institute of Technology Kharagpur, India, and the Head of th eSchool of Medical Science and Technology. He is also the AssociateDean for Sponsored Research and Industrial Consultancy. His cu rrentareas of research include microflu idics, nanofluidics, micro-nano scaletransport, with particular focus o n biomedical applications. He has beenawarded the Santi Swaroop Bhatnagar Prize in the year 2013, which isthe highest Scientific Award from the Government of India. He has beenelected as a Fellow of the American Physical Society, Fellow of the RoyalSociety of Chemistry, Fellow of ASME, Fellow of all the Indian NationalAcademies of Science and Engineering, recipient of the Indo-USResearch Fellowship, Scopus Young S cientist Award for high citation ofhis research in scientific/technical Journals, and Young Scientist/ YoungEngineer Awards from various National Academies of Science andEngineering. He has also been an Alexander von Humboldt Fellow, and avisiting Professor at th e Stanford University. He h as 380+ Journal publications.

COURSE PLAN :

Week 1: Introduction and Fundamental Definitions
Week 2: First Law of thermodynamics
Week 3: First Law (continued). Second law of thermodynamics
Week 4: Entropy and its transport

Laws of Thermodynamics

COURSE OUTLINE

Thermodynamics is the branch of science that describes the basic laws and principles governing the processes of transfer and transformation of energy along with the changes in properties of the substances affected by such processes. The laws are formulated from observations in nature. The basic principles as corollaries of the laws are established through logical deductions following the laws. The science of thermodynamics also provides the relationships of the properties of substances for their use in determining the changes of properties in physical processes performed by the substances. The subject thermodynamics is of prime importance as a foundation pillar of all branches of engineering, since technological processes and their developments involve transfer and transformation of energy. In the present course we will discuss the laws of thermodynamics and its corollaries. The discussion will be based on physical concepts, mathematical expressions and illustrated examples of practical applications. This will not only clear the physical concepts of the students but will enable the students to get rid of usual misleading concepts in understanding the laws and their applications.

TOPICS COVERED

Week 1: Introduction and Fundamental Definitions
Week 2: First Law of thermodynamics
Week 3: First Law (continued), Second law of thermodynamics
Week 4: Entropy and its transport

NO.OF.STUDENTS ATENDED:2

LIST OF STUDNTS ATTENDED

S.NO	STUDENT NAME
1	KOPPUSETTY VENKATESH
2	V V S D KASI MANIKANTA VINOD.YANDAPALLI

RESOURCE PERSON DETAILS

Prof. Sankar Kumar Som is currently an emeritus Professor (on re-employment) in the department of Mechanical Engineering at the Indian Institute of Technology, Kharagpur.

Prof. Suman Chakraborty is currently a Professor in the Mechanical Engineering Department as well as an Institute Chair Professor of the Indian Institute of Technology Kharagpur, India, and the Head of the School of Medical Science and Technology.

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

Roll No. NPTEL17MM1651760011

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold
60-89	Elite
40-59	Successful
<40	No Certificate

o. of credits recommended by NPTEL:1

NPTEL Online Certification

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

This certificate is awarded to

V V S D KASI MANIKANTA VINOD.YANDAPALLI

for successfully completing the course

Laws Of Thermodynamics

with a consolidated score of 44 %

Online Assignments	18/25	Proctored Exam	25.5/75

Total number of candidates certified in this course: 1533

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Aug, 2017
(4 week course)

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

Indian Institute of Technology Kharagpur

Roll No: NPTEL17MM1651760011

Roll No NPTEL17MM16S1760040

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

nf credits recommended by NPTEL:1

NPTEL Online Certification

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

This certificate is awarded to

KOPPUSETTY VENKATESH

for successfully completing the course

Laws Of Thermodynamics

with a consolidated score of **50 %**

Online Assignments	13.5/25	Proctored Exam	36/75

Total number of candidates certified in this course: **1533**

Jul-Aug 2017
(4 week course)

A Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

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

UEL17MM1S1760040

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

PRODUCT DESIGN AND DEVELOPMENT

PROF. INDERDEEP SINGH
Department of Mechanical and Industrial Engineering
IIT Roorkee

PRE - REQUISITES : Any student enrolled for a UG/PG degree in any discipline of humanities, management, science and engineering can complete the course.
INDUSTRY SUPPORT : All industries where products are being conceptualized, designed and developed in order to satisfy the human needs and requirements.
INTENDED AUDIENCE: It is a core course for UG and PG

COURSE OUTLINE :

It has been established worldwide that the most successful economies are based on innovation and creativity led entrepreneurship. The government is focusing on putting concerted efforts to produce job creators. The current MOOC on Product Design and Development is conceptualized and planned in such a way that it helps both job creators as well as job seekers. The main objective of the course is to acquaint the learners/students with the practical knowledge regarding conceptualization, design and development of a new product. The need of a new product, the product life cycle, the product design process, the application of Value Engineering principles in product design, various product design tools such as CAD, DFM, DFA and DFMA have been explained with relevant and specific examples/ case studies. The concept of Ergonomics in context of the product design has been explained with the help of case studies. The fundamental concept of Rapid Prototyping as well the working principles of the basic rapid prototyping techniques has also been explained.

ABOUT INSTRUCTOR :

Prof. Inderdeep Singh is currently working as Associate Professor in Department of Mechanical and Industrial Engineering at Indian Institute of Technology Roorkee. He has taught among others, the industrial engineering courses such as Production Planning and Control, Product Design and Development, Work System Design, Industrial Management and Quality Management. He has been actively involved in the National Mission Project on Education Through ICT (NME-ICT) of Government of India. He has completed three video and one web course under the National Programme on Technology Enhanced Learning (NPTEL). He has developed suitable pedagogical methods for two under-graduate courses of Mechanical Engineering.

COURSE PLAN :

Week1: Introduction to course, Product life-cycle, Product policy of an organization. Selection of a profitable product, Product design process,Product analysis.

Week 2: Value engineering in product design; Advantages, Applications in product design, Problem identification and selection, Analysis of functions, Anatomy of function.Primary versus secondary versus tertiary/unnecessary functions, Functional analysis: Functional Analysis System Technique (FAST), Case studies.

Week 3: Introduction to product design tools, QFD, Computer Aided Design, Robust design, DFX, DFM, DFA,Ergonomics in product design,.

Week 4: DFMA guidelines, Product design for manual assembly, Design guidelines for metallic and non-metallic products to be manufactured by different processes such as casting, machining, injection molding etc., Rapid prototyping, needs, advantages, working principle of SLA, LOM and SLS

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Product Design and Development

COURSE OUTLINE

It has been established worldwide that the most successful economies are based on innovation and creativity led entrepreneurship. The government is focusing on putting concerted efforts to produce job creators. The current MOOC on Product Design and Development is conceptualized and planned in such a way that it helps both job creators as well as job seekers. The main objective of the course is to acquaint the learners/students with the practical knowledge regarding conceptualization, design and development of a new product.

TOPICS COVERED

Week 1 : Introduction to course, Product life-cycle. Product policy of an organization Selection of a profitable product, Product design process. Product analysis.

Week 2 : Value engineering in product design; Advantages. Applications in product design. Problem identification and selection. Analysis of functions, Anatomy of function. Primary versus secondary versus tertiary/unnecessary functions. Functional analysis. Functional Analysis System Technique (FAST). Case studies.

Week 3 : Introduction to product design tools, QFD, Computer Aided Design. Robust design. DFX. DFM. DFA, Ergonomics in product design.

Week 4 : DFMA guidelines, Product design for manual assembly. Design guidelines for metallic and nonmetallic products to be manufactured by different processes such as casting, machining, injection molding etc., Rapid prototyping, needs, advantages, working principle of SLA. LOM and SLS

NO.OF.STUDENTS ATTENDED:1

LIST OF STUDNTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	BALLA NAGA SAI KUMAR	16A35A0313

RESOURCE PERSON DETAILS

Prof. Inderdeep Singh is currently working as Associate Professor in Department of Mechanical and Industrial Engineering at Indian Institute of Technology Roorkee.

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Roll No:NPTEL18ME31S1950316

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

29/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

...of credits recommended by NPTEL:1

Elite

NPTEL Online Certification

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

This certificate is awarded to

BALLA NAGA SAI KUMAR

for successfully completing the course

Product Design and Development

with a consolidated score of **71 %**

Online Assignments	21.75/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: **578**

Prof. B. K. Gandhi
...Coordinator, Continuing Education Center
...Coordinator, IIT Roorkee

Feb-Mar 2018
(4 week course)

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

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL18ME31S1950316

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

THEORY AND PRACTICE OF NON DESTRUCTIVE TESTING

PROF. RANJIT BAURI
Department of Metallurgical and Materials Engineering
IIT Madras

TYPE OF COURSE : Rerun | Elective | UG/PG
COURSE DURATION : 8 weeks

PRE-REQUISITES : BE/Diploma in Engineering (Mech/Manufac/Production/Civil/Aerospace/App Mech/Material Engg)

INTENDED AUDIENCE : Students, Researchers, Practicing Engineers

INDUSTRIES APPLICABLE TO : Manufacturing and Automotive Industries

COURSE OUTLINE :

Nondestructive Testing (NDT) plays an extremely important role in quality control, flaw detection and structural health monitoring covering a wide range of industries. There are varieties of NDT techniques in use. This course will first cover the fundamental science behind the commonly used NDT methods to build the basic understanding on the underlying principles. It will then go on to cover the process details of each of these NDT methods.

ABOUT INSTRUCTOR :

Prof. Ranjit Bauri is an Professor in the Dept. of Metallurgical and Materials Engineering, IIT Madras. He has more than a decade of experience in teaching NDT theory and practical courses. He is a life member of Indian Society for Non Destructive Testing (ISNT). He is also a seasoned researcher with more than a decade of research experience. His research areas include Composite materials, Al alloys, Friction stir welding and processing, Powder Metallurgy and Microscopy.

COURSE PLAN :

Week 1: Introduction to NDT, Visual Optical methods, Dye penetrant testing, Basic principle, Types of dye and methods of application, Developer application and Inspection.

Week 2: Magnetic particle testing, Basic theory of magnetism, Magnetization methods,Field indicators, Particle application, Inspection.

Week 3: Eddy current testing, Basic principle; Faraday's law, Inductance, Lenz's law,Self and Mutual Inductance, Impedance plane, Inspection system and probes,System calibration.

Week 4: Ultrasonic testing: Basics of ultrasonic waves, Pulse and beam shapes,Ultrasonic transducers.

Week 5: Test method, Distance and Area calibration, Weld Inspection by UT.

Week 6: Acoustic emission testing: Basic principle, Sources of acoustic emission, Source parameters, Kaiser-Felicity theory, Equipment and Data display, Source location schemes.

Week 7: Radiography: X-rays and their properties, X-ray generation, X-ray absorption and atomic scattering.

Week 8: Image formation, Image quality, Digital Radiography, Image Interpretation,Radiation Shielding. Comparison and selection of NDT methods, Concluding remarks.

Theory and Practice of Non Destructive Testing

COURSE OUTLINE

Nondestructive Testing (NDT) plays an extremely important role in quality control, flaw detection and structural health monitoring covering a wide range of industries. There are varieties of NDT techniques in use. This course will first cover the fundamental science behind the commonly used NDT methods to build the basic understanding on the underlying principles. It will then go on to cover the process details of each of these NDT methods.

TOPICS COVERED

Week 1: Introduction to NDT, Visual Optical methods, Dye penetrant testing, Basic principle, Types of dye and methods of application

Week 2: Magnetic particle testing, Basic theory of magnetism, Magnetization methods.Field indicators, Particle application, Inspection.

Week 3: Eddy current testing, Basic principle; Faraday's law, Inductance, Lenz's law.Self and Mutual Inductance

Week 4: Ultrasonic testing: Basics of ultrasonic waves, Pulse and beam shapes.Ultrasonic transducers.

Week 5: Test method, Distance and Area calibration, Weld inspection by UT.

Week 6: Acoustic emission testing: Basic principle, Sources of acoustic emission, Source parameters Week 7: Radiography: X-rays and their properties, X-ray generation, X-ray absorption and atomic scattering.

Week 8: Image formation, Image quality, Digital Radiography, Image interpretation,Radiation Shielding

NO.OF.STUDENTS ATENDED:1

LIST OF STUDNTS ATTENDED

S.NO	STUDENT NAME	ROLL NO
1	KONDAPALLI MANIKARTHIK	15A31A0390

RESOURCE PERSON DETAILS

Dr. Ranjit Bauri is an Professor in the Dept. of Metallurgical and Materials Engineering, IIT Madras.

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

Roll No:NPTEL18MM04S3850098

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

62/389

Score	Type of Cert. / Grade
[illegible]	Elite + Gold
60-89	Elite
40-59	Successful [illegible]
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

KONDAPALLI MANIKARTHIK

for successfully completing the course

Theory and Practice of Non Destructive Testing

with a consolidated score of 60 %

Online Assignments	20.25/25	Proctored Exam	39.25/75

Total number of candidates certified in this course 392

Prof. A. Ramesh
Chairman
Center for Continuing Education, IITM

Feb-Mar 2018
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

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

Indian Institute of Technology Madras

Roll No: NPTEL18MM04S3850098

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

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

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2017-18

Problem Solving Through Programming In C

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

TOPICS COVERED

Week 1 : Introduction to Problem Solving through programs, Flowcharts/Pseudo codes

Week 2 : Arithmetic expressions, Relational Operations, Logical expressions

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

NO. OF STUDENTS ATTENDED:05

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	SRIRAMULA VENKATAKRISHNA
2	VEDULA KRISHNA ADITYA
3	SHAIK.BASHEERAMMA
4	CHILUKURI SAMYUKTHA
5	PERURI ANJANI RATNA

LIST OF STUDENTS COMPLETED: 01

S.NO	STUDENT NAME
1	SRIRAMULA VENKATAKRISHNA

Coordinator

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

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

Roll No:NPTEL18CS10S3850080

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

30/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

SRIRAMULA VENKATAKRISHNA

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **57** %

Online Assignments	15.71/25	Proctored Exam	41/75

Total number of candidates certified in this course: **6158**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jan-Apr 2018
(12 week course)

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

Indian Institute of Technology Kharagpur

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FREE ONLINE EDUCATION swayam

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ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2017-18

Programming, Data Structures and Algorithms Using Python

COURSE OUTLINE

This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files.

TOPICS COVERED

Week 1: Informal introduction to program in, algorithms and data structures via gcd

Week 2: Python: types, expressions, strings, lists, tuples, Python memory model, List operations

Week 3: Basic algorithmic analysis: input size, asymptotic complexity, O() notation

Week 4: Dictionaries, More on Python functions: optional arguments, default values

Week 5: Exception handling, Basic input/output, Handling files, String processing

Week 6: Backtracking: N Queens, recording all solutions,Scope in Python: local

Week 7: Abstract datatypes, Classes and objects in Python, "Linked" lists: find, insert, delete

Week 8:Efficient evaluation of recursive definitions: memorization.

NO. OF STUDENTS ATTENDED:2

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	DHARAN ADITYA GUTHULA
2	CHITHAJALLU SAI VENKATESH

LIST OF STUDENTS COMPLETED: 1

S.NO	STUDENT NAME
1	DHARAN ADITYA GUTHULA

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

Coordinator

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON

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

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

PRE-REQUISITES : School level mathematics.

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

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

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

COURSE PLAN:
Week 1:
Informal introduction to programmin, algorithms and data structures viagcd
Downloading and installing Python
gcd in Python: variables, operations, control flow - assignments, condition-als, loops, functions
Week 2:
Python: types, expressions, strings, lists, tuples
Python memory model: names, mutable and immutable values
List operations: slices etc
Binary search
Inductive function denitions: numerical and structural induction
Elementary inductive sorting: selection and insertion sort
In-place sorting
Week 3:
Basic algorithmic analysis: input size, asymptotic complexity, O() notation
Arrays vs lists
Merge sort
Quicksort
Stable sorting
Week 4:
Dictionaries
More on Python functions: optional arguments, default values
Passing functions as arguments
Higher order functions on lists: map, lter, list comprehension
Week 5:
Exception handling
Basic input/output
Handling files
String processing
Week 6:
Backtracking: N Queens, recording all solutions
Scope in Python: local, global, nonlocal names
Nested functions
Data structures: stack, queue
Heaps
Week 7:
Abstract datatypes
Classes and objects in Python
"Linked" lists: find, insert, delete
Binary search trees: find, insert, delete
Height-balanced binary search trees
Week 8:
Effcient 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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Roll No:NPTEL18CS21S4850149

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

7/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

DHARAN ADITYA GUTHULA

for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of **71** %

Online Assignments	25/25	Proctored Exam	46.15/75

Total number of candidates certified in this course: **3396**

Prof. A. Ramesh
Chairman
Center for Continuing Education, IITM

Feb-Mar 2018
(8 week course)

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

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL18CS21S4850149

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

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ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2017-18

Microprocessors and Microcontrollers

COURSE OUTLINE

Microprocessors are used extensively in the design of any computing facility. It contains units to carry out arithmetic and logic calculations, fast storage in terms of registers and associated control logic to get instructions from memory and execute them. A number of devices can be interfaced with them to develop a complete system application. On the other hand, microcontrollers are single chip computers, integrating processor, memory and other peripheral modules into a single System-on-Chip (SoC).

TOPICS COVERED

Week 1: Introduction: General processor architecture, Microprocessors, Microcontrollers

Week 2: 8085 – Part I

Week 3: 8085 – Part II

Week 4: 8085 – Part III

Week 5: 8085 – Part IV

Week 6: 8051 – Part I

Week 7: 8051 – Part II

Week 8: PIC, AVR

Week 9: ARM – Part I

Week 10:ARM – Part II

Week 11:Interfacing examples – Part I

Week 12: Interfacing examples – Part II

NO. OF STUDENTS ATTENDED:20

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	TALATAM ASHWINI
2	KOPPANA POORNA CHANDRIKA
3	PUPPALA JAHNAVI
4	CHITHAJALLU SAI VENKATESH
5	TADINADA SRI LAKSHMI SUSMITHA

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

6	MOUNIKA MARELLA
7	RUCHITA KEERTHI LINGAMPALLI
8	ROHIT CHIKATLA
9	KEERTY AISHWARYA
10	G.HARSHANANDINI
11	RASAGNA YADAGANI
12	BANDARU SRI HARIKA DEVI
13	MUTYALA HEMA MOUNIKA
14	DHARANADITYA GUTHULA
15	SHAIK BASHEERAMMA
16	SAI APU MANIKANTAKUMAR
17	KUKKALA SYAMALA
18	SAHINI HARIKA
19	K A S S MOUNIKA
20	S.GANGA BHAVANI

LIST OF STUDENTS COMPLETED : 13

S.NO	STUDENT NAME
1	TALATAM ASHWINI
2	KOPPANA POORNA CHANDRIKA
3	PUPPALA JAHNAVI
4	CHITHAJALLU SAI VENKATESH
5	TADINADA SRI LAKSHMI SUSMITHA
6	MOUNIKA MARELLA
7	RUCHITA KEERTHI LINGAMPALLI
8	ROHIT CHIKATLA
9	KEERTY AISHWARYA
10	G.HARSHANANDINI
11	RASAGNA YADAGANI
12	BANDARU SRI HARIKA DEVI
13	MUTYALA HEMA MOUNIKA

Coordinator

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

MICROPROCESSORS AND MICROCONTROLLERS

PROF. SANTANU CHATTOPADHYAY

Department of Electronics and
Electrical Communication Engineering
IIT Kharagpur

TYPE OF COURSE : Rerun | Core | UG
COURSE DURATION : 12 weeks

PRE-REQUISITES : Digital Design, Digital Logic
INTENDED AUDIENCE : CSE, ECE, EE students
INDUSTRIES APPLICABLE TO : Companies involved in development of microprocessor and microcontroller based products

COURSE OUTLINE :

Microprocessors are used extensively in the design of any computing facility. It contains units to carry out arithmetic and logic calculations, fast storage in terms of registers and associated control logic to get instructions from memory and execute them. A number of devices can be interfaced with them to develop a complete system application. On the other hand, microcontrollers are single chip computers, integrating processor, memory and other peripheral modules into a single System-on-Chip (SoC). Apart from input-output ports, the peripherals often include timers, data converters, communication modules, and so on. The single chip solution makes the footprint of the computational element small in the overall system package, eliminating the necessity of additional chips on board. However, there exists a large range of such products. While the simpler microcontrollers are cheap, their capabilities (in terms of program size and analog and digital peripherals) are also limited. Such processors may be suitable for small applications. Microcontrollers like 8051, PIC belong to this category. On the other hand, advanced microcontrollers are often much more powerful, comparable to the very advanced microprocessors. The AVR and ARM processors are of this category.

ABOUT INSTRUCTOR :

Prof. Santanu Chattopadhyay received his BE degree in Computer Science and Technology from Calcutta University (B.E. College) in 1990. He received M.Tech in Computer and Information Technology and PhD in Computer Science and Engineering from Indian Institute of Technology Kharagpur in 1992 and 1996, respectively. He is currently a Professor in the Department of Electronics and Electrical Communication Engineering, IIT Kharagpur. His research interests include Digital Design, Embedded Systems, System-on-Chip (SoC) and Network-on-Chip (NoC) Design and Test, Power- and Thermal-aware Testing of VLSI Circuits and Systems. He has published more than 150 papers in reputed international journals and conferences. He has published several text and reference books on Compiler Design, Embedded Systems and other related areas.

COURSE PLAN :

Week 1: Introduction: General processor architecture, Microprocessors, Microcontrollers
Week 2: 8085 – Part I
Week 3: 8085 – Part II
Week 4: 8085 – Part III
Week 5: 8085 – Part IV
Week 6: 8051 – Part I
Week 7: 8051 – Part II
Week 8: PIC, AVR
Week 9: ARM – Part I
Week 10:ARM – Part II
Week 11:Interfacing examples – Part I
Week 12: Interfacing examples – Part II

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

Roll No:NPTEL18EC03S4760105

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

46/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

PUPPALA JAHNAVI

for successfully completing the course

Microprocessors and Microcontrollers

with a consolidated score of **49** %

Online Assignments	22.25/25	Proctored Exam	27/75

Total number of candidates certified in this course: **1322**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jan-Apr 2018
(12 week course)

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

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

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EC03S4850060

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

39/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

KEERTY AISHWARYA

for successfully completing the course

Microprocessors and Microcontrollers

with a consolidated score of **58** %

Online Assignments	22/25	Proctored Exam	36/75

Total number of candidates certified in this course: **1322**

Jan-Apr 2018
(12 week course)

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

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

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

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EC03S4850196

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

40/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

Elite

NPTEL Online Certification

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

This certificate is awarded to

G.HARSHANANDINI

for successfully completing the course

Microprocessors and Microcontrollers

with a consolidated score of **60 %**

Online Assignments	21.25/25	Proctored Exam	39/75

Total number of candidates certified in this course: **1322**

Jan-Apr 2018
(12 week course)

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

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

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

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EC03S4850241

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

41/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

RASAGNA YADAGANI

for successfully completing the course

Microprocessors and Microcontrollers

with a consolidated score of **44** %

Online Assignments	21.25/25	Proctored Exam	22.5/75

Total number of candidates certified in this course: **1322**

Jan-Apr 2018
(12 week course)

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

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

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

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

Roll No: NPTEL18EC03S4850241

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

Roll No:NPTEL18EC03S4850263

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

42/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

BANDARU SRI HARIKA DEVI

for successfully completing the course

Microprocessors and Microcontrollers

with a consolidated score of **52** %

Online Assignments	21.75/25	Proctored Exam	30/75

Total number of candidates certified in this course: **1322**

Jan-Apr 2018
(12 week course)

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

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

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

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION swayam

PRAGATI ENGINEERING COLLEGE

1-378, ADB Road, Surampalem-533437

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

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2017-18

Principles of Communication Systems - I

COURSE OUTLINE

This course covers fundamental concepts of communication systems, which are essential for the understanding of advanced courses in digital/ wireless communication systems. Beginning with various basic tools such as Fourier Series/ Transform, the course will also cover several important modulation techniques such as Amplitude Modulation, Frequency Modulation, Phase Modulation etc. Sampling process and Quatization, including Nyquist criterion and reconstruction of the original signal from the sampled signal will be dealt with in the later parts of the course.

TOPICS COVERED

Week 1 : Basic tools for communication, Fourier Series/Transform, Properties, Autocorrelation

Week 2 : Amplitude Modulation (AM), Spectrum of AM, Envelope Detection, Power Efficienc

Week 3 : Double Sideband Suppressed Carrier (DSB-SC) Modulation

Week 4 : Single Sideband Modulation (SSB), Hilbert Transform, Complex Pre-envelope/ Envelope

Week 5 : Angle Modulation, Frequency Modulation , Phase Modulation (PM), Modulation Index

Week 6 : Spectrum of FM Signals, Carsons Rule for FM Bandwidth, Narrowband FM Generation

Week 7 : Introduction to Sampling, Spectrum of Sampled Signal, Aliasing, Nyquist Criterion

Week 8 :Quantization, Uniform Quantizers – Midrise and Midtread, Quantization noise

Week 9 : Basics of Probability, Conditional Probability, MAP Principle

Week 10: Random Variables, Probability Density Functions, Applications in Wireless Channels

Week 11: Basics of Random Processes, Wireless Fading Channel Modeling

Week 12: Gaussian Random Process, Noise, Bit-Error and Impact on Wireless Systems

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

NO. OF STUDENTS ATTENDED:20

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	PERURI ANJANI RATNA
2	CHILUKURI SAMYUKTHA
3	VEDULA KRISHNA ADITYA
4	SHAIK.BASHEERAMMA
5	SALAPU MANIKANTAKUMAR
6	KUKKALA SYAMALA
7	SAHINI HARIKA
8	K.A.S.S.MOUNIKA
9	TALATAM ASHWINI
10	S.GANGA BHAVANI

LIST OF STUDENTS COMPLETED: 9

S.NO	STUDENT NAME
1	PERURI ANJANI RATNA
2	CHILUKURI SAMYUKTHA
3	VEDULA KRISHNA ADITYA
4	SHAIK.BASHEERAMMA
5	SALAPU MANIKANTAKUMAR
6	KUKKALA SYAMALA
7	SAHINI HARIKA
8	K.A.S.S.MOUNIKA
9	S.GANGA BHAVANI

Coordinator

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

PRINCIPLES OF COMMUNICATION SYSTEMS - I

PROF. ADITYA K. JAGANNATHAM
Department of Electronics and Communications Engineering
IIT Kanpur

TYPE OF COURSE : Rerun | Core | UG
COURSE DURATION : 12 weeks

PRE-REQUISITES : Basic knowledge of Probability, Calculus

INTENDED AUDIENCE : Intended audience is students, practicing engineers, technical and non-technical managers of telecom companies, students preparing for competitive exams with communication engineering subject

INDUSTRIES APPLICABLE TO : Most companies in wireless communications area should find this useful. Examples are Qualcomm, Broadcom, Intel etc.

COURSE OUTLINE :

This course covers fundamental concepts of communication systems, which are essential for the understanding of advanced courses in digital/ wireless communication systems. Beginning with various basic tools such as Fourier Series/ Transform, the course will also cover several important modulation techniques such as Amplitude Modulation, Frequency Modulation, Phase Modulation etc. Sampling process and Quatization, including Nyquist criterion and reconstruction of the original signal from the sampled signal will be dealt with in the later parts of the course. Further, the course will also cover concepts in probability and random variables/ processes and is designed to serve as a basic course towards introducing the students to various aspects of probability from the perspective of modern digital and wireless communications.

ABOUT INSTRUCTOR :

Prof. Aditya K. Jagannatham received his Bachelors degree from the Indian Institute of Technology, Bombay and M.S. and Ph.D. degrees from the University of California, San Diego, U.S.A.. From April 07 to May 09 he was employed as a senior wireless systems engineer at Qualcomm Inc., San Diego, California, where he worked on developing 3G UMTS/WCDMA/HSDPA mobile chipsets as part of the Qualcomm CDMA technologies division. His research interests are in the area of next-generation wireless communications and networking, sensor and ad-hoc networks, digital video processing for wireless systems, wireless 3G/4G cellular standards and CDMA/OFDM/MIMO wireless technologies.

COURSE PLAN :

Week 1: Basic tools for communication, Fourier Series/Transform, Properties, Autocorrelation, Energy Spectral Density, Parsevals Relation

Week 2: Amplitude Modulation (AM), Spectrum of AM, Envelope Detection, Power Efficiency, Modulation Index

Week 3: Double Sideband Suppressed Carrier (DSB-SC) Modulation, Quadrature Carrier Multiplexing (QCM), Demodulation, Costas Receiver

Week 4: Single Sideband Modulation (SSB), Hilbert Transform, Complex Pre-envelope/ Envelope, Demodulation of SSB

Week 5: Angle Modulation, Frequency Modulation (FM), Phase Modulation (PM), Modulation Index

Week 6: Spectrum of FM Signals, Carsons Rule for FM Bandwidth, Narrowband FM Generation

Week 7: Introduction to Sampling, Spectrum of Sampled Signal, Aliasing, Nyquist Criterion, Signal Reconstruction from Sampled Signal

Week 8: Quantization, Uniform Quantizers - Midrise and Midtread, Quantization noise, Lloyd Max Quantization Algorithm, Non uniform Quantizers

Week 9: Basics of Probability, Conditional Probability, MAP Principle

Week 10: Random Variables, Probability Density Functions, Applications in Wireless Channels

Week 11: Basics of Random Processes, Wireless Fading Channel Modeling

Week 12: Gaussian Random Process, Noise, Bit-Error and Impact on Wireless Systems

Roll No:NPTEL18EE03S4850116

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

16/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

SHAIK.BASHEERAMMA

for successfully completing the course

Principles of Communication Systems - I

with a consolidated score of **47** %

Online Assignments	18.5/25	Proctored Exam	28.5/75

Total number of candidates certified in this course: **371**

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Jan-Apr 2018
(12 week course)

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

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EE03S4850134

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

14/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

CHILUKURI SAMYUKTHA

for successfully completing the course

Principles of Communication Systems - I

with a consolidated score of **52** %

Online Assignments	20/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: **371**

Jan-Apr 2018

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

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

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EE03S4850152

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

21/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

Elite

NPTEL Online Certification

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

This certificate is awarded to

S.GANGA BHAVANI

for successfully completing the course

Principles of Communication Systems - I

with a consolidated score of **72** %

Online Assignments	19.5/25	Proctored Exam	52.5/75

Total number of candidates certified in this course: **371**

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Jan-Apr 2018
(12 week course)

Satyaki Roy
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

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EE03S4850158

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

18/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

KUKKALA SYAMALA

for successfully completing the course

Principles of Communication Systems - I

with a consolidated score of **53** %

Online Assignments	19.75/25	Proctored Exam	33/75

Total number of candidates certified in this course: **371**

Jan-Apr 2018
(12 week course)

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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

Indian Institute of Technology Kanpur

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EE0354850164

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

20/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

K.A.S.S.MOUNIKA

for successfully completing the course

Principles of Communication Systems - I

with a consolidated score of **55** %

Online Assignments	20.25/25	Proctored Exam	34.5/75

Total number of candidates certified in this course: **371**

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Jan-Apr 2018
(12 week course)

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

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

PRAGATI ENGINEERING COLLEGE

1-378, ADB Road, Surampalem-533437
(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA & Accredited by NAAC with 'A' Grade)
Recognized by UGC under sections 2(f) & 12(b) of the UGC Act ,1956)
ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

A.Y: 2017-18

Electromagnetic Theory

COURSE OUTLINE

Electromagnetic theory is a core course in Electrical Engineering curriculum. The course covers static and dynamic electric and magnetic fields and their interaction. Major topics include Electromagnetic Waves, Transmission Lines, Waveguides, and Antenna fundamentals. In addition, quasi-static analysis and numerical methods are also discussed. Successful completion of the course will allow students to take up Microwave Engg, Antennas, and Optics for future studies.

TOPICS COVERED

Week 1 : Coulomb's law and electric fields

Week 2 : Gauss's law, potential and energy, conductors and dielectrics

Week 3 : Laplace and Poisson equations, solution methods, and capacitance

Week 4 : Biot-Savart and Ampere's laws, inductance calculation

Week 5 : Magnetic materials, Faraday's law and quasi-static analysis

Week 6 : Maxwell equations and uniform plane waves

Week 7 : Wave propagation in dielectrics and conductors, skin effect, normal incidence

Week 8 : Oblique incidence, Snell's law, and total internal reflection

Week 9 : Transmission lines, Smith chart, impedance matching

Week 10 : Transients and pulse propagation on transmission line

Week 11 : Waveguides: Metallic and Dielectric

Week 12 : Antenna fundamentals

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

NO. OF STUDENTS ATTENDED:3

LIST OF STUDENTS ENROLLED

S.NO	STUDENT NAME
1	KOTHALANKA SWATHI SAMEERA
2	YALLA SRI SATYA
3	NADIKATLA BHUVANA SREE

LIST OF STUDENTS COMPLETED: 3

S.NO	STUDENT NAME
1	KOTHALANKA SWATHI SAMEERA
2	YALLA SRI SATYA
3	NADIKATLA BHUVANA SREE

Coordinator

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

ELECTROMAGNETIC THEORY

PROF. PRADEEP KUMAR K
Department of Electrical and Electronic Engineering
IIT Kanpur

INTENDED AUDIENCE : The course is an integral part of EE curriculum. Students after completing this course can take up courses in Microwave Engg, Optics, Antennas etc.,

INDUSTRIES APPLICABLE TO : This is a undergraduate core course required as a foundation to other courses in Microwave, Optical, and Antenna engineering.

COURSE OUTLINE :

Electromagnetic theory is a core course in Electrical Engineering curriculum. The course covers static and dynamic electric and magnetic fields and their interaction. Major topics include Electromagnetic Waves, Transmission Lines, Waveguides, and Antenna fundamentals. In addition, quasi-static analysis and numerical methods are also discussed. Successful completion of the course will allow students to take up Microwave Engg, Antennas, and Optics for future studies.

ABOUT INSTRUCTOR :

Prof. Pradeep Kumar K. obtained his PhD from IIT Madras specializing in quantum cryptography. He joined the Department of Electrical Engineering at IIT Kanpur in 2009. He is also associated with the Centre for Lasers & Photonics. At IIT Kanpur he and his students work in the fields of quantum key distribution, nonlinear fiber optics for signal processing, mitigation of linear and nonlinear impairments in coherent optical communications, mode locked fiber lasers and chaos, fiber-optic sensors for undersea applications, and fiber-optic modeling. He is also actively involved in the LIGO-India effort under IndiGO umbrella. His lab develops single-photon detectors, single- and subcarrier RF transceivers, and is currently working on true random number generators. He has published over 40 papers in peer reviewed journals and conferences. He also holds three patents (one granted and two pending). His MOOC courses on NPTEL has been very popular with more than 15000 enrollments from across the country.

COURSE PLAN :

Week 1 : Coulomb's law and electric fields

Week 2 : Gauss's law, potential and energy, conductors and dielectrics

Week 3 : Laplace and Poisson equations, solution methods, and capacitance

Week 4 : Biot-Savart and Ampere's laws, inductance calculation

Week 5 : Magnetic materials, Faraday's law and quasi-static analysis

Week 6 : Maxwell equations and uniform plane waves

Week 7 : Wave propagation in dielectrics and conductors, skin effect, normal incidence

Week 8 : Oblique incidence, Snell's law, and total internal reflection

Week 9 : Transmission lines, Smith chart, impedance matching

Week 10 :Transients and pulse propagation on transmission line

Week 11 :Waveguides: Metallic and Dielectric

Week 12 : Antenna fundamentals

Roll No:NPTEL18EE04S3850124

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

26/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

KOTHALANKA SWATHI SAMEERA

for successfully completing the course

Electromagnetic Theory

with a consolidated score of **40** %

Online Assignments	11.75/25	Proctored Exam	28.5/75

Total number of candidates certified in this course: **568**

Jan-Apr 2018
(12 week course)

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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

FREE ONLINE EDUCATION swayam

Roll No:NPTEL18EE04S3850177

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

27/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

YALLA SRI SATYA

for successfully completing the course

Electromagnetic Theory

with a consolidated score of **45** %

Online Assignments	12/25	Proctored Exam	33/75

Total number of candidates certified in this course: **568**

Jan-Apr 2018
(12 week course)

T V Prabhakar
Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

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

Indian Institute of Technology Kanpur

FREE ONLINE EDUCATION swayam

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2017-18
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 viagra
Downloading and installing Python
gcd in Python: variables, operations, control flow - assignments, conditionals, 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 definitions: 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, filter, 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

(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 - 233733, 34 Website: www.pragati.ac.in

LIST OF STUDENTS ENROLLED

S.No	Roll No.	Name of the Student
1	14A31A0511	IVATURI SAI MANASA
2	14A31A0518	KOTTURI LAKSHMI PRIYANKA
3	15A31A0594	TANIKELLA SRAVYA
4	15A31A0548	KANDA SATISH
5	15A31A0552	MATTA CHINNA SAMUDRUDU
6	16A31A0577	KUNISETTI MANI VEERA VENKATA RATNA KUMARI
7	15A31B0515	MATTA SAI SRESHTA
8	16A35A0502	BATCHU V.V.S.CH.SAI.SANDEEP
9	15A31A05A7	DULI VENKAT MANOJ
10	15A31A05B9	HIMATEJ S R Y
11	15A31B0554	SANJEEV TUMMALA
12	15A31A0506	CHANDRAPU TEJASREE
13	15A31A05A5	CHINTALAPUDI SATYA NIKILESH
14	15A31A0554	MEDAPATI MAHESH REDDY
15	15A31B0548	NAMALA SATYA VAMSI

Coordinator

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

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A0554	MEDAPATI MAHESH REDDY	Programming, data structures and algorithms using python	elite
2	16A35A0502	BATCHU V.V.S.CH.SAI.SANDEEP	Programming, data structures and algorithms using python	elite
3	15A31A05B9	HIMATEJ S R Y	Programming, data structures and algorithms using python	elite
4	14A31A0518	KOTTURI LAKSHMI PRIYANKA	Programming, data structures and algorithms using python	Successfully Completed
5	15A31A0548	KANDA SATISH	Programming, data structures and algorithms using python	Successfully Completed
6	16A31A0577	Kunisetti Mani Veera Venkata Ratna Kumari	Programming, data structures and algorithms using python	Successfully Completed

Coordinator

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PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

1-378, ADB ROAD, SURAMPALEM

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

SAMPLE CERTIFICATES

Roll No:NPTEL17CS1026710024AN

To

BATCHU V.V.S.CH.SAI.SANDEEP
D. NO:14-8-50, PILLVARI STREET,
RAMACHANDRAPURAM
EAST GODAVARI
ANDHRA PRADESH
533255
PH. NO :8019296831

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

Number of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

BATCHU V.V.S.CH.SAI.SANDEEP

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of 72 96

Online Assignments	25/25	Proctored Exam	46.5/75

Total number of candidates certified: 2411

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jan-Mar 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

In partnership with NASSCOM

Roll No: NPTEL17CS1026710024AN

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

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

Roll No:NPTEL17CS1026710063FN

To

KOTTURI LAKSHMI PRIYANKA
FLAT NO:101,BHAVANI NARAYANI
APARTMENT,MEHERNAGAR,KAKINADA
EAST GODAVARI
ANDHRA PRADESH
533003
PH. NO :9063455634

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

Number of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

KOTTURI LAKSHMI PRIYANKA

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of 48 %

Online Assignments	9.5/25	Proctored Exam	39/75

Total number of candidates certified: 2411

Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jan-Mar 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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NASSCOM

Roll No: NPTEL17CS1026710063FN

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2017-18

Programming in c++

BROCHURE

PROGRAMMING IN C++

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

TYPE OF COURSE : Basic | Core | UG/PG
COURSE DURATION : 8 weeks

PRE-REQUISITES : Basic Knowledge of Programming, Data Structure, C Programming Attending a course on OOP/OOAD with this course will help

INTENDED AUDIENCE : BCA, MCA, B.Tech , M.Tech.

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

COURSE OUTLINE :

There has been a continual debate on which programming language/s to learn, to use. As the latest TIOBE Index for May 2019 indicates - Java (16%), C (14%), C++ (8%), C#(4%), and Python (8%) together control nearly half the programming community. Given this, it is still important to learn C and C++ because of the efficiency they offer. While we appreciate that Java is good for applications, for graphics; and we acknowledge that Python is appropriate for portable software, engineering problem solving, and graphics; it is worth bearing in mind that the JVM and Python interpreter are indeed written in C++, making C++ the father of all languages today.

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. Dr. Das has also served as a Visiting Professor with Institute of Radio Physics and Electronics, Calcutta University from 2003 to 2013.

COURSE PLAN :

Week 1: Programming in C++ is Fun : Build and execute a C program in C++, Write equivalent programs in C++

Week 2: C++ as Better C : Procedural Extensions of C

Week 3: Overview of OOP in C++ : Classes and basic Object-Oriented features (encapsulation)

Week 4: Overview of OOP in C++ : More OO features, overloading, namespace and using struct and union

Week 5: Inheritance : Generalization / Specialization of Object Modeling in C++

Week 6: Polymorphism : Static and Dynamic Binding

Week 7: Type Casting & Exceptions : C++ cast operators; C++ Exceptions & standard exception classes

Week 8: Templates & STL - Function and Class templates and using STL like containers, algorithms

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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	15A31A0501	Aayushi Jain
2	16A31A0584	P.Madhura Meenakshi
3	16A31B0547	Nurukurthi Venkat
4	15A31A0503	Aswini Pothuri
5	16A31A0585	P.VV Lakshmi Prasanna
6	15A35A0501	N. Lakshmi Priyanka
7	16A31A0593	Vasamsetti Uma Devi
8	15A31B0548	Namala Satya Vamsi

Coordinator

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LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	16A31A0593	Vasamsetti Uma Devi	Programming in C++	Successfully Completed
2	16A31A0584	P.Madhura Meenakshi	Programming in C++	Successfully Completed
3	16A31A0585	P.VV Lakshmi Prasanna	Programming in C++	Successfully Completed

Coordinator

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SAMPLE CERTIFICATES

Roll No:NPTEL17CS24S1760055

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

POLISETTI VEERA VENKATA LAKSHMI PRASANNA

for successfully completing the course

Programming in C++

with a consolidated score of 59 %

Online Assignments	15.75/25	Proctored Exam	42.75/75

Total number of candidates certified in this course: 1504

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Sep 2017
(8 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

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No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

PEDAGADI MADHURA MEENAKSHI

for successfully completing the course

Programming in C++

with a consolidated score of 50 %

Online Assignments	12/25	Proctored Exam	38.25/75

Total number of candidates certified in this course: 1504

Jul-Sep 2017
(8 week course)

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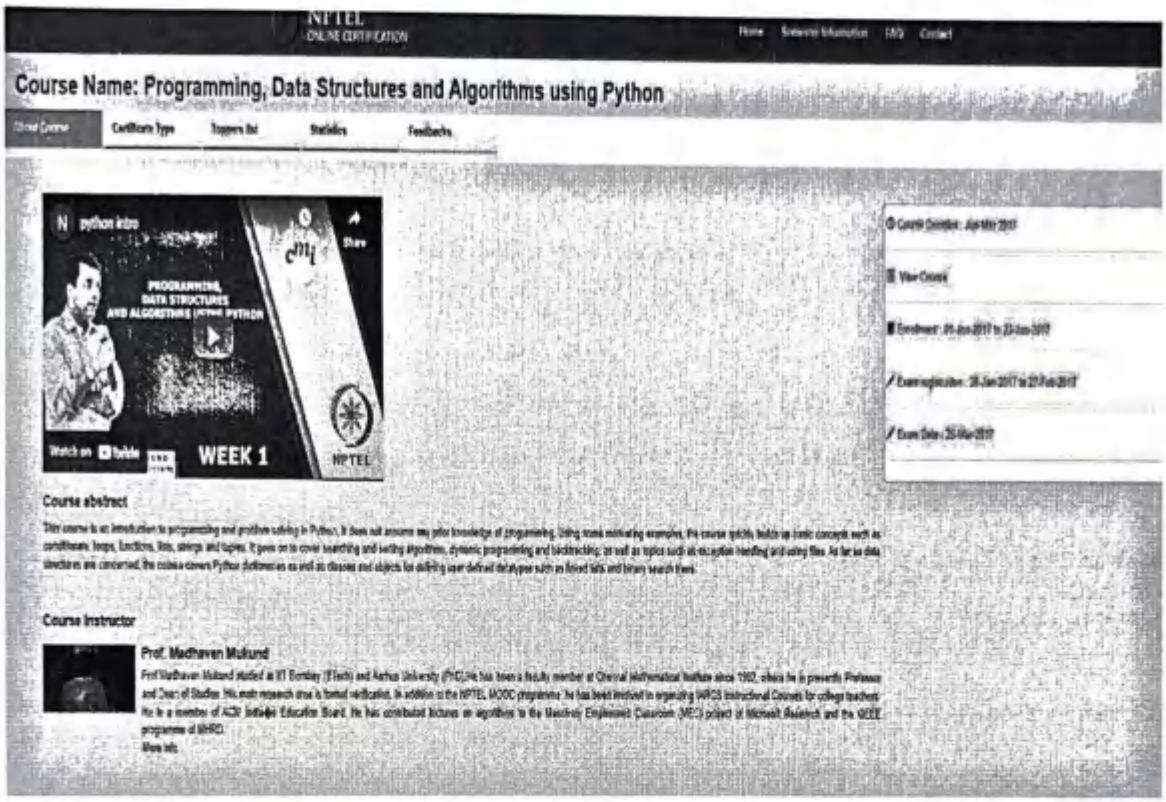

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Near Peddapuram, E.G.Dt. (AP)-533 437

PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING PYTHON

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

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

PRE-REQUISITES : School level mathematics.

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

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

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

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

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

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	16A31A1222	Motipalli Lakshmi Sri Lalitha
2	16A31A1214	G.SaiSravaniSreeja
3	16A31A1213	Duvvuri Naga Pratyusha
4	16A31A1240	YeluriJahnavi
5	16A31A1238	VelumuriAmrutha
6	16A31A1201	A Naga KrishnaveniVaraha Lakshmi
7	16A31A1260	V Kumara VeeraVenktaSatyaKanth
8	16A31A1211	DamalankaSatyaKalyani
9	16A31A1226	PanthamKavyaSree
10	15A31A1215	KilambiVaishnavi Krishna
11	16A31A1239	VuppalapatiVanitha
12	16A31A1237	VasamsettiDharani
13	16A31A1212	DevallaBhuvaneswari
14	16A31A1243	DunnaSreeVineethVenkatesh
15	16A31A1210	ChPravallika
16	16A31A1216	Karri Harika Rani
17	16A31A1254	NandamSai Sri Harsha
18	16A31A1230	Sanagavarapu Kanaka SaiPoornima
19	16A31A1202	AggitakalyaManasa
20	16A31A1204	BalabhadruniPranitha
21	16A31A1246	Grandhi . Ramakrishna Ajay
22	16A31A1250	Kanda SatyaSaiVenkataYashwanth
23	16A31A1203	RasiDeepika
24	16A31A1217	KhandavilliNandini Devi
25	16A31A1227	AlekhyaPuranam
26	16A31A1252	Kesepattapu Nikhil
27	16A31A1221	MootinaBhargaviAmulya
28	15A31A1229	VydehiSunku

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

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	16A31A1222	Motipalli Lakshmi Sri Lalitha	Programming, data structures and algorithms using python	Successfully completed
2	16A31A1214	G.SaiSravaniSreeja	Programming, data structures and algorithms using python	Successfully completed
3	16A31A1213	Duvvuri Naga Pratyusha	Programming, data structures and algorithms using python	Elite
4	16A31A1240	YeluriJahnavi	Programming, data structures and algorithms using python	Elite
5	16A31A1238	VelumuriAmrutha	Programming, data structures and algorithms using python	Elite
6	16A31A1201	A Naga KrishnaveniVaraha Lakshmi	Programming, data structures and algorithms using python	Elite
7	16A31A1260	V Kumara VeeraVenktaSatyaKanth	Programming, data structures and algorithms using python	Elite
8	16A31A1211	DamalankaSatyaKalyani	Programming, data structures and algorithms using python	Elite
9	16A31A1226	PanthamKavyaSree	Programming, data structures and algorithms using python	Elite
10	15A31A1215	KilambiVaishnavi Krishna	Programming, data structures and algorithms using python	Elite
11	16A31A1239	VuppalapatiVanitha	Programming, data structures and algorithms using python	Elite
12	16A31A1237	VasamsettiDharani	Programming, data structures and algorithms using python	Successfully completed
13	16A31A1212	DevallaBhuvaneswari	Programming, data structures and algorithms using python	Successfully completed
14	16A31A1243	DunnaSreeVineethVenkatesh	Programming, data structures and algorithms using python	Successfully completed

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

15	16A31A1210	ChPravallika	Programming, data structures and algorithms using python	Elite
16	16A31A1216	Karri Harika Rani	Programming, data structures and algorithms using python	Successfully completed
17	16A31A1254	NandamSai Sri Harsha	Programming, data structures and algorithms using python	Successfully completed
18	16A31A1230	Sanagavarapu Kanaka SaiPoornima	Programming, data structures and algorithms using python	Elite
19	16A31A1202	AggitakalyaManasa	Programming, data structures and algorithms using python	Elite
20	16A31A1204	BalabhadruniPranitha	Programming, data structures and algorithms using python	Elite
21	16A31A1246	Grandhi . Ramakrishna Ajay	Programming, data structures and algorithms using python	Elite
22	16A31A1250	Kanda SatyaSaiVenkataYashwanth	Programming, data structures and algorithms using python	Successfully completed
23	16A31A1203	RasiDeepika	Programming, data structures and algorithms using python	Elite
24	16A31A1217	KhandavilliNandini Devi	Programming, data structures and algorithms using python	Elite
25	16A31A1227	AlekhyaPuranam	Programming, data structures and algorithms using python	Successfully completed
26	16A31A1252	Kesepattapu Nikhil	Programming, data structures and algorithms using python	Elite
27	16A31A1221	MootinaBhargaviAmulya	Programming, data structures and algorithms using python	Elite
28	15A31A1229	VydehiSunku	Programming, data structures and algorithms using python	Elite

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

Roll No:NPTEL17CS28S1760094

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

MOTIPALLI LAKSHMI SRI LALITHA

for successfully completing the course

Programming, Data Structures And Algorithms Using Python

with a consolidated score of **59** %

Online Assignments	22.5/25	Proctored Exam	36/75

Total number of candidates certified in this course: **3930**

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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Roll No: NPTEL17CS28S1760094

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

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

Roll No:NPTEL17CS28S1760100

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

G.SAI SRAVANI SREEJA

for successfully completing the course

Programming, Data Structures And Algorithms Using Python

with a consolidated score of **56** %

Online Assignments	21.88/25	Proctored Exam	34.5/75

Total number of candidates certified in this course: **3930**

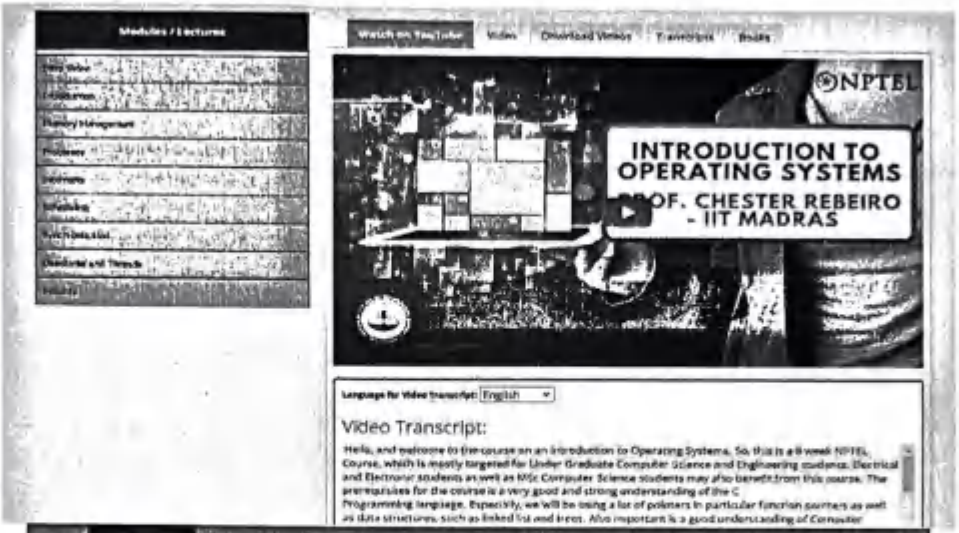
Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

In partnership with
NASSCOM



INTRODUCTION TO OPERATING SYSTEMS

PROF. CHESTER REBERIO
Department of Computer Science and Engineering
IIT Madras

INTENDED AUDIENCE : B.E./Msc (Computer Science)

PRE-REQUISITES : Good knowledge of C, Computer Organization and Architecture, x86 Assembly level programming.

COURSE OUTLINE :

Operating systems (OS) provide the crucial interface between a computer's hardware and the applications that run on it. It allows us to write programs without bothering much about the hardware. It also ensures that the computer's resources such as its CPU, hard disk, and memory, are appropriately utilized. In this course, we dwell into how the OS manages to do all this in an efficient manner. Th is is an introductory course, for students with prior knowledge of computer organization. The course is based on an OS called xv6, which in many ways is similar to the Linux operating systems.

ABOUT INSTRUCTOR :

Prof. Chester Rebeiro is an Assistant Professor at IIT Madras. He completed his PhD from IIT Kharagpur and a post-oc from Columbia University. His research interests are in cryptography, system security, especially hardware and operating system security.

COURSE PLAN :

Week 1: Introduction
Week 2: Memory Management
Week 3: Processes
Week 4: Interrupts and Context Switching
Week 5: Scheduling
Week 6: Synchronization
Week 7: Deadlocks
Week 8: Operating System Security

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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 PARTICIPATED

S.No	Roll No.	Name of the Student
1	15A31A1248	NalamAravinda Kumar
2	15A31A1245	MangalaVenkatesh
3	15A31A1253	P Siva Naga Sai

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A1248	NalamAravinda Kumar	Introduction to operating systems	Successfully completed
2	15A31A1245	MangalaVenkatesh	Introduction to operating systems	Successfully completed
3	15A31A1253	P Siva Naga Sai	Introduction to operating systems	Successfully completed

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Roll No:NPTEL17CS29S1760034

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

NALAM ARAVINDA KUMAR

for successfully completing the course

Introduction To Operating Systems

with a consolidated score of **52** %

Online Assignments	16.25/25	Proctored Exam	35.25/75

Total number of candidates certified in this course: **1095**

Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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NASSCOM

Roll No:NPTEL17CS29S1760051

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

MANGALA VENKATESH

for successfully completing the course

Introduction To Operating Systems

with a consolidated score of **50 %**

Online Assignments	16.25/25	Proctored Exam	33.75/75

Total number of candidates certified in this course: **1095**

Prof. A. Ramesh
Chairman
Centre for Continuing Education,IITM

Jul-Sep 2017
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

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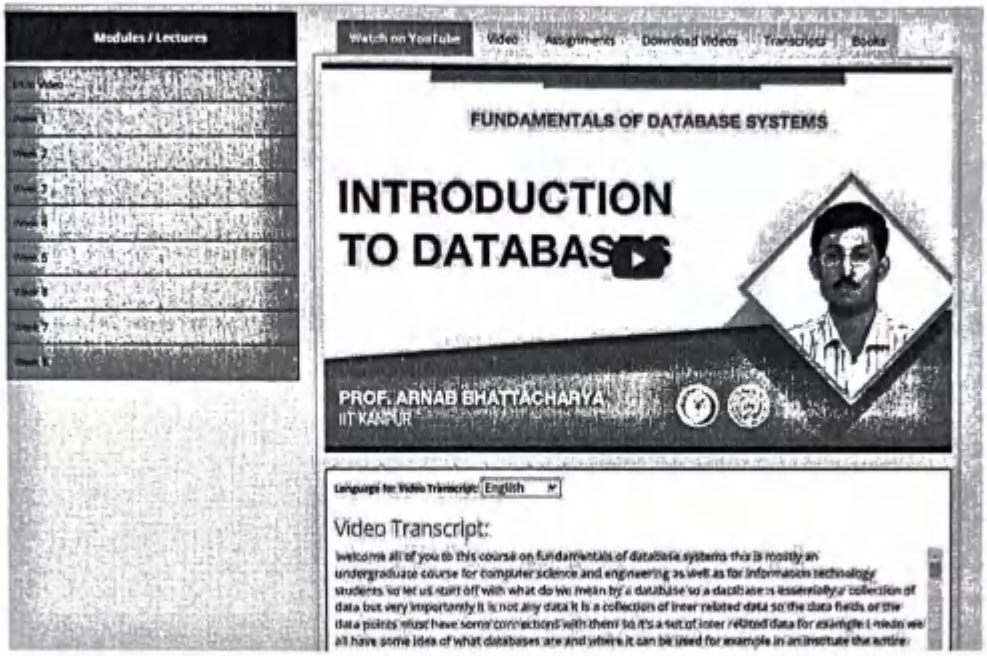
(AUTONOMOUS)

In partnership with
NASSCOM®



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

NOC:Fundamentals of Database Systems(Course sponsored by Aricent) - Video course

COURSE OUTLINE

Databases are at the core of all successful digital systems. The course will introduce the basics of database systems. In addition to the traditional relational database systems, it will also introduce briefly the new paradigm of NoSQL databases used in big data systems. The topics will cover all important aspects including normalization, query processing and transactions

COURSE DETAIL

Sl.No.	Topics
1.	Introduction to Databases
2.	Relational Data Model
3.	Relational Algebra: Basic Operators
4.	Relational Algebra: Additional Operators
5.	Relational Algebra: Updates
6.	Entity-Relationship Diagram
7.	SQL: Creation and Basic Query Structure
8.	SQL: Basic Operations
9.	SQL: Aggregate and Grouping
10.	SQL: Nested Subqueries and Sets
11.	SQL: Updates and Joins
12.	SQL: Views and Triggers
13.	Recap
14.	Database Normalization: Functional Dependencies
15.	Database Normalization: 1NF and 2NF
16.	Database Normalization: 3NF
17.	Database Normalization: BCNF
18.	Database Normalization: Multi-valued Dependencies
19.	Physical Design
20.	Indexing: Basics and Hashing
21.	Indexing: B-tree and B+-tree
22.	Recap
23.	Query Processing: Selection

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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 PARTICIPATED

S.No	Roll No.	Name of the Student
1	15A31A1204	B.Padmavathi
2	15A31A1209	DurgaSaiSushmaCh
3	15A31A1228	SeelaSreelekha
4	15A31A1230	SuravarapuAlekhya
5	15A31A1222	PadalaSripriya
6	15A31A1220	NalluriSwapna
7	15A31A1226	Risha Jain
8	15A31A1225	Rao Dharavi
9	15A31A1227	SathiSusmitha
10	15A31A1223	Parimala Aditya Arava
11	15A31A1216	Kodukula Shravika

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A1204	B.Padmavathi	Fundamentals of Database Systems	Successfully completed
2	15A31A1209	DurgaSaiSushmaCh	Fundamentals of Database Systems	Elite
3	15A31A1228	SeelaSreelekha	Fundamentals of Database Systems	Successfully completed
4	15A31A1230	SuravarapuAlekhya	Fundamentals of Database Systems	Successfully completed
5	15A31A1222	PadalaSripriya	Fundamentals of Database Systems	Elite
6	15A31A1220	NalluriSwapna	Fundamentals of Database Systems	Elite
7	15A31A1226	Risha Jain	Fundamentals of Database Systems	Successfully completed
8	15A31A1225	Rao Dharavi	Fundamentals of Database Systems	Successfully completed
9	15A31A1227	SathiSusmitha	Fundamentals of Database Systems	Elite
10	15A31A1223	Parimala Aditya Arava	Fundamentals of Database Systems	Elite + Topper of 5%
11	15A31A1216	Kodukula Shravika	Fundamentals of Database Systems	Successfully completed

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

Roll No:NPTEL17CS33S1760063

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

B.PADMAVATHI

for successfully completing the course

Fundamentals Of Database Systems

with a consolidated score of **50** %

Online Assignments	16/25	Proctored Exam	33.75/75

Total number of candidates certified in this course: **1353**

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education,IITK

Jul-Sep 2017
(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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PRAGATI ENGINEERING COLLEGE

In partnership with
NASSCOM

Roll No:NPTEL17CS33S1760048

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

DURGA SAI SUSHMA CH

for successfully completing the course

Fundamentals Of Database Systems

with a consolidated score of **60 %**

Online Assignments	20.5/25	Proctored Exam	39.75/75

Total number of candidates certified in this course: **1353**

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education,IITK

Jul-Sep 2017
(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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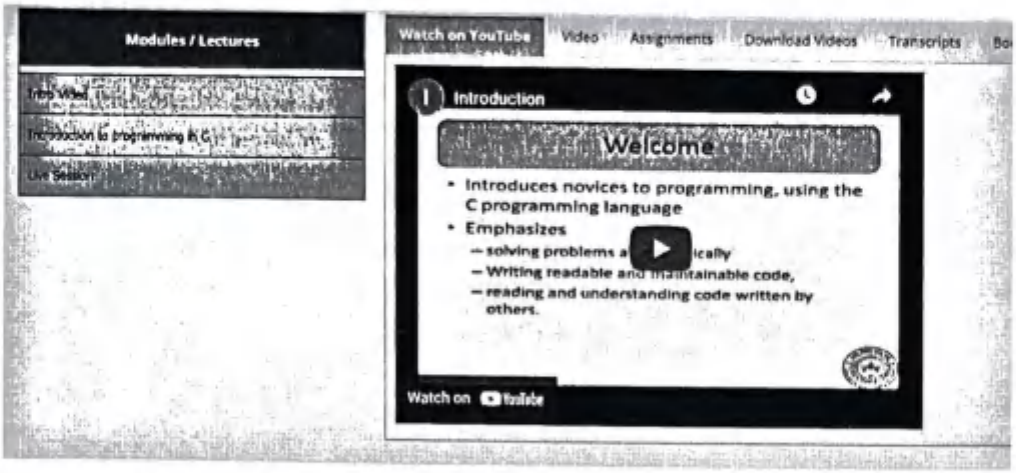
NASSCOM

Roll No: NPTEL17CS33S1760048

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



INTENDED AUDIENCE : Anyone can learn
PRE-REQUISITES : Prior programming not required; mathematical maturity of a second level UG student in science or engineering

COURSE OUTLINE :

This is a course in programming in C. No prior programming experience is assumed; however, mathematical maturity at the level of a second year science or engineering undergraduate is assumed. We emphasize solving problems using the language, and introduce standard programming techniques like alternation, iteration and recursion. We will briefly glimpse the basics of software engineering practices like modularization, commenting, and naming conventions which help in collaborating and programming in teams.

ABOUT INSTRUCTOR :

Prof. Satyadev Nandakumar is an Assistant Professor at the Department of Computer Science & Engineering, IIT Kanpur. He is specialized in Computable Analysis, Algorithmic Information Theory, Symbolic Dynamics. His research interests lies in the areas of:

* Algorithmic Information Theory, Kolmogorov complexity, and effective fractal dimension.
* Effective symbolic measure-theoretic and topological dynamical systems.
* Normal numbers, continued fractions, finite-state dimension.
* Computability and complexity in analysis.
* Computational complexity theory, pseudorandomness.

COURSE PLAN :

Week 01 : Introduction, Straight-Line Code, Variables, Operators, Expressions and Conditionals.
Week 02 : Loops.
Week 03 : Functions.
Week 04 : One-Dimensional Arrays and Pointers.
Week 05 : Recursion.
Week 06 : Multi-dimensional Arrays, Linked Lists.
Week 07 : Operating on Files.
Week 08 : Organizing C projects, working with multiple source directories, makefiles.

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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 PARTICIPATED

S.No	Roll No.	Name of the Student
1	15A31A1241	KatariVeeraVenkata Rao
2	15A31A1235	BondadaSatya Hanuman

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A1241	KatariVeeraVenkata Rao	Introduction to Programming in C	Successfully completed
2	15A31A1235	BondadaSatya Hanuman	Introduction to Programming in C	Elite

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

Roll No:NPTEL17CS43S1760046

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

KATARI VEERA VENKATA RAO

for successfully completing the course

Introduction To Programming In C

with a consolidated score of 58 %

Online Assignments	14.75/25	Proctored Exam	43/75

Total number of candidates certified in this course: 2992

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education,IITK

Jul-Sep 2017
(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

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Roll No:NPTEL17CS43S1760017

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

BONDADA SATYA HANUMAN

for successfully completing the course

Introduction To Programming In C

with a consolidated score of 62 %

Online Assignments	15/25	Proctored Exam	46.5/75

Total number of candidates certified in this course: 2992

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education,IITK

Jul-Sep 2017
(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

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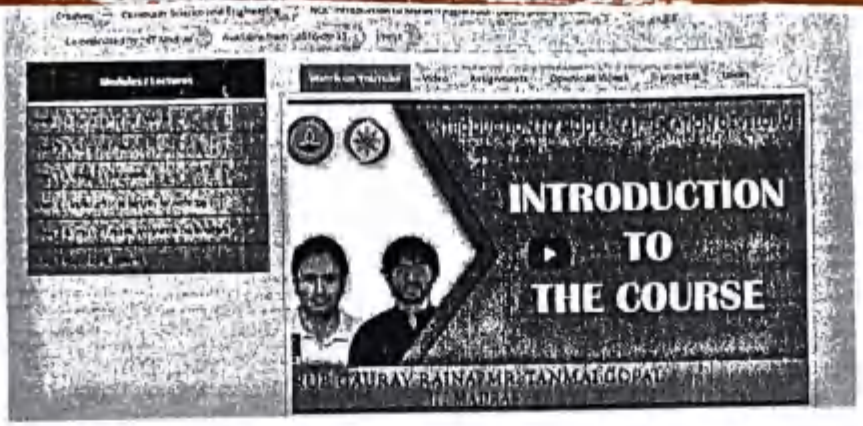
In partnership with
NASSCOM



NPTEL SYLLABUS
NATIONAL PROGRAMME ON TECHNOLOGY ENCHANCED LEARNING

Introduction to Modern Application Development

ABOUT THE COURSE:

IMAD, India's largest MOOC, is back and it's bigger and better than before. This course will cover the basics of the internet, building a web application, databases, performance and security, and building a mobile application. In addition, the course will have an extensive set of Practical Tutorials which will help students get a feel for real-world development. IMAD offers opportunities for internships at Hasura for the course toppers, thus helping the best students hone their application development skills in the real world.

COURSE LAYOUT:

The course content will be covered in 8 weeks. Each week of theoretical lectures will be followed by a practical, hands-on tutorial covering the concepts discussed in the previous week. These lectures will consist of programming experiments and assignments which will help the student gain a practical understanding of the ideas discussed before. The topics covered over the 8 weeks will be:

Introduction to the Internet
Building a web application
Databases
Performance and security
Building a mobile application

For additional information, see www.imad.tech

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	15A31A1202	Anusuri Bala Priyanka

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A1202	Anusuri Bala Priyanka	Introduction to Modern Application Development	Successful completion

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

Roll No:NPTEL18CS03S3850015

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

12/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

ANUSURI BALA PRIYANKA

for successfully completing the course

Introduction to Modern Application Development

with a consolidated score of **50** %

Online Assignments	14.25/25	Proctored Exam	36/75

Total number of candidates certified in this course: **1725**

Prof. A. Ramesh
Chairman
Center for Continuing Education, IITM

Feb-Mar 2018
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

PRINCIPAL
PRAGATI ENGINEERING COLLEGE

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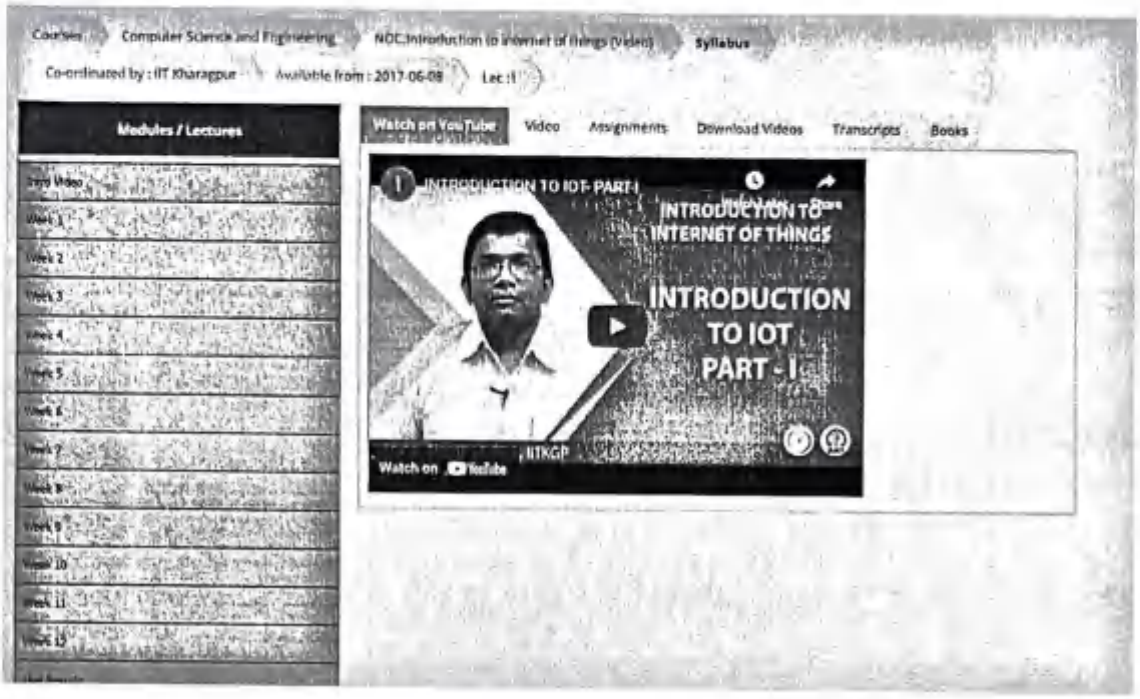

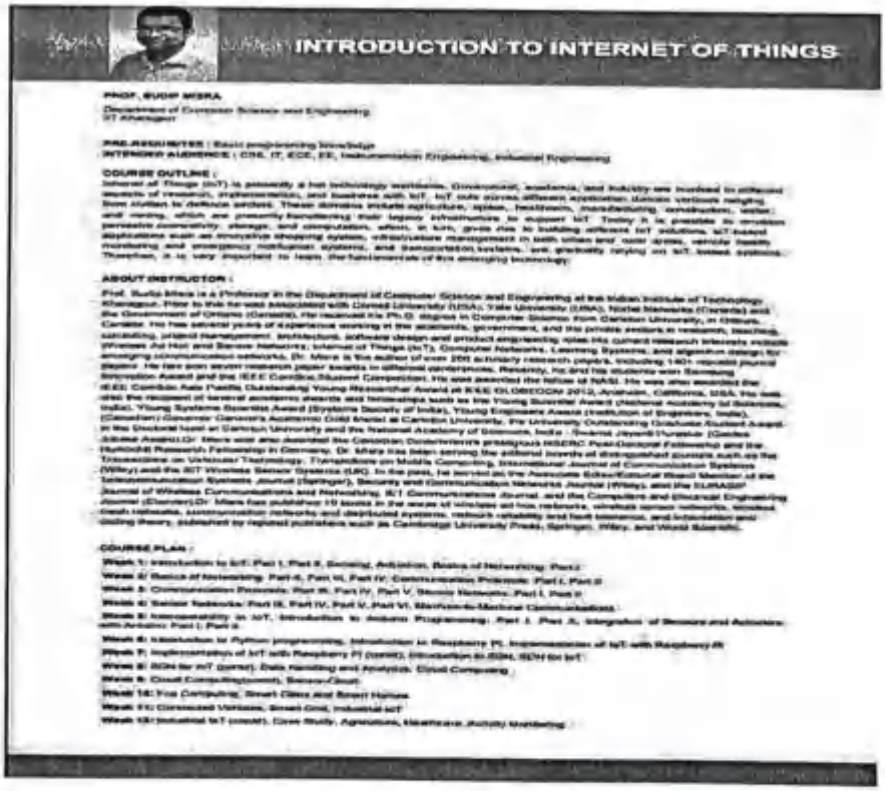

INTRODUCTION TO INTERNET OF THINGS

PROF. SUDIP MISRA

Department of Computer Science and Engineering
IIT Kharagpur

PRE-REQUISITES : Basic programming knowledge
INTENDED AUDIENCE : CSE, IT, ECE, EE, Instrumentation Engineering, Industrial Engineering

COURSE OUTLINE :

ABOUT INSTRUCTOR :

COURSE PLAN :

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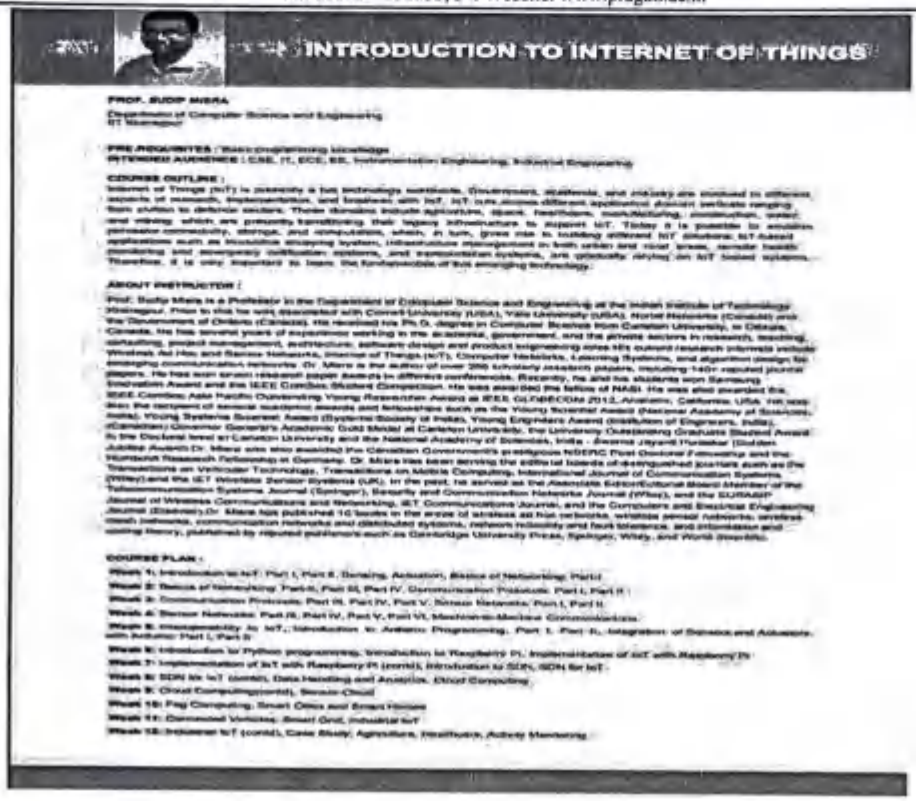
(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

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



LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	15A31A1215	KilambiVaishnavi Krishna

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	15A31A1215	KilambiVaishnavi Krishna	Introduction to Internet of Things	Successful completion

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

Roll No:NPTEL18CS08S3850160

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

56/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

NPTEL Online Certification

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

This certificate is awarded to

KILAMBI VAISHNAVI KRISHNA

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **48 %**

Online Assignments	16.5/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: **3776**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jan-Apr 2018
(12 week course)

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

Indian Institute of Technology Kharagpur

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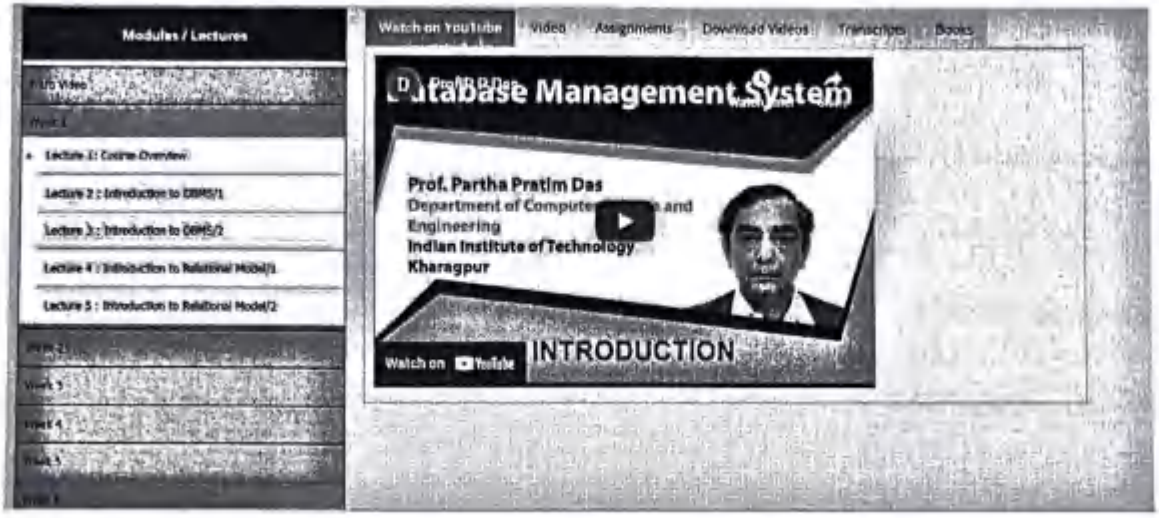
1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533 437

FREE ONLINE EDUCATION swayam

Roll No: NPTEL18CS08S3850160

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



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 an 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 architecture 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 1990 respectively from IIT Kharagpur. He served as a faculty in Department of Computer Science and Engineering, IIT Kharagpur from 1989 to 1998. In 1998, he joined Akamrus Software Ltd as a Business Development Manager. From 2001 to 2011, he worked for Sigma 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-In-Charge 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 3 others, he has also offered a course on Introduction to Design of Algorithms under the T-NIKT program of NME-ICT, MHRD (https://www.facebook.com/IISHJalgorithms/) 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.

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

PRAGATI ENGINEERING COLLEGE

(Autonomous)

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

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

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

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

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

LIST OF STUDENTS PARTICIPATED

S.No	Roll No.	Name of the Student
1	16A31A1221	MootinaBhargaviAmulya
2	16A31A1260	Vanga Kumara VeeravenktaSatyaKanth
3	16A31A1246	Grandhi Rama Krishna Ajay
4	16A31A1232	SiriginaMounika

LIST OF STUDENTS CLEARED

S.No.	Roll No.	Name	Course Title	Result
1	16A31A1221	MootinaBhargaviAmulya	Database Management System	Elite
2	16A31A1260	Vanga Kumara VeeravenktaSatyaKanth	Database Management System	Successful completion
3	16A31A1246	Grandhi Rama Krishna Ajay	Database Management System	Successful completion
4	16A31A1232	SiriginaMounika	Database Management System	Successful completion

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

Roll No:NPTEL18CS15S3850085

To
PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

1/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification

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

This certificate is awarded to

MOOTINA BHARGAVI AMULYA

for successfully completing the course

Database Management System

with a consolidated score of 68 %

Online Assignments	16.5/25	Proctored Exam	51.62/75

Total number of candidates certified in this course: 2419

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Feb-Mar 2018
(8 week course)

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

Indian Institute of Technology Kharagpur

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

swayam

Roll No:NPTEL18CS15S3850170

To

PRAGATI ENGINEERING COLLEGE
EAST GODAVARI

2/389

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification

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

This certificate is awarded to

VANGA KUMARA VEERAVENKTA SATYA KANTH

for successfully completing the course

Database Management System

with a consolidated score of **52** %

Online Assignments	16.5/25	Proctored Exam	35.48/75

Total number of candidates certified in this course: **2419**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Feb-Mar 2018
(8 week course)

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

Indian Institute of Technology Kharagpur

PRINCIPAL
PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)

swayam

Roll No: NPTEL18CS15S3850170

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

Near Pedda