

NEWS LETTER

ELECTRA

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Jan to June 2018
Volume - 2, Issue - 1

Department of EEE ELECTRA

DO RIGHT, SAVE LIGHT
JANUARY-2018 TO JUNE-2018

VOLUME-2, ISSUE-1

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Vision

- ❖ To produce comprehensively trained socially responsible, innovative electrical engineers and researchers of highest quality to contribute to the nation's imprint on the world stage.

Mission

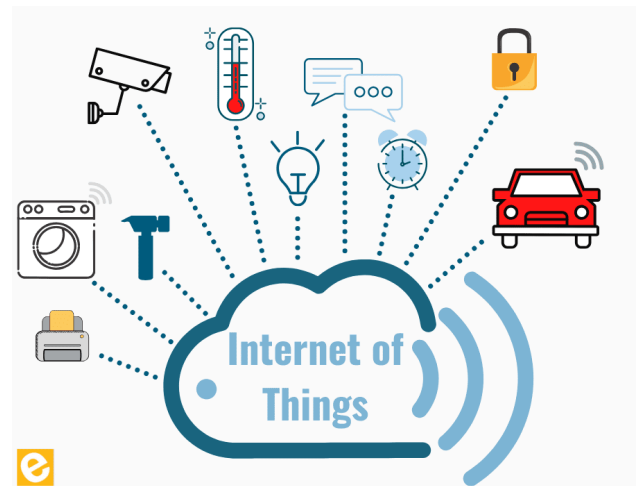
- ❖ To provide knowledge based technology and Service to meet the needs of society globally.
- ❖ To help in building national capabilities for excellent energy management and to explore non-conventional energy sources.
- ❖ To create research oriented culture and to provide competent consultancy.
- ❖ To create and sustain environment of learning in which students acquire knowledge and learn to apply it professionally with due consideration of ethical and economic issues.
- ❖ To be accountable through self-evaluation and continuous improvement.

New Trend

Internet of Things

What is the Internet of Things? In a simple sense, it is the collection of smart devices or objects that connect

to the internet. These objects link to a network and collect and exchange data. Objects include smartphones, wearable technology, simple sensors, and any other technology that has internet capability. The more these devices "talk" to each other, the more data can be collected. Electrical contractors will be seeing an increase in IoT devices being used in the construction industry and will have the ability to collect data from these sources.



In the future, electrical contractors will see a higher demand for installing these systems into buildings and making sure they are functional. This service goes beyond just installing sensors and includes an ongoing performance of monitoring and maintaining the system. Learning how to work with IoT and being comfortable with these devices will be very beneficial for electrical contractors and open new job opportunities. Electrical engineers can also begin to utilize these internet-connected tools themselves during construction projects.

KNOW WHAT SPARKS THE LIGHT IN YOU. THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

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Faculty Focus

International Journals

- ❖ **Dr.P.Lakshmanan** has presented a paper on “**PV based DC-DC Converter for Induction Motor Drive Application**” by the merging technology and Advanced research in computing,IJMTARC-Volume-V-Issue-21 **Jan-March,2018.**
- ❖ **Mr.Sk.MD.Shareef** has presented a paper on “**Minimized-Equipped Capacitor and Power Factor Improvement and its Application to Static VAR Compensator with Full-Bridge Reactive Power Compensator**” by IJRECE Vol-6, Issue-1. **Jan - Feb, 2018.**
- ❖ **Mr.Sk. Md. Shareef** has presented a paper on. “**A Novel Method of Controller Area Network Assisted Grid Synchronization Scheme For Integration Of Res And Energy Storage Using Fuzzy Controller**” International journal of innovative engineering & management research, ISSN 2456 – 5083, Volume 07, Issue 02, **February 2018.**
- ❖ **Mr.Sk. Md. Shareef** has presented a paper on “**An Advanced Control Strategy For An IPM Synchronous Generator Based Variable Speed Wind Turbine**” International Journal of Research in computer and communication Technology , ISSN (Online) 2278- 5841 ISSN (Print) 2320- 5156, Vol 7, Issue- 5, **May – 2018.**
- ❖ **Mr.Ravi Kumar.P.** has presented a paper on, “**Energy Loss Minimization and Reliability Improvement in Distribution System Using Distribution Switches Upgrade for Various Load Applications**” International Journal of Research (IJR), p-ISSN: 2348-6848 e-ISSN: 2348-795X Volume 05 Issue-1, **January- 2018.**
- ❖ **Mr.G.Nagaraju** has presented a paper on “**MLI based PhotoVoltaic systems for single phase Grid connected system**” International Journal for Innovative Engineering and Management research Volume 07, Issue 01, **January 2018**, ISSN 2456 – 5083 pages Issue 01, Page No: 219 – 229.

- ❖ **Mr.P.D.V.S.K.Kishore** has presented a paper on “**Control and operational analysis of PV Integrated with Unified Power Quality Conditioner (UPQC)**”International journal of Electrical and computer communication engineering, Volume-4, Issue-3, **June-2018.**
- ❖ **Mr.G.Naveen** has presented a paper on “**Design and implementation of Power Factor Correction bridge less single ended primary inductance converter fed BLDC motor drive**” by International journal for innovative engineering & management research, Volume 07, Issue 07, **June 2018** , ISSN 2456 – 5083, Page 286.

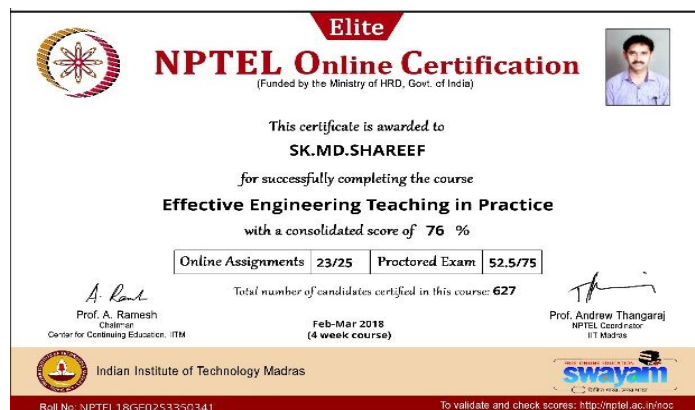
FDPs Attended:-

- ❖ **Mr.SK.Karimulla** attended FDP on “Industrial Automation” during 23-04-18 to 27-04-18, organized by V.R Siddhartha Engg. college (APSSDC).

MOOCs:-

- ❖ The following faculty has got NPTEL CERTIFICATION for POWER SYSTEM ENGINEERING course during JAN-APRIL 2018.

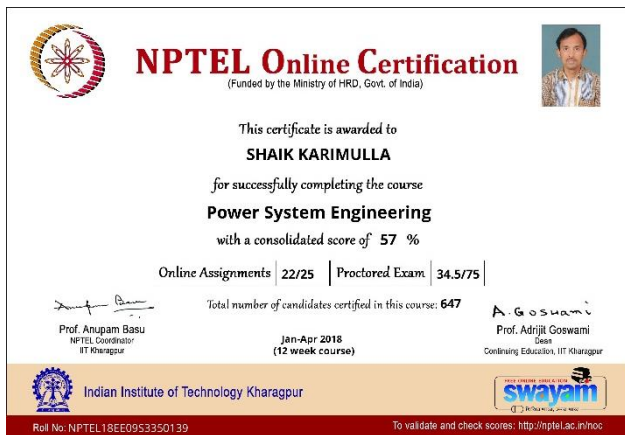
1. SK.MD.Shareef
2. SK.Karimulla
3. G.Nagaraju
4. B.Praveen kumar
5. G.Naveen



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

This certificate is awarded to
SHAIK KARIMULLA
for successfully completing the course
Power System Engineering
with a consolidated score of **57 %**

Online Assignments | 22/25 | Proctored Exam | 34.5/75 |

Total number of candidates certified in this course: **647**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

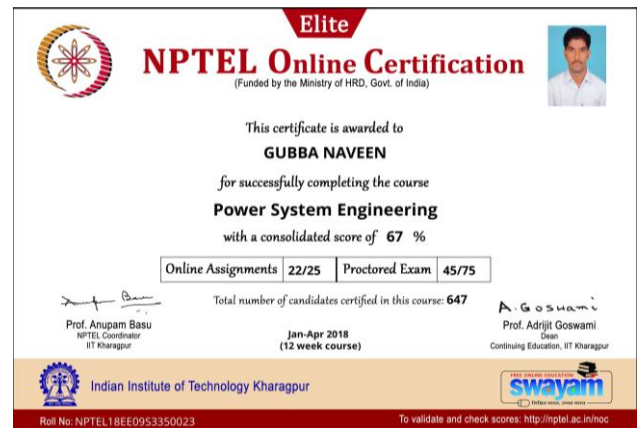
Jan-Apr 2018
(12 week course)

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

Indian Institute of Technology Kharagpur

Roll No: NPTEL18EE0953350139

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



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

This certificate is awarded to
GUBBA NAVEEN
for successfully completing the course
Power System Engineering
with a consolidated score of **67 %**

Online Assignments | 22/25 | Proctored Exam | 45/75 |

Total number of candidates certified in this course: **647**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jan-Apr 2018
(12 week course)

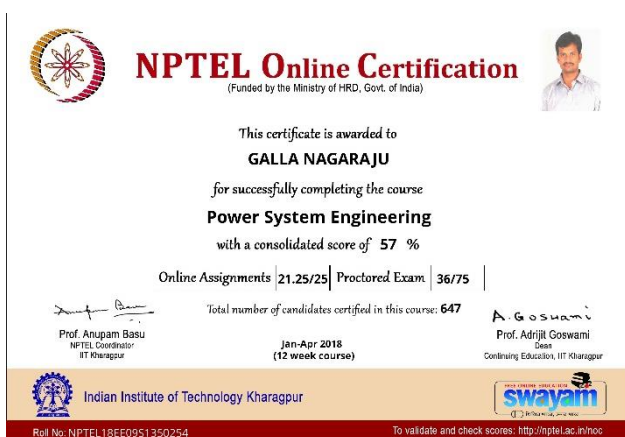
A. Goswami
Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL18EE0953350023

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

- ❖ **Mr.M.Chandra Sekhar** has got NPTEL CERTIFICATION for EFFECTIVE ENGINEERING TEACHING IN PRACTICE course during FEB-MARCH 2018.



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

This certificate is awarded to
GALLA NAGARAJU
for successfully completing the course
Power System Engineering
with a consolidated score of **57 %**

Online Assignments | 21.25/25 | Proctored Exam | 36/75 |

Total number of candidates certified in this course: **647**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

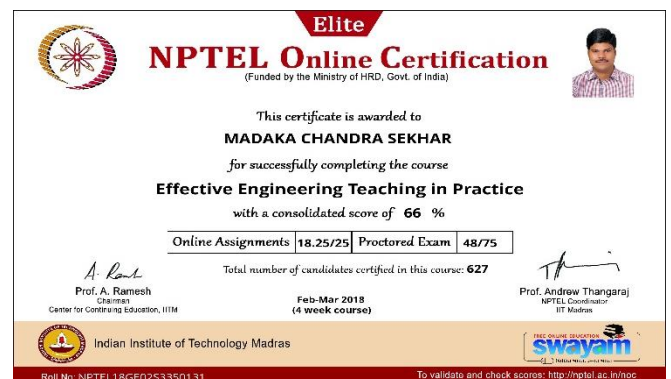
Jan-Apr 2018
(12 week course)

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

Indian Institute of Technology Kharagpur

Roll No: NPTEL18EE0951350254

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



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

This certificate is awarded to
MADAKA CHANDRA SEKHAR
for successfully completing the course
Effective Engineering Teaching in Practice
with a consolidated score of **66 %**

Online Assignments | 18.25/25 | Proctored Exam | 48/75 |

Total number of candidates certified in this course: **627**

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

Feb-Mar 2018
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL18GE0253350131

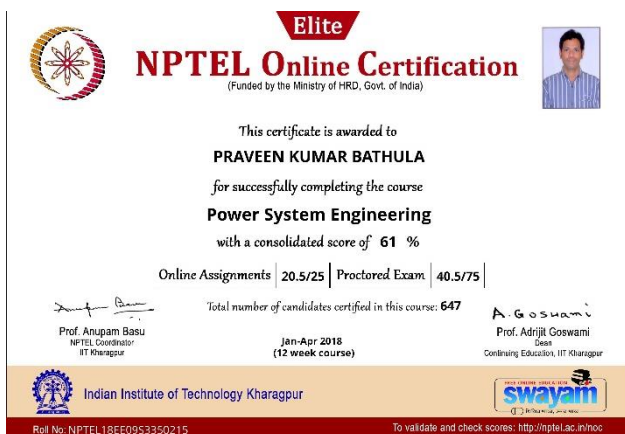
To validate and check scores: <http://nptel.ac.in/noc>

Workshops:-

- ❖ **Mr.M.Chandra Sekhar** has attended workshop on “Artificial Intelligence Techniques for Smart Grid” was organized by NIT Warangal held on 03-04-18 to 07-04-18.

Organized Programs:-

- ❖ A one day seminar on “Artificial Intelligent Techniques” was organized by department of EEE with the Resource Person Dr.M.Srinivasa



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

This certificate is awarded to
PRAVEEN KUMAR BATHULA
for successfully completing the course
Power System Engineering
with a consolidated score of **61 %**

Online Assignments | 20.5/25 | Proctored Exam | 40.5/75 |

Total number of candidates certified in this course: **647**

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

Roll No: NPTEL18EE0953350215

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

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Rao, Professor & HOD, Pullaiah College of Engineering & Technology, Kurnool, held on 22-02-2018.

- ❖ The department of EEE organized JUBILATION-2K18 held on 16-02-2018 & 17-02-2018 by the Chief Guest Dr.M.Venugopal Rao, Professor & HOD, PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY.



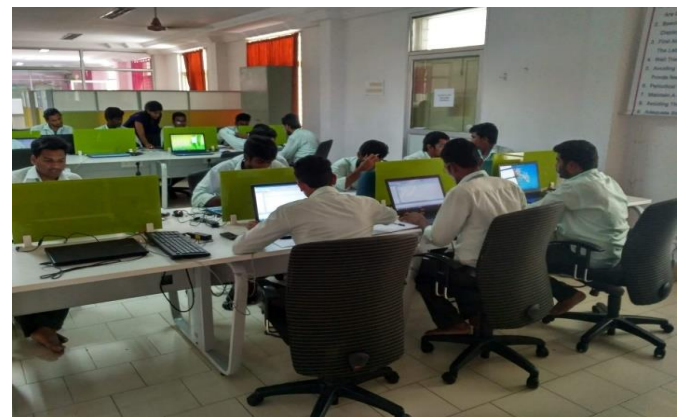
- ❖ The department of EEE organized A Five day Workshop on “Programming for Controllers through MATLAB” by the Resource Person Rohan Doshi IT Analyst (Developer), TCS, Hyderabad. held On 01-05-2018 to 05-05-2018.



- ❖ A Three day workshop on PLC was organized by department of EEE with Co-ordination by APSSDC during 12-03-2018 to 14-03-2018.



- ❖ The Practical session for the PLC workshop done by the students.



Student Focus

MOOCS

- ❖ ONE student got NPTEL certification for Enhancing Soft Skills & Personality Course during Feb-March 2018.

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Students Achievements:-

- ❖ **M.SIVA RAMA KRISHNA** won first Prize in Technical Event on 24-02-2018 organized by NIPUNA 2K18, Nalanda Engineering college, Sattenapalli.
- ❖ **K.PAVAN KUMAR** won first Prize in Technical Event on 24-02-2018 organized by NIPUNA 2K18, Nalanda Engineering college, Sattenapalli.
- ❖ **K.SRAVANI** Participated in PCB design & Fabrication on 02-02-2018 & 03-02-2018 organized by VIGNAN MAHOTSAV-2K18, Vignan University, Vadlamudi.
- ❖ **B.ANAND & M.SHIVARAMA KRISHNA** Participated in Technical Quiz on 02-02-2018 & 03-02-2018 organized by SRUJANANKURA, Vignan college, Guntur.
- ❖ **K.SRIKANTH, M.SIVARAMAKRISHNA, B.ANAND & P.N.V.DURGA PAVAN** Participated in Smart India Hackathon-2018 Software Edition held on 30-03-2018 & 31-03-2018 organized by Nrasaraopet Engineering College, Narasaraopet.

Academic Toppers:-

- ❖ The following students are secured with highest marks in their respective semester results.



I B.TECH I-SEM



II B.TECH I-SEM



III B.TECH I-SEM

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IV B.TECH I-SEM

Placements:-

- ❖ NINE students got selected in Silver Peak Global Pvt.Ltd (Japan)
- ❖ TWO students got selected in Kadimi Special Steel Pvt.Ltd.
- ❖ ONE student got selected in RRRK Associates.
- ❖ TWO students got selected in LEAP International Pvt.Ltd.
- ❖ ONE student got selected in HCL (OFF CAMPUS).

Alumni Voice:-

It is an immense pleasure to say that I was a part of NEC. The facilities are really very kind & approachable when any need arises. Today, I am in good position it's because of what I have learnt from NEC. The Professors are dedicated experts & helpful in their respective subjects.

Their experience may help you to learn more about industrial relevance of the subjects. There are many co-curricular & extra-curricular activities conducted by the NEC. Finally I would like to thank the entire NEC

family for providing such a wonderful educational platform for students from different corners of India.



M.TEJESWINI

Software Engineer

Accenture.

Student's Voice:-

I am proud to be part of NEC, the college not only imparts knowledge but also instills life skills in us to make us responsible person. In this competitive and expensive era the objective of NEC imparting quality education of affordable cost is really praise worthy. Thanks to all my staff and NEC group.



D.SAI KUMAR

16471A0203

III EEE