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PROCEEDINGS OF THE PRINCIPAL, JNTUA COLLEGE OF ENGINEERING,  
ANANTHAPURAMU (AUTONOMOUS):: JNTUACEA ANANTHAPURAMU  
PRESENT: Prof. K. RAMANAIDU: PRINCIPAL.

TEQIP-III

30 participants

Proc. No. TEQIP-III/NPIU/Academics/132(iv)/8/2018-19

Date: 06/09/2018

Sub: JNTUA College of Engineering Ananthapuramu (JNTUACEA) - TEQIP-III - Academics - Permission to conduct Two day Faculty Development Programme on "Big Data Applications in Power Systems" on 14<sup>th</sup> & 15<sup>th</sup> September 2018. Order: Issued.

Ref: Lt. Dt. 06/09/2018 of Dr. V. Sankar (Prof. of EEE) and Dr. K. Jithendra Gowd (Asst. Professor of EEE)

Dr. V. Sankar (Prof. of EEE) and Dr. K. Jithendra Gowd (Asst. Professor of EEE), JNTUACEA have submitted a letter requesting the Principal to permit to conduct Two day Faculty Development Programme on "Big Data Applications in Power Systems" on 14<sup>th</sup> & 15<sup>th</sup> September 2018. The estimated expenditure for the same will be about Rs. 1,25,000 and requested to permit to meet the expenditure from TEQIP-III funds.

<b>Title of the Program</b>	:	<b>Two day Faculty Development Programme on "Big Data Applications in Power Systems"</b>
<b>Conducted by</b>	:	<b>Department of Electrical &amp; Electronics Engineering, JNTUACEA</b>
<b>Duration of FDP</b>	:	<b>09-09-2018 to 10-09-2018</b>
<b>Resource Persons</b>	:	<b>Experts from Industry and reputed Institutions</b>
<b>Convener</b>	:	<b>Prof. V. Sankar</b>
<b>Coordinator</b>	:	<b>Dr. K. Jithendra Gowd</b>

The requisition submitted is approved and the Principal is pleased to accord permission to Dr. V. Sankar (Prof. of EEE) and Dr. K. Jithendra Gowd (Asst. Professor of EEE), JNTUACEA to conduct the above said programme on the dates noted. The expenditure will be met from TEQIP-III funds under Academics SC 132 (iv) head of account. The approximate expenditure for conduction of programme is Rs. 1,25,000.

It is requested to follow the rules and regulations in incurring the expenditure and requested to submit the vouchers in original as per the guidelines provided by NPIU. And also requested to submit Photographs, list of participants, feedback reports etc., as per TEQIP-III norms in proforma provided.

Encl: a) Proforma  
b) Guidelines

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**REGISTRAR**  
**J.N.T.U. Anantapur**  
**ANANTAPURAMU-515002**

PRINCIPAL

To:  
(1) Dr. V. Sankar, Professor of Electrical & Electronics Engineering, JNTUACEA  
(2) Dr. K. Jithendra Gowd, Asst. Professor of EEE, JNTUACEA  
Copy to Head, Electrical & Electronics Engineering, JNTUACEA  
Copy to Prof. M. S. Deva Kumar, Nodal Officer (A) (TEQIP-III)  
Copy to Dr. D. Vishnuvardhan, Coordinator (TEQIP-III)  
Copy to Dr. A. P. Siva Kumar, Nodal Officer (P) (TEQIP-III)  
Copy to Bills.  
Spare

**REGISTRAR**  
**J.N.T.U. Anantapur**  
**ANANTAPURAMU-515002**

### About the Host Institution and Department:

JNTUA College Of Engineering is a prestigious Engineering college in AP, established in 1946 and has been growing from time to time with respect to intake, Faculty strength, number of Academic programs offered and Infrastructure. The college functioned from College of Engineering, Guindy, Madras during 1946-48. It was shifted to Anantapur in the year 1948. With the formation of first technological university in our country in 1972 with head quarters in Hyderabad, this college has become one of the constituent colleges of JNTU. Further, from August, 2008, it is the constituent college of Jawaharlal Nehru Technological University, Anantapur by Act. No. 30 of Govt. of A.P. dt. 24.09.2008. Over the years, the college has started UG and PG Courses in Civil, Electrical, Mechanical, Electronics and Communication, Computer Science and Chemical Engineering branches. All the laboratories have been modernized with the financial assistance received from various agencies. This institution is selected as a Network Institution by NPIU for the World Bank aided TEQIP- III from 2017-20. The Department of Electrical Engineering has been functioning since the inception of the college. The department is offering UG and four PG courses and is having well equipped Laboratories and highly qualified faculty.

### Objective of the Workshop:

The prime objective of this workshop is to educate and acquaint the participants with recent developments in monitoring systems and sensor networks dramatically increase the variety, volume and velocity of measurement data in electricity transmission and distribution level. The programme focuses on rapidly modernizing monitoring systems, measurement data availability, big data handling and machine learning approaches to process high dimensional, heterogeneous and spatiotemporal data.

#### Sub Topics:

- Power Systems Challenges & Big Data Overview
- Improving efficiency and meeting the scale
- Forecast (Demand Supply) Topology Analysis
- Power Reliability Engineering
- Fraud Detection utilities & Loss Prevention

### Venue:

Prof. Tiruvengalam Memorial Seminar Hall

Department of Electrical Engineering  
JNTUA College of Engineering  
(Autonomous) Ananthapuramu, **REGISTRAR**  
A.P. - 515 002

**J.N.T.U. Anantapur**  
**ANANTAPURAMU-515002**

TEQIP-III Sponsored  
Two day FDP on

## “BIG DATA APPLICATIONS IN POWER SYSTEMS”

(September 28-29, 2018)



### Convener

**Dr. V. Sankar**

Professor, Dept. of EEE

### Coordinator

**Dr. K. Jithendra Gowd**

Asst. Professor, Dept. of EEE

### Organized by

Dept. of Electrical Engineering  
JNTUA College of Engineering  
(Autonomous)

Ananthapuramu-515002 (A.P), INDIA

[www.intuacee.ac.in](http://www.intuacee.ac.in)

#### Resource Persons:

Distinguished and Learned persons from reputed institutes of repute and experts from related industries will be the resource persons for the course

#### Target Participants:

The proposed course is designed and intended for engineers, faculty members of engineering colleges, and research scholars working in the electrical Engineering domain.

#### General Information:

No Registration Fees for the programme. Participants will not be paid any TA/DA. Accommodation and travelling expenses are to be borne by participants or their respective institutes. However, accommodation can be arranged in hostel/guest house on nominal payment basis subject to the availability. The organizers will provide the meals and refreshment during the course; The registration form complete in all respects should reach on or before September 3, 2018.

#### Important Dates

Last date of registration: September 20, 2018  
Intimation of acceptance: September 22, 2018

#### Contact Details

Dr. K. Jithendra Gowd  
Asst. Professor, Dept. of EEE  
Dept. of EEE, JNTUACEA  
Mobile: 098496 03672  
E-mail : [indra.iithu@gmail.com](mailto:indra.iithu@gmail.com)

#### Chief Patron

**Prof. S. Srinivas Kumar**  
Vice-Chancellor  
JNTUA College of Engineering  
Ananthapuramu

#### Patron

**Prof. K. Rama Naidu**  
Principal,  
JNTUA College of Engineering  
Ananthapuramu  
Co-Patron

**Dr. M.L.S.Deva Kumar**  
Professor & Vice Principal  
Chairman

**Dr. R. Kiranmayi**  
Professor & Head, Dept. of EEE  
Convener

**Dr. V. Sankar**  
Professor, Dept. of EEE  
Coordinator

**Dr. K. Jithendra Gowd**  
Asst. Professor, Dept. of EEE  
Advisory Committee

Prof. K. Prahlada Rao, Rector, JNTUA.  
Prof. S. Krishnaiah, Registrar, JNTUA.  
Prof. M. Vijaya Kumar, Prof. in EEE & DAP,  
JNTUA

Prof. P. Sujatha, Professor, Dept of EEE,  
JNTUA

Dr. D. Vishnuvardhan , TEQIP- III Coordinator  
Dr. A. P. Siva Kumar, Nodal Officer,

Procurement, TEQIP-III  
Organizing Committee

Sri. M. Ramasekhara Reddy, Asst. Professor  
Sri. J. Sreenivasulu, Asst. Professor  
Sri. S. Sridhar, Asst. Professor  
Sri. M. Anka Rao, Asst. Professor

**TEQIP-III Sponsored  
Two day FDP on**

## **“ BIG DATA APPLICATIONS IN POWER SYSTEMS ”**

(September 28-29, 2018)



### REGISTRATION FORM

Name:

Designation:

Official Address:

Phone:

Mobile:

E-mail:

Experience:

Industry:

Teaching:

Date:

Signature of Applicant

SPONSOR CERTIFICATE

This is to certify that Mr./ Mrs./ Dr./..... is



working in our organization from .....  
He/She is sponsored for the above workshop.

**REGISTRAR**

**J.N.T.U. Anantapur  
ANANTAPUR-515 007**

**REPORT ON 2-DAY WORKSHOP ON  
"BIG DATA APPLICATIONS IN POWER SYSTEMS",  
JOINTLY ORGANISED BY  
IEEE-HYDERABAD-SUB-SECTION AT ANANTHAPURAMU & PES/IAS/PELS  
JT.CHAPTER-HYDERABAD SECTION,  
IN ASSOCIATION WITH  
EEE DEPT., JNTUA OF COLLEGE OF ENGINEERING, ANANTHAPURAMU.**

This is a Professional Development Program (PDP)-Workshop with the objectives of Knowledge Transfer from Engineering Professional like Practicing Engineers from Industry and Researchers/ Faculty from Academia. The main objectives of this workshop is to educate and acquaint the participants about the state-of-the art in Industry and also to Update them on the Recent Developments & Future Trends in Technology.

Today, in the Power & Energy Sector large amount of Data is generated by various sources like C&I in Power Plants/ Transmission & Distribution Networks/ Smart Meters/ Energy Markets/ Govt. Agencies and many more sources. As awareness of the availability of big data has increased, many industries/ organizations have started to use modern IT based Analytical Techniques to exploit the value from all these data collected. Engineers can apply advanced techniques like Big Data Analytics (BDA) to generate Actionable insights for Planning/ Operation/ Maintenance/ Reliability/ Economic Analysis of various Power Plants/ Equipment/ Networks/ Energy Management. A new group of Professionals are emerging called "Energy Data Scientists".

Engineers working in Power & Energy Sector benefit considerably by predicting the future trends based on Big Data Analytics (BDA) using the large data collected on various parameters of Power Plants/ RES based Power Plants/ Power Systems. This BDA enables to take effective decisions by analysing the performance in the areas of Power Generation/ Transmission/ Distribution/ Load Management/ Asset Management ... and many more areas.

Hence, the Big Data based Solutions have found many applications in the Performance Prediction of various equipment/ networks in Power & Energy Sector and Power Systems in India and abroad.

This PDP focuses on some of the above aspects/ topics and enables the participants to keep in touch with the latest trends in Power & Energy Sector.

  
**REGISTRAR**  
**J.N.T.U. Anantapur**  
**ANANTAPURAMU-515002**

IEEE

Institute of Electrical and Electronics Engineers Inc.,  
Hyderabad

CONFERENCE

ANA

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ANANTAPURAMU-515002

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## *Certificate of Participation*

This is to certify that

***Mr. K. Nagabhushanam***

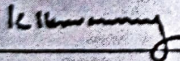
of

***JNTUA College of Engineering, Anantapuramu, Andhra Pradesh***

has participated in the Faculty Development Programme on

***BIG DATA ANALYTICS***


held from 20-Feb-2017 to 22 Feb-2017 at JNTUA College of Engineering, Anantapuramu, Andhra Pradesh




**Dr. K Kesavasamy**  
Global Head  
Academic Interface Programme



**SANGAM**  
MEETING OF MINDS



REGISTRAR  
J.N.T.U. Anantapur  
ANANTAPURAMU-515002



**V Rajanna**  
Vice President & Regional Head  
Global Head - Technology Business Unit



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