



An ISO 9001:2015 Certified Institution

# ANUBOSE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to JNTUH Hyderabad)

KSP Road, New Palvancha – 507115, Bhadradri-Kothagudem, Dist., Telangana State.

Website: [www.abit.ac.in](http://www.abit.ac.in)Email Id: [abitintu@gmail.com](mailto:abitintu@gmail.com)

Cell: +91-9246907407

Date: 01-11-2019

## CIRCULAR

This is to inform all the III B. tech EEE students that the “Program on Electric Vehicle and Renewable Energy” program is commencing from 04-11-2019 to 09-11-2019 (6 days). All the interested students are instructed to register without fail.

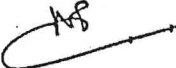
Timings: 09:00 AM TO 06:00 PM


Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

Principal

| EEE | ECE | CSE | MECH | MINING | CIVIL | MBA |
|-----|-----|-----|------|--------|-------|-----|
|     |     |     |      |        |       |     |

  
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 ANUBOSE INSTITUTE OF TECHNOLOGY  
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 Bhadradri Kothagudem Dt

  
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Counselling Code: BOSE

Estd: 2008

JNTUH College Code: PP

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| <p>ELECTRIC VEHICLES AND<br/>RENEWABLE ENERGY</p> <p>(04-11-2019 to 09-11-2019)</p> <p>ANUBOSE INSTITUTE OF<br/>TECHNOLOGY</p> <p><u>Name:</u><br/><u>Designation:</u><br/><u>Department:</u><br/><u>Affiliation /Organization:</u><br/><u>Educational Qualification:</u><br/><u>Postal Address:</u><br/><u>Mobile Number</u><br/><u>E-mail:</u><br/><u>DD No &amp; Date</u><br/><u>Name of the Bank:</u><br/><u>Place:</u><br/><u>Date:</u></p> <p>Signature of the applicant</p> <p>(Signature of the organization head with seal)<br/>[Photocopy of the Registration form may also be used for<br/>additional Registration]</p> | <p>ORGANIZING COMMITTEE</p> <p><u>Chief Patron</u><br/>Mr. T. Bharat Krishna</p> <p><u>Patrons</u><br/>Dr. N. V. Subbarao<br/>Principal, ANUBOSE INSTITUTE OF<br/>TECHNOLOGY</p> <p><u>Convener</u><br/>Mr. V. Ashok<br/>Head of the Department EEE.</p> <p><u>Coordinator</u><br/>Miss. Muthyala Srujana,<br/>Assistant Professor, EEE</p> <p>For any enquiry contact:<br/>Mobile No: 8309814108</p> <p>HOD<br/>ANUBOSE INSTITUTE OF TECHNOLOGY<br/>Approved by AICTE   Affiliated to JNTUH,<br/>(Hyderabad)<br/>KSP Road, New Palvancha- 507115, Bhadradri<br/>Kothagudem dist., Telangana.</p> | <p>ANUBOSE INSTITUTE OF<br/>TECHNOLOGY</p> <p>Approved by AICTE   Affiliated to JNTUH, (Hyderabad)<br/>KSP Road, New Palvancha- 507115, Bhadradri Kothagudem<br/>dist., Telangana.</p>  <p>Approved by AICTE   Affiliated to JNTUH, Hyderabad<br/>KSP Road, New Palvancha - 507115, Bhadradri Kothagudem<br/>dist., Telangana</p> <p>ELECTRIC VEHICLES AND<br/>RENEWABLE ENERGY<br/>(04-11-2019 to 09-11-2019)</p>  <p>Organized by<br/>Department of EEE</p> |
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## About ABIT

AnuBose Institute Of Technology (ABIT), located at Paloncha, an industrial hub in Bhadradri Kothagudem, district. Is sponsored by the National Educational Trust, Paloncha. The members of the trust are eminent personalities in various walks of life and dedicate themselves to the cause of education. In light of this, ABIT has been established in 2008 with special attention to the technical education and approved by AICTE, New Delhi and affiliated to the premier and world renowned Jawaharlal Nehru Technological University, Hyderabad.

The ABIT expands itself as "Always Best In Technical-education" by making use of the latest technologies and quality teaching. It lays emphasis on innovative research, investment in high-quality facilities and first-rate infrastructure

AnuBose Institute of Technology (ABIT) strives to make students confident and creative builders of their future. ABIT believes learning is maximized when it takes place in an environment enriched with support, encouragement and assistance. In ABIT we encourage the students to meet academic challenges with openness, enthusiasm, and a willingness to solve problems. We provide a rigorous, academic program through which effective educators lead students to take responsibility for learning. To raise itself as a centre of excellence through integrated educational, academic and industrial research and consultancy services. To actively participate in the development of technical manpower and physical infrastructure for

enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

## About Department

Electrical and Electronics Engineering deals with the innovation, design, development and industrial applications of electrical and electronics systems, components and devices. There is a wide variety of domains to which it applies. Among the most well-known fields, just to name a few are, Electrical Power Generation, Transmission and Distribution, Control Systems, Power Systems, Communications. The department of Electrical and Electronics Engineering (EEE) Program was started in the year of 2008 with an intake of 120 affiliated to JNTUH. The department has well equipped laboratories with standard quality equipment's. The department is catering to the needs of the industry by training students to make valuable contribution. The Department is endeavoring to produce highly trained and capable engineers, who can take up the challenges of the real world. The Department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers.

## Resource Person

Dr. Y. Raja Shekhar Reddy  
Associate Professor & HOD- EEE  
Mother Teresa Institute of Science & Technology, Sathupally.

## Program Objectives

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

## Topics Covered

1. Vehicle Dynamics
2. Vehicle Subsystems: EV Power-train
3. Battery Charging and swapping
4. Decentralized Solar energy generation

## Program Outcome

1. Enhance the knowledge of students in Electric Vehicles
2. Learn more about Renewable Energy

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## Week/Day-wise Schedule

Name of the Program: " Electric Vehicles and Renewable Energy "

| S.NO | Day       | Date       | Topics to be covered                                                                                    |
|------|-----------|------------|---------------------------------------------------------------------------------------------------------|
| 1.   | Monday    | 04/11/2019 | Introduction to Electric Vehicles and Renewable Energy, Vehicle Accessories                             |
| 2.   | Tuesday   | 05/11/2019 | Overview of Electric Vehicles in India, Battery Charging and Swapping                                   |
| 3.   | Wednesday | 06/11/2019 | Vehicle Dynamics, Introduction to Energy Scenario in India                                              |
| 4.   | Thursday  | 07/11/2019 | Vehicle Subsystems: EV Power-train, Solar and Wind energy in India: Economics of centralized generation |
| 5.   | Friday    | 08/11/2019 | Storage for EVs, Decentralized Solar energy generation                                                  |
| 6.   | Saturday  | 09/11/2019 | Fundamentals of EV Battery Pack design, Storage options for Energy                                      |

Mulhyala Srujana  
Program Coordinator

  
HOD-EEE

  
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## PROGRAM REPORT

- Name of the Program : "A One Week Certificate program on Electric Vehicles and Renewable Energy"
- Date/Duration : November 4<sup>th</sup> -9<sup>th</sup>, 2019, 1week
- Resource Person : Dr. K.Venkata Reddy  
Professor in EEE, UCEK(A), JNTU Kakinada  
E- Mail ID: [kvr.jntu@gmail.com](mailto:kvr.jntu@gmail.com), Cell: 984930131 1.
- Program Objective : The objective of this course is  
❖ A helpful solution to reduce oil consumption and air pollutant emissions where concerns about oil security and availability.  
❖ Reduce negative environmental impact of petroleum-based transportation system increase.
- Topics covered : The following topics are covered  
• Vehicle Dynamics.  
• Vehicle Subsystems: EV Power-train  
• Battery Charging and Swapping  
• Decentralized Solar energy generation  
• Storage options for Energy
- Program Outcome : By the end of the program, students would learn about  
❖ Enhance the knowledge of students in Electric Vehicles  
❖ Learn more about Renewable Energy.
- Name of the Co-ordinator: MUTHYALA SRUJANA, Assistant Professor, EEE.
- No of the Participants : 107

Muthyala Srujana.  
Program Coordinator

  
HOD Sign





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Date: 09-01-2020

## CIRCULAR

This is to inform all the III B. tech EEE students that the " *One Week Program of Value-added course on industrial automation with PLC and SCADA* " program is commencing from 20-01-2020 to 25-01-2020 (6 Days). All the interested students are instructed to register without fail.

Timings: 09:00 AM TO 06:00 PM

Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

Principal

| EEE | ECE | CSE | MECH | MINING | CIVIL | MBA |
|-----|-----|-----|------|--------|-------|-----|
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VALUE ADDED COURSE ON  
INDUSTRIAL AUTOMATION  
WITH PLC AND SCADA

(20-01-2020 to 25-01-2020)

ANUBOSE INSTITUTE OF  
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Name :

Designation :

Department :

Affiliation /Organization :

Educational Qualification :

Postal Address :

Mobile Number

E-mail :

DD No & Date

Name of the Bank :

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]

## ORGANIZING COMMITTEE

### Chief Patron

Mr. T. Bharat Krishna

### Patrons

Dr. N. V. Subbarao  
Principal, ANUBOSE INSTITUTE OF  
TECHNOLOGY

### Convener

Mr. V. Ashok  
Head of the Department EEE.

### Coordinator

Mr. MD. Yakoob Pasha  
Assistant Professor ,EEE

For any enquiry contact:

Mobile No: 8019264614

HOD

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VALUE ADDED COURSE ON  
INDUSTRIAL AUTOMATION WITH  
PLC AND SCADA

(20-01-2020 to 25-01-2020)



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technical manpower and physical Infrastructure for enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

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Dr. Y. Mastanamma

Professor & HOD- EEE,

Methodist College of Engineering and Technology, Abids, Hyderabad

## Program Objectives

1. The knowledge about the fundamental architecture of Microcontrollers
2. To perform input and output, interrupt, Timer, Serial communication operations in a microcontroller system.

## Topics Covered

1. Embedded C programming Overview
2. Interfacing LED, Button, IR sensor with esp32 Board.
3. : Interfacing the DHT11 sensor, Flame Sensor with esp32 Board.
4. ADC Concept Explanation and Initialization

## Program Outcome

By the end of the program, students would

1. Get training by Industrial Experts.
2. The knowledge about the fundamental architecture of Microcontrollers

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## Week/Day-wise Schedule

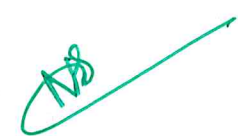
Name of the Program: "Value-added course on Industrial Automation with PLC and SCADA"

| S.NO | Day       | Date       | Topics to be covered                                                                                                |
|------|-----------|------------|---------------------------------------------------------------------------------------------------------------------|
| 1.   | Monday    | 20/10/2020 | Industrial Automation System structure, functional levels and instrumentation signal levels                         |
| 2.   | Tuesday   | 21/10/2020 | Industrial Controllers- PLC basics and architectures<br>PLC- IEC 61131-3 Programming Languages & Visualisation/ HMI |
| 3.   | Wednesday | 22/10/2020 | CPU and Discrete Input/ Output Cards                                                                                |
| 4.   | Thursday  | 23/10/2020 | Introduction to SCADA- NI Lab VIEW DSC software<br>SCADA-Network Communications & Communication with RTUs           |
| 5.   | Friday    | 24/10/2020 | OPC Server and SCADA Interface configuration concepts                                                               |
| 6.   | Saturday  | 25/10/2020 | Home assignments and exercises                                                                                      |

MD. Yakoob pasha  
Program Coordinator

  
HOD-EEE

  
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Cell: +91-9246907407

## PROGRAM REPORT

- Name of the Program : Value-added course on Industrial Automation with PLC and SCADA
- Date/Duration : 20/10/2020 to 25/10/2020
- Resource Person : Dr. Y Mastanamma Prof & HOD-EEE  
Methodist College of Engineering & Technology ,ABIDS, HYD
- Program Objective : The objective of this course is  
This course covers the essentials of SCADA and PLC systems, which are often used in close association with each other. A selection of case studies is used to illustrate the key concepts with examples of real-world working SCADA and PLC systems in the water, electrical, and processing industries
- Topics covered : The following topics are covered
- Industrial Automation System structure
  - Industrial Controllers
  - CPU and discrete Input/ Output cards
  - Introduction to SCADA
- Program Outcome : By the end of the program, students would learn about
- ❖ Enhance the knowledge of current technologies
  - ❖ Learn more about industrial automation
- Name of the Coordinator: Mr. . MD YAKOOB PASHA, Assistant Professor, EEE.
- No of the Participants : 132

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DATE: 01/08/2019

## CIRCULAR

It is hereby informed to all the students of Mechanical Engineering , that "A One-Week Certificate Programe on Metal Fabrication and joining Technologies for Metal" is going to be conducted from 05/08/2019to 10/08/2019. All the interested students are requested to register their names in the department office on or before 04/08/2019. The details of the program will be available in the brochure.

Venue: Seminar Hall (Ground floor)

Timings: 09:00AM to 05: OOPM

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METAL FABRICATION AND JOINING  
TECHNOLOGIES FOR METAL

(05-08-2019 to 09-08-2019)

ANUBOSE INSTITUTE OF  
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Name :

Designation :

Department :

Affiliation /Organization :

Educational Qualification :

Postal Address :

Mobile Number

E-mail :

DD No & Date

Name of the Bank :

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]

ORGANIZING COMMITTEE

Chief Patron

Mr.T. Bharat Krishna

Patrons

Dr.N. V. Subbarao

Principal,ANUBOSE INSTITUTE OF  
TECHNOLOGY

Convener

Mrs.K.NAGENDRA BABU

Head of the Dep, MECH

Coordinator

Mrs. D.YAMUNA

Assistant Professor, MECH

For any enquiry contact:

Mobile No: 8919640884

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METAL FABRICATION AND JOINING  
TECHNOLOGIES FOR METAL

(05-08-2019 to 09-08-2019)



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Bhadradi Kothagudem, Telangana

## About ABIT

Anubose Institute Of Technology (ABIT), located at Paloncha - an industrial hub in Bhadradi Kothagudem district, is sponsored by the National Educational Trust, Paloncha. The members of the trust are eminent personalities in various walks of life and dedicate their selves to the cause of education. In light of this, ABIT has been established in 2008 with special attention to the technical education and approved by AICTE, New Delhi and affiliated to the premier and world renowned Jawaharlal Nehru Technological University, Hyderabad.

The ABIT expands itself as "Always Best in Technical-education" by making use of the latest technologies and quality teaching. It lays emphasis on innovative research, investment in high-quality facilities and first-rate infrastructure

Anubose Institute of Technology (ABIT) strives to make students confident and creative builders of their future. ABIT believes learning is maximized when it takes place in an environment enriched with support, encouragement and assistance. In ABIT we encourage the students to meet academic challenges with openness, enthusiasm, and a willingness to solve problems. We provide a rigorous, academic program through which effective educators lead students to take responsibility for learning. To raise itself as a centre of excellence through integrated educational, academic and industrial research and consultancy services. To actively participate in the development of

technical manpower and physical infrastructure for enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

## About Department

The department of mechanical Engineering was established in the year 2009 with initial intake of 60 students. Within a short span of time, seeing infrastructure available and capabilities of faculties of the RPS group. The undergraduate and post graduate programs of the department mechanical engineering impart solid technical background and research capabilities among the students which help them to excel in their respective fields. It has an array of courses for students to choose and study such as machine tools, production, thermal engineering, fem hardware and software, automation, robotics and control, fluid mechanics, automobile applications and designs.

We put all our efforts to make our students to compete internationally and to produce creative solutions to society's needs, universal moral values, adherent to professional ethical code, and to generate any knowledge and technologies essential to the local and global needs in the field of mechanical engineering.

## Resource Person

Mr.J.SRINIVAS RAO  
HOD, MECH, RUDRUMPUR  
GOVT.POLYTECHNIC - Cell: 9441212065

## Program Objectives

It involves fastening metal components together playing an important role in industries. That includes construction, automotive, marine, aerospace, and product manufacturing.

## Topics Covered

Introduction to fusion welding and pressure welding.

Fastening metal components


Riveting nuts and bolt

Fusion is welding process

Program Outcome

Differentiate between various renewable energy sources

Can Design and install a solar PV system for his home. Mechanical properties Transverse metallographic views

  
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ANUBOSE INSTITUTE OF TECHNOLOGY  
K.S.P Road, Paloncha, Telangana  
Bhadradi Kothagudem Dist.

  
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K.S.P Road, PALVANCHA,  
Bhadradi Kothagudem Dist.

Counselling Code: BOSE

Estd: 2008

JNTUH College Code: PP

An ISO 9001:2015 Certified Institution



# ANUBOSE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to JNTUH Hyderabad)

KSP Road, New Palvancha – 507115, Bhadradi-Kothagudem, Dist., Telangana State.

Website: [www.abit.ac.in](http://www.abit.ac.in)

Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407

Date: 05/08/2019

## Week/Day-wise Schedule

Name of the Program: A One Week Certificate Program on " Metal Fabrication and joining Technologies for Metal  
Duration: 05/08/2019 to 10/08/2019

| S.NO |           | Date       | Topics to be covered                                 |
|------|-----------|------------|------------------------------------------------------|
| 1.   | Monday    | 05/08/2019 | Introduction to Fusion welding and pressure welding  |
| 2.   | Tuesday   | 06/08/2019 | Fastening metal components                           |
| 3.   | Wednesday | 07/08/2019 | Riveting nuts and bolts                              |
| 4.   | Thursday  | 08/08/2019 | Introduction to butt-joint and lap-joint and T-joint |
| 5.   | Friday    | 09/08/2019 | Clinching machines and tools                         |
| 6.   | Saturday  | 10/08/2019 | Fusion arc welding processes                         |

Program Coordinator

**PRINCIPAL**  
Anubose Institute of Technology  
KSP Road, PALVANCHA,  
Bhadradi Kothagudem Dist.

HOD  
the Department  
Department of Mechanical Engineering  
Anubose Institute of Technology  
Palvancha, Bhadradi Kothagudem Dist., T.S.

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Cell: +91-9246907407

Dates: 05/08/2019

## PROGRAM REPORT

Name of the Program : "A One Week Certificate program on **Metal Fabrication and joining Technologies for Metal**".

Date/Duration : August 05<sup>th</sup> -10<sup>th</sup> ,2019 , 6 days

Resource Person : Mr.J.SRINIVAS RAO  
HOD, MECH, RUDRUMPUR  
GOVT.POLYTECHNIC - Cell: 9441212065

Program Objective : The objective of this course is  
❖ It involves fastening metal components together playing an important role in industries.  
❖ That include construction, automotive, marine, aerospace, and product manufacturing.

Topics covered : The following topics are covered  
• Introduction to fusion welding and pressure welding.  
• Fastening metal components  
• Riveting nuts and bolts  
• Fusion are welding process

Program Outcome : By the end of the program, students would  
❖ Mechanical properties  
❖ Transverse metallographic views

Name of the Coordinator : Mrs.D.Yamuna, Assistant Professor MECH

No of the Participants : 60

Program Coordinator

**PRINCIPAL**  
Anubose Institute of Technology  
KSP Road, PALVANCHA,  
Bhadradri Kothagudem Dist.

**HOD**  
Head of the Department  
Department of Mechanical Engineering  
Anubose Institute of Technology  
Paloncha, Bhadradri Kothagudem Dist., T.S.

**PRINCIPAL**  
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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407

DATE:01/01/2020

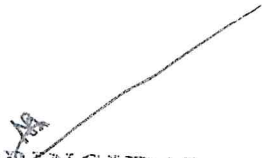
## CIRCULAR

It is hereby informed to all the students of Mechanical Engineering , "A ONE WEEK PROGRAMME ON APPLICATION OF NANO MATERIALS" is going to be conducted from 06/01/2020 to 11/01/2020. All the interested students are requested to register their names in the department office on or 05/01/2020. The details of the program will be available in the brochure.

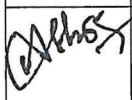



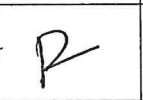
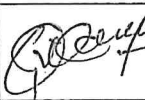
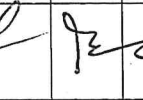

All the interested students must attend the certificate program without fail on the abovementioned dates.

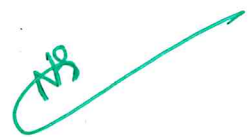
Timings: 09:00AM to 05:00PM

Venue: Seminar Hall (Ground floor)

  
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KSP Road, Palvancha

Circulated to: All Departments

| EEE                                                                                 | ECE                                                                                 | CSE                                                                                 | MECH                                                                                | MINING                                                                              | S&H                                                                                  | MBA                                                                                   | CIVIL                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |

  
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APPLICATION OF NANO MATERIALS

(06-01-2020 to 11-01-2020)

ANUBOSE INSTITUTE OF TECHNOLOGY

Name :

Designation :

Department :

Affiliation /Organization :

Educational Qualification :

Postal Address :

Mobile Number

E-mail :

DD No & Date

Name of the Bank :

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]

ORGANIZING COMMITTEE

Chief Patron

Mr.T. Bharat Krishna

Patrons

Dr.N. V. Subbarao

Principal,  
ANUBOSE INSTITUTE OF TECHNOLOGY

Convener

Mrs.K.NAGENDRA BABU  
Head of the Dep, MECH

Coordinator

Mrs. P.SUDHER KUMAR  
Assistant Professor, MECH

For any enquiry contact:

Mobile No: 8919640884

HOD

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Kothagudem dist., Telangana.

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Bhadradi Kothagudem Dist

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dist., Telangana.



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KSP Road, New Palvoncha- 507115, Bhadradi Kothagudem  
dist., Telangana

APPLICATION OF NANO MATERIALS

(06-01-2020 to 11-01-2020)



Organized by  
Department of MECH

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K.S.P. Road, Palvoncha,  
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technical manpower and physical infrastructure for enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

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We put all our efforts to make our students to compete internationally and to produce creative solutions to society's needs, universal moral values, adherent to professional ethical code, and to generate any knowledge and technologies essential to the local and global needs in the field of mechanical engineering.

## Resource Person

Mrs .G. Keerthi  
AE, TS GENCO, PALVANCHA,

CELL NO-9963252925

## Program Objectives

Nanotechnology also lowers costs, produces stronger and lighter wind turbines, improves fuel efficiency and, thanks to the thermal insulation of some nanocomponents, can save energy. The properties of some nanomaterials make them ideal for improving early diagnosis and treatment of neurodegenerative diseases or cancer.

## Topics Covered

Introduction to Application of nano materials

Food industries and medicines

Preparation of cosmetics, deodorants and sunscreen lotions

Carbon based and metal based nano materials

## Program Outcome

Enhance the knowledge of current technologies

Learn more about nano materials.

AB

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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407

DATE:06/01/2020

## WEEK/DAY WISE SCHEDULE

Name of the Program: "A ONE WEEKS PROGRAMME ON APPLICATION OF NANO MATERIALS".

DRATION:06/01/2020 to 11/01/2020 (1 week)

| S.NO | Day       | Date       | Topics to be covered                                       |
|------|-----------|------------|------------------------------------------------------------|
| 1.   | Monday    | 06/01/2020 | Introduction to Application of nano materials              |
| 2.   | Tuesday   | 07/01/2020 | Food industries and medicines                              |
| 3.   | Wednesday | 08/01/2020 | Textiles and Fabrics                                       |
| 4.   | Thursday  | 09/01/2020 | Preparation of cosmetics, deodorants and sunscreen lotions |
| 5.   | Friday    | 10/01/2020 | Carbon based and metal based nano materials                |
| 6.   | Saturday  | 11/01/2020 | Waste water treatment                                      |

Program Coordinator

Head of Department  
Department of Mechanical Engineering  
Anubose Institute of Technology  
Paloncha, Bhadradri Kothagudem Dist., T.S.

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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407

## PROGRAM REPORT

Name of the Program : A ONE WEEKS PROGRAMME ON APPLICATION OF NANO MATERIALS

.Date/Duration : 06/01/2020 to 11/01/2020 ,6 days

Resource Person : Mrs .G. Keerthi

AE, TS GENCO,PALVANCHA,CELL NO-9963252925

Program Objective : The objective of this course is  
Nanotechnology also lowers costs, produces stronger and lighter wind turbines, improves fuel efficiency and, thanks to the thermal insulation of some nanocomponents, can save energy. The properties of some nanomaterials make them ideal for improving early diagnosis and treatment of neurodegenerative diseases or cancer.

Topics covered : The following topics are covered

- Introduction to Application of nano materials
- Food industries and medicines
- Preparation of cosmetics, deodorants and sunscreen lotions
- Carbon based and metal based nano materials

Program Outcome : By the end of the program, students would

- ❖ Enhance the knowledge of current technologies
- ❖ Learn more about nano materials.

Name of the Coordinator: Mr. K. NAGENDRA BABU, Assistant Professor, MECH.

No of the Participants : 60

Program Coordinator

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Anubose Institute of Technology  
KSP Road, PALVANCHA,  
Bhadradi Kothagudem Dist.

HOD  
Head of the Department  
Department of Mechanical Engineering  
Anubose Institute of Technology  
Paloncha, Bhadradi Kothagudem Dist., T.S

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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407

Dates: 27-8-2019

## CIRCULAR

It is hereby informed to all the students of Computer Science and Engineering, that "A One-Week Work Shop on Frontend Developer " is going to be conducted from 2-9-2019 to 7-9-2019. All the interested students are requested to register their names in the department office on or before 2-9-2019.

Venue: Seminar Hall (Ground floor)

Timings: 03:00PM to 06:00PM

| EEE | ECE | CSE   | MECH | MINING | MBA | AO-S&H |
|-----|-----|-------|------|--------|-----|--------|
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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407


## Week/Day-wise Schedule

Name of the Program: "A One-Week Work Shop on Frontend Developer "

| S.NO |           | Date     | Topics to be covered                   |
|------|-----------|----------|----------------------------------------|
| 1.   | Monday    | 2-9-2019 | JavaScript.                            |
| 2.   | Tuesday   | 3-9-2019 | Knowledge of Frameworks and Libraries. |
| 3.   | Wednesday | 4-9-2019 | Version control.                       |
| 4.   | Thursday  | 5-9-2019 | Cross-browser and device testing.      |
| 5.   | Friday    | 6-9-2019 | Web performance optimization (WPO)     |
| 6.   | Saturday  | 7-9-2019 | HTML and CSS.                          |

  
Program Coordinator

  
HOD Sign

  
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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)


Cell: +91-9246907407


## PROGRAM REPORT

|                         |   |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the Program     | : | "A One-Week Work Shop on Frontend Developer "                                                                                                                                                                                                                                                                     |
| Date/Duration           | : | 2 <sup>nd</sup> September to 7 <sup>th</sup> September 2019 , 6days                                                                                                                                                                                                                                               |
| Resource Person         | : | Dr.Chandra Mohan Professor of JNTU hyd                                                                                                                                                                                                                                                                            |
| Program Objective       | : | The objective of this course is<br>❖ A front-end developer creates websites and applications using web languages such as HTML, CSS, and JavaScript that allow users to access and interact with the site or app.<br>❖ When you visit a website, the design elements you see were created by a front-end developer |
| Topics covered          | : | The following topics are covered <ul style="list-style-type: none"> <li>● JavaScript.</li> <li>● Knowledge of Frameworks and Libraries.</li> <li>● Version control</li> <li>● Cross-browser and device testing.</li> <li>● Web performance optimization (WPO)</li> <li>● HTML and CSS.</li> </ul>                 |
| Program Outcome         | : | By the end of the program, students would <ul style="list-style-type: none"> <li>❖Creates web sites And Applications</li> <li>❖ Usage of javascript</li> </ul>                                                                                                                                                    |
| Name of the Coordinator | : | Mr. K.praveen kumar, Assistant Professor CSE                                                                                                                                                                                                                                                                      |
| No of the Participants  | : | 50                                                                                                                                                                                                                                                                                                                |

  
**Program Coordinator**

  
**HOD**

  
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 K.S.P.Road, PALONCHA-507115

  
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Cell: +91-9246907407

Date: 17-2-2020

## CIRCULAR

It is hereby informed to all the students of Computer Science and Engineering, that "A *Workshop on Cloud Computing* " is going to be conducted from 24/02/2020 to 29/02/2020. All the interested students are requested to register their names in the department office on or before 24/02/2020. The details of the program will be available in the brochure.

All the interested students must attend the certificate program without fail on the abovementioned dates.

Timings: 03:00PM to 06:00PM


Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

| EEE | ECE | CSE | MECH | MINING | S&H | MBA |
|-----|-----|-----|------|--------|-----|-----|
|     |     |     |      |        |     |     |

  
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Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)

Cell: +91-9246907407


## Week/Day-wise Schedule


Name of the Program: "*A Workshop on Cloud Computing*"

| S.NO | Day       | Date       | Topics to be covered           |
|------|-----------|------------|--------------------------------|
| 1.   | Monday    | 24/02/2020 | Cloud Computing Architecture   |
| 2.   | Tuesday   | 25/02/2020 | Benefits                       |
| 3.   | Wednesday | 26/02/2020 | private clouds, public clouds  |
| 4.   | Thursday  | 27/02/2020 | hybrid clouds, and multiclouds |
| 5.   | Friday    | 28/02/2020 | Components                     |
| 6.   | Saturday  | 29/02/2020 | cloud computing services:      |

  
Program Coordinator

  
HOD

  
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Bhadradri Kothagudem Dt, Telangana.

# ANUBOSE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to JNTUH Hyderabad)

KSP Road, New Palvancha – 507115, Bhadradri-Kothagudem, Dist., Telangana State.

Website: [www.abit.ac.in](http://www.abit.ac.in)

Email Id: [abitjntu@gmail.com](mailto:abitjntu@gmail.com)


Cell: +91-9246907407


## PROGRAM REPORT

- Name of the Program : " *A Workshop on Cloud Computing* "
- Date/Duration : 24/02/2020 to 29/02/2020(6 days)
- Resource Person : Dr. B.Padmaja Rani professor of JNTUH
- Program Objective : The objective of this course is  
Private or public, the goal of cloud computing is to provide easy, scalable access to computing resources and IT services. Cloud infrastructure involves the hardware and software components required for proper implementation of a cloud computing model.
- Topics covered : The following topics are covered
- Cloud Computing Architecture
  - Benefits
  - private clouds, public clouds
  - hybrid clouds, and multiclouds
  - Components
  - cloud computing services:
- Program Outcome : By the end of the program, students would
- ❖ Easy access of resources
  - ❖ Learn more about Cloud Computing
- Name of the Coordinator: Mrs.k.Somya., Assistant Professor, CSE.
- No of the Participants : 60

  
Program Coordinator

  
HOD Sign

  
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K.S.P.Road, PALONCHA-507 115

  
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## CIRCULAR

It is hereby informed to all the students of Civil Engineering that **A One-Week Certificate Zero Energy Building** is going to be conducted from **19/08/2019 to 24/08/2019** all the interested students are requested to register their names in the department office on or before 18/08/2019. The details of the program will be available in the brochure.

Timings: 09:00AM to 06:00PM

Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

| EEE | ECE | CSE | MECH | MINING | S&H | MBA | CIVIL |
|-----|-----|-----|------|--------|-----|-----|-------|
|     |     |     |      |        |     |     |       |

Program Coordinator

Principal  
Anubose Institute of Technology,  
KSP Road, PALVANCHA,  
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## Week/Day-wise Schedule

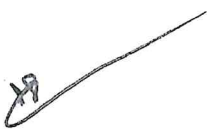
Name of the Program: "A One-Week Certificate Program on Zero Energy Building".

Date/Duration : 19/08/2018 to 24/08/2019

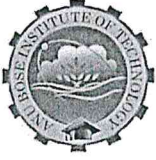
| S.no |           | Date       | Topics to be covered                                                                                                      |
|------|-----------|------------|---------------------------------------------------------------------------------------------------------------------------|
| 1.   | Monday    | 19/08/2019 | Introduction to zero energy buildings and ZEB Energy generation                                                           |
| 2.   | Tuesday   | 20/08/2019 | Importance, Building Materials for Zero energy buildings and Difference between green buildings and Zero energy buildings |
| 3.   | Wednesday | 21/08/2019 | How to design Zero energy buildings and Affordable Zero energy home design                                                |
| 4.   | Thursday  | 22/08/2019 | Construction of Zero energy buildings and Development efforts of zero energy building                                     |
| 5.   | Friday    | 23/08/2019 | Factors considered for Zero energy buildings and Cause of introducing the concept of Zero energy buildings                |
| 6.   | Saturday  | 24/08/2019 | Zero energy buildings in India & Conclusion                                                                               |

  
Program Coordinator

  
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## PROGRAM REPORT

Name of the Program: "A One-Week Certificate program on Zero energy buildings

Date/Duration : 19/08/2018 to 24/08/2019

Resource Person : K. RAMAKRISHNA

E-Mail ID: ramkiredy113@gmail.com Cell No: 9032190444

Program Objective : The objective of this course is

- ❖ Zero Energy Building achieve one key goal of exporting as much renewable energy as it uses.
- ❖ Simpler design and Operation

Topics covered : The following topics are covered

- Introduction to zero energy buildings and
- ZEB Energy Generation
- Development efforts of zero energy building
- Factors considered for Zero energy buildings
- Zero energy buildings in India

Program Outcome : By the end of the program, students would

- ❖ Enhance the students about a new renewable Energy.
- ❖ They capable to know producing enough energy to meet or exceed their requirements to run

Name of the Co-Ordinator: Mr. SANTHOSH Assistant Professor in CIVIL

No of the Participants: 57

Program Coordinator

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## CIRCULAR

It is hereby informed to all the students of Civil Engineering “A One-week program on Investigation Evaluation and Diagnosis of irrigation system in India” to be conducted from 27/01/2020 to 01/02/2020. All the interested students are requested to register their names in the department office on or before 26/02/2020. The details of the program will be available in the brochure.

All the interested students must attend the certificate program without fail on the abovementioned dates.

Timings: 09:00AM to 06:00PM

Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

| EEE | ECE | CSE | MECH | MINING | S&H | MBA | CIVIL |
|-----|-----|-----|------|--------|-----|-----|-------|
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Program Coordinator

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Counselling Code: BOSE

Estd: 2008

JNTUH College Code: PP

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Cell: +91-9246907407

## Week/Day-wise Schedule

Name of the Program: “A One-week certificate program on Investigation Evaluation and Diagnosis of irrigation system in India”

| S. NO | Day       | Date       | Topics to be covered                                                               |
|-------|-----------|------------|------------------------------------------------------------------------------------|
| 1.    | Monday    | 27/01/2020 | Evaluation of irrigation methods and Methodology                                   |
| 2.    | Tuesday   | 28/01/2020 | Indicators to monitor and evaluate the performance of irrigation schemes           |
| 3.    | Wednesday | 29/01/2020 | Framework to evaluate irrigation system work and Purpose of performance assessment |
| 4.    | Thursday  | 30/01/2020 | Evaluation methods and Sustaining irrigation performance                           |
| 5.    | Friday    | 31/01/2020 | Propositions for improving performance and Scope of evaluation                     |
| 6.    | Saturday  | 01/02/2020 | Conclusion                                                                         |

Program Coordinator

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HOD

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Cell: +91-9246907407


## PROGRAM REPORT


- Name of the Program : "A One-Week Certificate program on **Investigation evaluation and diagnosis of irrigation system in India**
- Date/Duration : 27/01/2020 to 01/02/2020
- Resource Person : K. Kiran Chandra Shekar  
E. Mail-ID: [jkch@gmail.com](mailto:jkch@gmail.com) Cell No: 9449217188
- Program Objective : The objective of this course is
- ❖ Minimizing water use within the agricultural sector while continuing to maintain optimal crop productivity rates.
  - ❖ To design an automated irrigation system which is cost effective and time saving using node microcontroller?
- Topics covered : The following topics are covered
- Introduction to investigation evaluation and diagnosis of irrigation system in India
    - Evaluation methods and Sustaining irrigation performance
    - evaluate the performance of irrigation of evaluation
- Program Outcome : By the end of the program, students would
- ❖ How to develop irrigation in India
  - ❖ They understand all the irrigation method in India
- Program Coordinator: Mr. RAVI Assistant professor in CIVIL

No of the Participants : 57

  
Program Coordinator

  
HOD Sign

  
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Date: 25-08-2019


## CIRCULAR


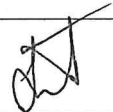
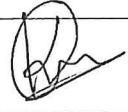

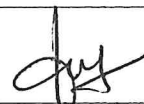


This is to inform all the III B.Tech ECE students that the "*A One-Week Certificate Program on Low Power VLSI Design*" Program is commencing from " 26/08/2019 TO 31/08/2019(6 Days). All the interested students are instructed to register without fail.


Timings: 09:00AM to 06:00PM


Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

  
Principal

| EEE                                                                                 | ECE                                                                                 | CSE                                                                                 | MECH                                                                                | MINING                                                                               | S&H                                                                                   | MBA                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
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Bhadradri Kothagudem Dt, Telangana.

**Program on Low Power VLSI Design**  
**26<sup>TH</sup> AUGUST, 2019**  
**ANUBOSE INSTITUTE OF**  
**TECHNOLOGY**

Name :  
Designation :  
Department :  
Affiliation /Organization :  
Educational Qualification :  
Postal Address :  
Mobile Number  
E-mail :  
DD No & Date  
Name of the Bank :  
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]

**ORGANIZING COMMITTEE**

Chief Patron  
**Mr.T. Bharat Krishna**

Patrons  
**Dr.N. V. Subbarao**  
Principal, ANUBOSE INSTITUTE OF  
TECHNOLOGY

Convener  
**Mr .K.VASAVI**  
Head of the Department ECE.

Coordinator  
**Mr.K.SOWJANYA**  
Assistant Professor, ECE

**For any enquiry contact:**  
Mobile No:9490005729

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KSP Road, New Palvoncha- 507115, Bhadradi Kothagudem  
dist., Telangana  
**Program on Low Power VLSI Design**  
**26<sup>TH</sup> AUGUST, 2019** Organized by  
Department of ECE

## About ABIT

Anubose Institute Of Technology (ABIT), located at Paloncha - an industrial hub in Bhadradi Kothagudem district, is sponsored by the National Educational Trust, Paloncha. The members of the trust are eminent personalities in various walks of life and dedicate themselves to the cause of education. In light of this, ABIT has been established in 2008 with special attention to the technical education and approved by AICTE, New Delhi and affiliated to the premier and world renowned Jawaharlal Nehru Technological University, Hyderabad.

The ABIT expands itself as "Always Best In Technical-education" by making use of the latest technologies and quality teaching. It lays emphasis on innovative research, investment in high-quality facilities and first-rate infrastructure

Anubose Institute of Technology (ABIT) strives to make students confident and creative builders of their future. ABIT believes learning is maximized when it takes place in an environment enriched with support, encouragement and assistance. In ABIT we encourage the students to meet academic challenges with openness, enthusiasm, and a willingness to solve problems. We provide a rigorous, academic program through which effective educators lead students to take responsibility for learning. To raise itself as a centre of excellence through integrated educational,

academic and industrial research and consultancy services. To actively participate in the development of technical manpower and physical infrastructure for enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

## About Department

Electrical and Electronics Engineering deals with the innovation, design, development and industrial applications of electrical and electronics systems, components and devices. There is a wide variety of domains to which it applies. Among the most the well-known fields, just to name a few are, Electrical Power Generation, Transmission and Distribution, Control Systems, Power Systems, Communications. The department of Electrical and Electronics Engineering (EEE) Program was started in the year of 2008 with an intake of 120 affiliated to JNTUH. The department has well equipped laboratories with standard quality equipment. The department is catering to the needs of the industry by training students to make valuable contribution. The Department is endeavoring to produce highly trained and capable engineers, who can take up the challenges of the real world. The Department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers..

## Resource Person

G.UDAYKIRAN BHARGAVA  
ASSOCIATE PROFESSOR

## Program Objectives

The workshop aims to deal with some of the very prominent design related issues in the field of low voltage and low power VLSI design. The challenges posed by aggressive voltage scaling will be discussed, and design guidelines to achieve robust operations will be taken up. Design techniques that make possible the operation of analog circuits with ultra-low supply voltages, down to 0.5V will be demonstrated. The design of Operational Transconductance Amplifiers (OTAs) will be used as a vehicle to introduce these techniques. Automatic biasing strategies to maintain common-mode voltages and attain maximum signal-swing over process, voltage and temperature will also be discussed.

## Topics Covered

Issues & challenges in Low voltage & low Power VLSI Design  
Characteristics of scaled MOSFET with reference to down scaling of voltage and power.

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Sub-threshold and super threshold  
source/drain leakage current models for  
lowpower scaled CMOS

design

Design of Operational Trans conductance  
Amplifiers (OTAs)

Program Outcome

1. By the end of the program, students  
Got the complete knowledge on  
LPVD
2. and its design and use in chip  
designing



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JNTUH College Code: PP

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Cell: +91-9246907407

Date: 24/08/2019

## Week/Day-wise Schedule

Name of the Program: A One -Week Certificate Program on “Low Power VLSI Design”

| S.NO | Day       | Date       | Topics to be covered                                                                                   |
|------|-----------|------------|--------------------------------------------------------------------------------------------------------|
| 1.   | Monday    | 26-08-2019 | Issues & challenges in Low voltage & low Power VLSI Design                                             |
| 2.   | Tuesday   | 27-08-2019 | Characteristics of scaled MOSFET with reference to down scaling of voltage and power.                  |
| 3.   | Wednesday | 28-08-2019 | Sub-threshold and super threshold source/drain leakage current models for low power scaled CMOS design |
| 4.   | Thursday  | 29-08-2019 | Design of Operational Trans conductance Amplifiers                                                     |
| 5.   | Friday    | 30-08-2019 | Design and analysis of LPVD                                                                            |
| 6.   | Saturday  | 31-08-2019 | Design of electronic circuits using LTSPICE                                                            |



Program Coordinator



HOD-EEE



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## PROGRAM REPORT

**Name of the Program** : A One-week Certificate Program on **Low Power VLSI Design**

**Date/Duration** : 26/08/2019 TO 31/08/2019 1 WEEK

**Resource Person** : G.UDAYKIRAN BHARGAVA ASSOCIATE PROFESSOR  
ECE DEPARTMENT

**Program Objective** : The objective of this course is

- The workshop aims to deal with some of the very prominent design related issues in the field of low voltage and low power VLSI design. The challenges posed by aggressive voltage scaling will be discussed, and design guidelines to achieve robust operations will be taken up.
- Design techniques that make possible the operation of analog circuits with ultra-low supply voltages, down to 0.5V will be demonstrated
- The design of Operational Trans conductance Amplifiers (OTAs) will be used as a vehicle to introduce these techniques.
- Automatic biasing strategies to maintain common-mode voltages and attain maximum signal-swing over process, voltage and temperature will also be discussed.

**Topics covered** :

- Issues & challenges in Low voltage & low Power VLSI Design
- Characteristics of scaled MOSFET with reference to down scaling of voltage and power.
- Sub-threshold and super threshold source/drain leakage current models for lowpower scaled CMOS design
- Design of Operational Trans conductance Amplifiers (OTAs)

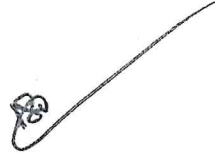
**Program Outcome** : By the end of the program, students Got the complete knowledge on LPVD and its design and use in chip designing

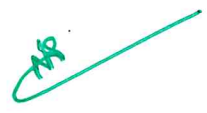
**Name of the Coordinator:** K. Sowjanya, Assistant Professor, ECE.

**No of the Participants** : 45

  
**Program Coordinator**

  
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Date: 16-02-2020


## CIRCULAR



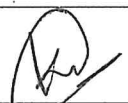

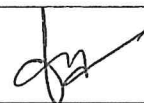
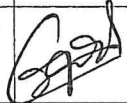
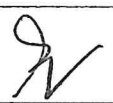
This is to inform all the III B.Tech ECE students that the "*A One-Week Certificate Program on Transmission Waves and Electromagnetic Waves*" Program is commencing from 17-02-2020 TO 22-02-2020 (6 Days). All the interested students are instructed to register without fail.


Timings: 09:00AM to 06:00PM

Venue: Seminar Hall (Ground floor)

Circulated to: All Departments

  
Principal

| EEE                                                                                 | ECE                                                                                 | CSE                                                                                 | MECH                                                                                | MINING                                                                               | S&H                                                                                   | MBA                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
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Program on Transmission Waves  
and Electromagnetic Waves FEB

17<sup>TH</sup>, 2020

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TECHNOLOGY**

Name :

Designation :

Department :

Affiliation / Organization :

Educational Qualification :

Postal Address :

Mobile Number

E-mail :

DD No & Date

Name of the Bank :

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]

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Head of the Department ECE.

Coordinator

Mr.D. Swecha

Assistant Professor, ECE

**For any enquiry contact:**


Mobile No:9030169381

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Bhadradi Kothagudem Dt, Telangana.

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**Program on Transmission Waves  
and Electromagnetic Waves FEB**

17<sup>TH</sup>, 2020

**Organized by**  
Department of ECE



## About ABIT

Anubose Institute Of Technology (ABIT), located at Paloncha - an industrial hub in Bhadradi Kothagudem district, is sponsored by the National Educational Trust, Paloncha. The members of the trust are eminent personalities in various walks of life and dedicate their selves to the cause of education. In light of this, ABIT has been established in 2008 with special attention to the technical education and approved by AICTE, New Delhi and affiliated to the premier and world

renowned Jawaharlal Nehru Technological University, Hyderabad. The ABIT expands itself as "Always Best In Technical-education" by making use of the latest technologies and quality teaching. It lays emphasis on innovative research, investment in high-quality facilities and first-rate infrastructure

AnuBose Institute of Technology (ABIT) strives to make students confident and creative builders of their future. ABIT believes learning is maximized when it takes place in an environment enriched with support, encouragement and assistance. In ABIT we encourage the students to meet academic challenges with openness, enthusiasm, and a willingness to solve problems. We provide a rigorous, academic program through which effective educators lead students to

take responsibility for learning. To raise itself as a centre of excellence through integrated educational, academic and industrial research and consultancy services. To actively participate in the development of technical manpower and physical infrastructure for enhancing the country's credibility and stature. To undertake cooperative research in the industry for upgradation of current technologies and development of new ones, to improve quality and cost effectiveness, while participating in the ongoing process of globalization. To play a noble role for making significant contributions for social upliftment through technical education.

## About Department

Electrical and Electronics Engineering deals with the innovation, design, development and industrial applications of electrical and electronics systems, components and devices. There is a wide variety of domains to which it applies. Among the most the well-known fields, just to name a few are, Electrical Power Generation, Transmission and Distribution, Control Systems, Power Systems, Communications. The department of Electrical and Electronics Engineering (EEE) Program was started in the year of 2008 with an intake of 120 affiliated to JNTUH. The department has well equipped laboratories with standard quality equipment. The department is catering to the needs of the industry by training students to make valuable contribution. The Department is endeavoring to produce highly trained and capable engineers, who can take up the challenges of the real world. The Department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers.

## Resource Person

**A. VENKATESHWARLU ASSOCIATE PROFESSOR**

**SBIT, KHAMMAM**

## Program Objectives

The Workshop will cover topics in the EM theory and microwave devices this workshop sessions also covers

Electromagnetic Wave, Generation of electromagnetic waves, Fundamentals of microwave devices.

## Topics Covered

This workshop develops an introduction to an EM theory and its applications in microwave devices.

The full theory of transmission, reflection, dispersion and absorption of EM waves is developed

for free-space, conductors and dielectrics.

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The module offers an in-depth knowledge of microwave circuits, transmission line theory, types

of transmission lines and impedance matching of the RF networks.

The theory underlying the generation of EM waves is presented, with discussions that consider

#### **Program Outcome**

1. Students got complete knowledge on Transmission waves and Electromagnetic waves.

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Counselling Code: **BOSE**

Estd: **2008**

JNTUH College Code: **PP**

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# ANUBOSE INSTITUTE OF TECHNOLOGY

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## Week/Day-wise Schedule

Date: 15/02/2020

**Name of the Program:** A One -week Certificate Program on “Transmission Waves& Electromagnetic Waves

|    |           |            |                                                                                                                                                                 |
|----|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Monday    | 17-02-2020 | An introduction to an EM theory and its applications in microwave devices.                                                                                      |
| 2. | Tuesday   | 18-02-2020 | The full theory of transmission, reflection, dispersion and absorption of EM waves is developed for free-space, conductors and dielectrics.                     |
| 3. | Wednesday | 19-02-2020 | The module offers an in-depth knowledge of microwave circuits, transmission line theory, types of transmission lines and impedance matching of the RF networks. |
| 4. | Thursday  | 20-02-2020 | The theory underlying the generation of EM waves is presented, with discussions that consider the waveguides, Hertz an dipole and antennas                      |
| 5. | Friday    | 21-02-2020 | EM theory and microwave devices                                                                                                                                 |
| 6. | Saturday  | 22-02-2020 | Electromagnetic Wave Generation of electromagnetic waves, Fundamentals of microwave devices.                                                                    |



**Program Coordinator**



**HOD-EEE**



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