



List of Certificate/ Add-on Programs

Academic Year: 2018-19

S.No	Name of the Program	Duration of Course	No. of Participants
1	A two week certificate program on "Power electronic devices and it's applications in Scenario"	01-04-2019 to 13-04-2019	76
2	A two week certificate program on "Wavelet based image segmentation"	17-01-2019 to 30-01-2019	60
3	A two week certificate program on "Communication of Data & Analysis of Network"	22-10-2018 to 03-11-2018	81
4	A two week certificate program on "Wind power generation system using Wind Energy"	10-09-2018 to 22-09-2018	81
5	A two week certificate program on "The Utilization of industrial Robotics &IOT technologies"	04-09-2018 to 17-09-2018	58
6	A two week certificate program on "Strategy and sustainable development"	06-08-2018 to 20-08-2018	91
7	A two week certificate program on "Arduino application development"	30-07-2018 to 11-08 2018	67


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 Trinity College of Engineering & Technology
 Karimnagar - 505 001

Estd : 2008



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JNTUH COLLEGE CODE : **UE**
SBTET-TS COLLEGE CODE : **488**
POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**








Date: 23-03-2019

CIRCULAR

All the students of IV, III, II YEAR B. Tech (EEE Department) are informed that the department of electrical engineering is organizing a **CERTIFICATE COURSE PROGRAM** on **“POWER ELECTRONIC DEVICES AND ITS APPLICATION IN SCENARIO”** from 01-04-2019 to 13-04-2019. All the students are invited and advised to actively participate in the aforementioned certificate program upon successful participation the student will be issued with participation certificate. 80% and above attendance is required for receiving the certificate. Interested students can enroll their names on or before 28-03-2019. For further details; the student can contact the program coordinator M.NARENDER Assistant Professor, department of EEE.


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TRINITY COLLEGE OF ENGINEERING AND TECHNOLOGY

BOMMAKAL, KARIMNAGAR

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A TWO WEEK CERTIFICATE PROGRAM ON

POWER ELECTRONIC DEVICES AND ITS APPLICATION IN SCENARIO

From (01-04-2019 to 13-04-2019)

DAY WISE SCHEDULE

Sl.no	Topic Name	Date of competition
1.	INTRODUCTION	01-04-2019
2.	What is the difference between power diode and signal diode?	02-04-2019
3.	IGBT is a voltage control device	03-04-2019
4.	Power MOSFET is a voltage control device	04-04-2019
5.	What losses occur in thyristor during working condition?	05-04-2019
6.	What are the advantages of GTO over SCR?	06-04-2019
7.	The applications of controlled rectifier	08-04-2019
8.	The function of free-wheeling diode in controlled rectifier	09-04-2019
9.	Single phase bridge converter over single phase mid point control	10-04-2019
10.	The advantages of single phase bridge converter over single phase mid point converter	11-04-2019
11.	Commutation angle or overlap angle	12-04-2019
12.	The types of commutation	13-04-2019

Narendra
CO-ORDINATOR

Dr. Nagendra Singh
PRINCIPAL

Dr. Nagendra Singh
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Karimnagar - 505 001

**ORGANIZING COMMITTEE:
CHIEF PATRON:**

D.MANOHAR REDDY

**FOUNDER OF TRINITY EDUCATIONAL
INSTITUTIONS**

PATRON:

D.PRASANTH REDDY

**CHAIRMAN OF TRINITY EDUCATIONAL
INSTITUTIONS**

PRINCIPAL:

Dr. NAGENDRA SINGH

RESOURCE PERSON

P. RAJKUMAR REDDY

Assistant Professor

9000195870

raj कुमार.pinreddy@gmail.com

CONVENOR:

B. DIVYA

Assistant Professor

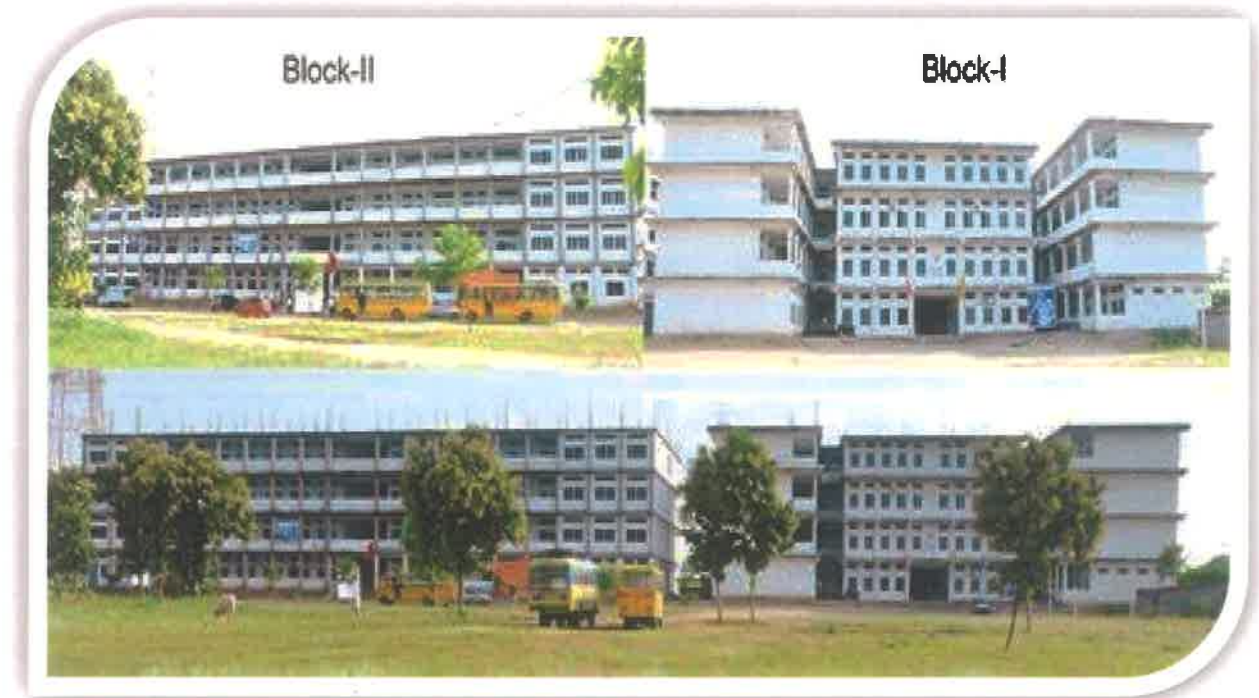
PROGRAM COORDINATORS:

M. NARENDER

Assistant Professor

9491471344

mnarender44@gmail.com



A Two Week Certificate Programme

ON

**POWER ELECTRONIC DEVICES AND ITS
APPLICATION IN SCENARIO**

01-04-2019 TO 13-04-2019

Organized by

Department of

**ELECTRICAL AND ELECTRONICS
ENGINEERING**

**TRINITY COLLEGE OF
ENGINEERING AND
TECHNOLOGY**

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Karimnagar - 505 001

ABOUT THE COLLEGE

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen...

ABOUT THE DEPARTMENT:

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism. Electrical engineers deal with the energies from their sources to our homes, factories, offices, hospitals, and schools. It is impossible to visualize the world without electricity. There has been rapid advancement in generation, transmission and distribution technologies, opening up new frontiers. The department initiated developmental activities in the emerging areas of Renewable energy sources like solar energy, wind energy etc.


ABOUT THE PROGRAM

Introductory course in power electronics at the undergraduate level. However, containing a comprehensive overview of modern tools and techniques of electric power conditioning, the book can also be used in more advanced classes. Practicing engineers wishing to refresh their knowledge of power electronics, or interested in branching into the area, are also envisioned as potential readers. Students are assumed to have working knowledge of the electric circuit analysis and basic electronics/.

TOPICS TO BE COVERED

- What are the advantages of GTO over SCR?
- What is the difference between power diode and signal diode?
- IGBT is a voltage controlled device
- Power MOSFET is a voltage controlled device

What losses occur in a thyristor during working condition?


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REGISTRATION FORM



A Two Week Certificate Programme

On POWER ELECTRONIC DEVICES AND ITS APPLICATION IN SCENARIO

(01-04-2019 to 13-04-2019)

Participation name:.....
.....

Class/year:.....

Contact number:.....

Email Id:.....

I Depute Mr./Ms. / I
am interested to participate in the above
workshop.

Date:

Participant Sign

Estd : 2008



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Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 15-04-2019

PROGRAM REPORT

Name of the Event: A Two Week Certificate program on “**POWER ELECTRIC AND ITS APPLICATION IN SCENARIO**”

Date: 01-04-2019 to 13-04-2019.

Resource Person: **Mr. P. RAJKUMAR REDDY**

Assistant Professor

Mobile No.9000195870

Email. Id:rajkumar.pinreddy@gmail.com

Name of the Co-Ordinator: **Mr. M. NARENDER**

Assistant Professor

Mobile No.9491471344

Email. Id:mnarender44@gmail.com

No. of Students attended:76

Venue: Seminar Hall, Block – 2

Trinity College of Engineering & Technology, Karimnagar, organized a certificate program on "**POWER ELECTRIC AND ITS APPLICATION IN SCENARIO**" for B.Tech EEE students by the resource person Mr. P.RAJ KUMAR REDDY. Totally 76 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.


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OBJECTIVES:

- ✓ Controlling very high voltage/current/power using very low voltage/current/power.
(There is lot of fun controlling the Big elephants, Big whales)
- ✓ The course focuses on presenting the fundamental concepts on conversion, control and monitoring of electric energy using power semiconductor devices.
- ✓ Methods for analyzing power electronic converters suitable for AC/DC, DC/DC and DC/AC electrical energy conversions are presented.
- ✓ Computer-aided analysis and simulations of the electrical and thermal performance of power electronic converters is also among the course objectives.
- ✓ The application of power electronic converters in the fields of sustainable energy technologies such as electrified transportation, wind energy, solar power, and electrical energy storage are presented. Furthermore, application of power electronics for transmission, distribution and control in the future electric power grid is described

LEARNING OUTCOME:

1. Describe the role of Modern Power Electronics Converter as an enabling technology in various applications such as flexible production systems, energy conservation, renewable energy, transportation etc.
2. Identify a switching power-pole as the basic building block and to use Pulse Width Modulation to synthesize the desired output.
3. Design the switching power-pole using the available power semiconductor devices, their drive circuitry and driver ICs and heat sinks. You will be able to model these in PSpice.
4. Learn the basic concepts of operation of de-de converters in steady state in continuous and discontinuous modes and be able to analyze basic converter topologies.
5. Design the single-phase power factor correction (PFC) circuits to draw sinusoidal currents at unity.


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PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr. N.NAGENDRA SINGH, Principal of TCTK thanked the resource person and participants for making program successful.

Narandhar
CO-ORDINATOR

N.S.
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Date: 11-1-2019

CIRCULAR

It is hereby informed to all B.Tech ECE students that our college is conducting A Two Week Certificate Program on "**Wavelet based image segmentation**" from 17-1-2019 to 31-1-2019. All the students register their names to coordinator listed below on or before 16-1-2019. Hence, all the students are hereby informed to attend the classes without fail.

Venue: Seminar hall, Block-2.

Co-ordinator: Mr. B.RAJA KUMAR

Asst. Prof. (Dept.ECE),

Contact No :9404442075,

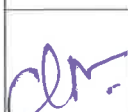
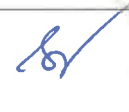



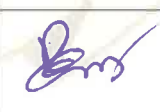

Mail id: rajkumarbathula@gmail.com.


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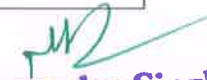
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KARIMNAGAR- 505001

DAY WISE SCHEDULE ON TWO WEEK CERTIFICATE PROGRAM AND TRAINING ON
“WAVELET BASED IMAGE SEGMENTATION”
DEPARTMENT OF ECE

S.No	Date	Topics to be covered
1	17-01-2019	Introduction, maximum variance segmentation method
2	18-01-2019	The principle of wavelet transform , Data set descriptions
3	19-01-2019	To evaluate the capability of the WSM method in image segmentation, Peak signal to noise ratio (PSNR)
4	21-01-2019	Structural similarity (SSIM), global threshold value by maximizing the separability of the classes in gray level image.
5	22-01-2019	Multi-parameter sensor based on the fiber Bragg grating combined with triangular-lattice four-core fiber, Wavelet-based Focus Measures
6	23-01-2019	Selection of Wavelet Bases
7	24-01-2019	Microscopic Image Segmentation Results, Wavelet based autofocusing
8	25-01-2019	Focus measure operators
9	28-01-2019	Unsupervised Segmentation of Microscopic Images Using Wavelet-based Focus Measures
10	29-01-2019	Segmentation algorithm & computer vision


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11	30-01-2019	High precision micromanipulation, micro assembly, edge detection
12	31-01-2019	Microscopic Image Segmentation Results


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**DEPARTMENT OF ELECTRONICS
& COMMUNICATION ENGINEERING**

**A TWO WEEK CERTIFICATE PROGRAM ON
“WAVELET BASED IMAGE
SEGMENTATION”**

JAN17 - JAN31, 2019

REGISTRATION FORM

**A TWO WEEK CERTIFICATE PROGRAM ON
“WAVELET BASED IMAGE SEGMENTATION”**

Name:-----

Gender: Male Female

Qualification: -----

Department:-----

E-mail id:-----

Phone/Mobile:-----

Address:-----

Place:

Date:

Signature of the Participant



ABOUT THE COLLEGE:

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen.

**ORGANIZING COMMITTEE
CHIEF PATRON**

SRI. D.MANO HAR REDDY
FOUNDER OF TRINITY EDUCATIONAL INSTITUTIONS

PATRON

SRI. D.PRASHANTH REDDY CHAIRMAN
OF TRINITY EDUCATIONAL INSTITUTIONS

PRINCIPAL

Dr. NAGENDRA SINGH

ABOUT THE DEPARTMENT:

Electronics and Communication Engineering is one of the largest and fastest growing fields of engineering. It covers a wide range of applications which make our life easier and enjoyable. Radio, television, telephones, computers, automobiles, office machinery and house-hold appliances, life saving medical equipments and space vehicles represent a mere sample in the wide spectrum of application of electronics. Modern society relies heavily on communicating information through mobile phones, TVs, Radios, Telecommunications and Wireless Networks. Electronics and Communication Engineers are a crucial part of meeting this demand.


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ABOUT THE PROGRAMME

In order to retain the details of image and automatically determine the segmentation threshold of image segmentation, an image segmentation method based on wavelet transform is proposed. The detailed information of horizontal, vertical and diagonal directions can be obtained by using image decomposition based on wavelet transform theory. The proposed method is tested on different images and it has better visual effect than other traditional methods, such as maximum variance segmentation, bi-modal segmentation and histogram valley threshold segmentation.

THE OBJECTIVE OF PROGRAM

The goal of segmentation is to simplify and/or change the representation of an image into something that is more meaningful and easier to analyze. Image segmentation is typically used to locate objects and boundaries (lines, curves, etc.) in images. The result of image segmentation is a set of segments that collectively cover the entire image, or a set of contours extracted from the image. Each of the pixels in a region are similar with respect to some characteristic or computed property, such as color, intensity, or texture. Adjacent regions are significantly different color respect to the same characteristics

COURSE CONTENTS

1. The principle of wavelet transform, Data set descriptions
2. To evaluate the capability of the WSM method in image segmentation, Peak signal to noise ratio (PSNR)
3. Structural similarity (SSIM), global threshold value by maximizing the separability of the classes in gray level image
4. Multi-parameter sensor based on the fiber Bragg grating combined with triangular-lattice four-core fiber, Wavelet-based Focus Measures
5. High precision micromanipulation, micro assembly, edge detection
6. Microscopic Image Segmentation Results.

REGISTRATION DETAILS

No Registration fee.

IMPORTANT DATES

Last date for registration: 16.1.2019

RESOURCE PERSON

Mr.D.SAMPATH

ASSISTANT PROFESSOR

ECE DEPARTMENT

CONTACT NO: 83286221392,

MAIL ID : SAMPATH459@gmail.com,

COORDINATOR

Mr.B.RAJA KUMAR

ASSISTANT PROFESSOR

Dept. of ECE

CONTACT NO: 9704442075,

MAIL ID: rajkumarbathula@gmail.com.

Address For Communication

Trinity College of Engineering & Technology,

Near by-pass flyover,

bommakal,

Karimnagar-5050001

Phone: 9030451394

Website: trinityengineering.edu.in


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Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 02-03-2019

PROGRAM REPORT

Name of the Event: A Two Week Certificate Program on "**wavelet based image segmentation**"

Date: 17-1-2019 to 31-1-2019.

Resource Person: Mr. D.Sampath,

Asst. Prof. (Dept.ECE),

contact No: 8328621392,

Mail id:sampath459@gmail.com.

Co-ordinator : Mr. B.RAJA KUMAR

Asst. Prof. (Dept.ECE),

Contact No: 9704442075,

Mail id:rajkumarbathula@gmail.com.

No. of Students attended: 60

Venue: SEMINAR HALL, BLOCK-2

Trinity College of Engineering & Technology, Karimnagar, organized A Two Week Certificate Program and Training on "**wavelet based image segmentation**" for B.Tech ECE students by the resource person Mr.D.SAMPATH. Totally 60 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.


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Objectives:

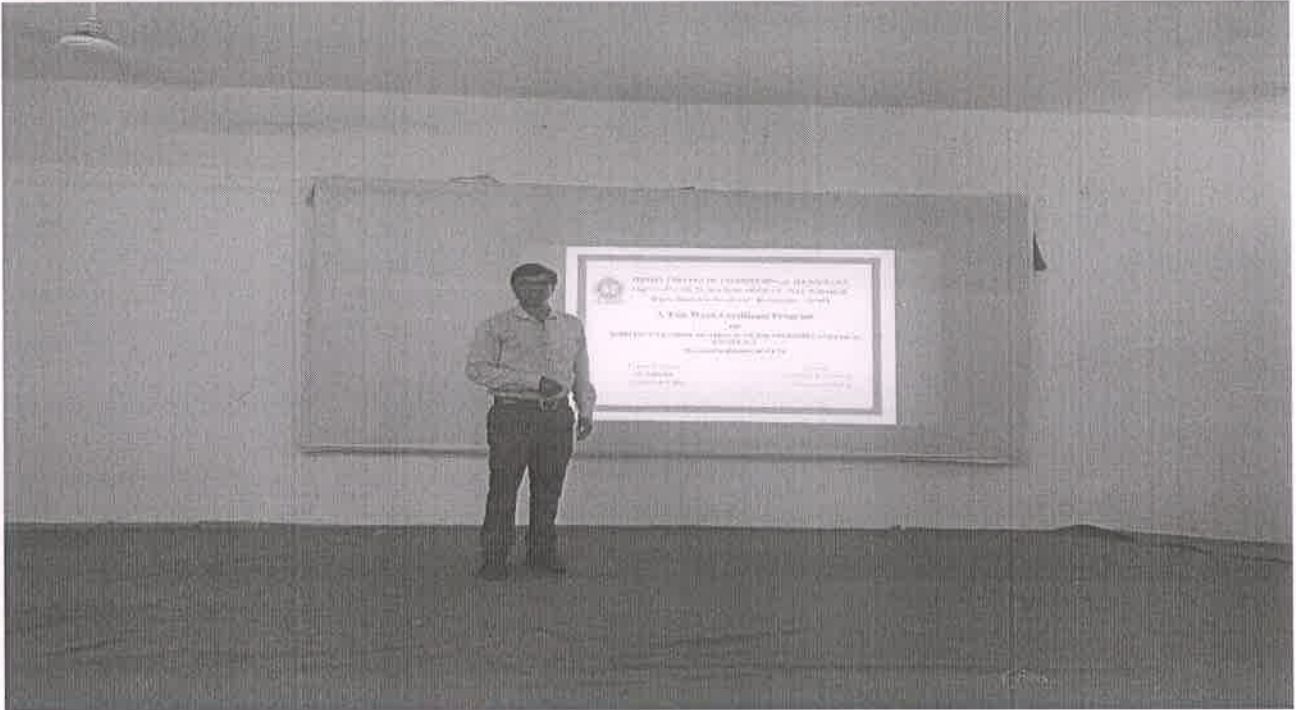
In order to retain the details of image and automatically determine the segmentation threshold of image segmentation, an image segmentation method based on wavelet transform is proposed. The detailed information of horizontal, vertical and diagonal directions can be obtained by using image decomposition based on wavelet transform theory. The proposed method is tested on different images and it has better visual effect than other traditional methods, such as maximum variance segmentation, bi-modal segmentation and histogram valley threshold segmentation. Among the three image quality evaluation indicators, the proposed method also has obvious advantages, especially in medical image segmentation.

Learning outcomes:

- The goal of segmentation is to simplify and/or change the representation of an image into something that is more meaningful and easier to analyze
- Image segmentation is typically used to locate objects and boundaries (lines, curves, etc.) in images.
- The result of image segmentation is a set of segments that collectively cover the entire image, or a set of contours extracted from the image.
- Each of the pixels in a region are similar with respect to some characteristic or computed property, such as color, intensity, or texture. Adjacent regions are significantly different color respect to the same characteristics.
- When applied to a stack of images, typical in medical imaging, the resulting contours after image segmentation can be used to create 3D reconstructions with the help of interpolation algorithms like marching cubes.


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Trinity College of Engineering & Technology
Karimnagar - 505 001

PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr. NAGENDRA SINGH Principal of Trinity College of Engineering & Technology thanked the resource person and participants for making program successful.


CO-ORDINATOR


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Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 12-10-2018

CIRCULAR

It is hereby informed to all B.Tech ECE students that our college is conducting A Two Week Certificate Program on "COMMUNICATION OF DATA AND ANALYSIS OF NETWORK" from 22-10-2018 to 3-11-2018. All the students register their names to coordinator listed below on or before 21-10-2018. Hence, all the students are hereby informed to attend the classes without fail.

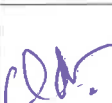

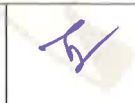

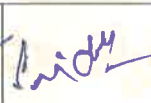


Venue: Seminar hall, Block-2.

Co-ordinator: Mr.CH.MADHU

Asst. Prof (Dept.ECE),
Contact No :95753504643,
Mail id:madhuchityala1318@gmail.com.


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DAY WISE SCHEDULE ON TWO WEEK CERTIFICATE PROGRAM AND TRAINING ON
“COMMUNICATION OF DATA AND ANALYSIS OF NETWORK”
DEPARTMENT OF ECE

S.No	Date	Topics to be covered
1	22-10-18	Fundamentals Of Data Communication Channel, Measure of information, Encoding of source output.
2	23-10-18	Shannon's Encoding algorithms, Discrete and continues channel.
3	24-10-18	Channel, Entropy, Variable length codes
4	25-10-18	Data compression, Shannon-Hartley Theorem, Baseband data communication, Baseband pulse shaping.
5	26-10-18	Inter symbol interface (ISI) Dubinary base band PAM
6	27-10-18	System many signaling schemes, Equalization, Synchronization scrambler and unsrambler.
7	29-10-18	Band pass data transmission system ASK, PSK, FAK, DPSK & PSK, MSK, Modulation schemes .
8	30-10-18	Coherent and Non coherent detector, Probability of error (PE), Performance Analysis and comparision.
9	31-10-18	Error detection and correction codes, Linear block encoding, Algebraic codes.
10	1-11-2018	Cyclic codes, Convolution codes, Best error, Correading codes, Performance of codes.
11	2-11-2018	Synchronous and Asynchronous transmission, Modem, Serial interface, Circuit switching, Packet switching.
12	3-11-2018	Hybrid switching, Architecture of computer network, OSI model, Data communication protocols.

madhu.ch.

COORDINATOR


PRINCIPAL
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**DEPARTMENT OF ELECTRONICS
& COMMUNICATION ENGINEERING**

A TWO WEEK CERTIFICATE PROGRAM ON

**“COMMUNICATION OF DATA AND
ANALYSIS OF NETWORK”**

**OCT22 - NOV3, 2018
REGISTRATION FORM**

**ECE DEPARTMENT ORGANIZING
A TWO WEEK CERTIFICATE PROGRAM
ON**

**“COMMUNICATION OF DATA AND
ANALYSIS OF NETWORK”**

Name:-----

Gender: Male Female

Qualification:-----

Department:-----

E-mail id:-----

Phone/Mobile:-----

Address:-----

Place:

Date:

Signature of the Participant



ABOUT THE COLLEGE

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**ORGANIZING COMMITTEE
CHIEF PATRON**

SRI. D.MANO HAR REDDY
FOUNDER OF TRINITY EDUCATIONAL
INSTITUTIONS

PATRON

SRI. D.PRASHANTH REDDY
CHAIRMAN OF TRINITY EDUCATIONAL
INSTITUTIONS

PRINCIPAL

Dr. NAGENDRA SINGH

ABOUT THE DEPARTMENT:

Electronics and Communication Engineering is one of the largest and fastest growing fields of engineering. It covers a wide range of applications which make our life easier and enjoyable. Radio, television, telephones, computers, automobiles, office machinery and house-hold appliances, life saving medical equipments and space vehicles represent a mere sample in the wide spectrum of application of electronics. Modern society relies heavily on communicating information through mobile phones, TVs, Radios, Telecommunications and Wireless Networks. Electronics and Communication Engineers are a crucial part of meeting this demand.

ABOUT THE PROGRAMME

Data Communication is a process of exchanging data or information. In case of computer networks this exchange is done between two devices over a transmission medium. This process involves a communication system which is made up of hardware and software. The hardware part involves the sender and receiver devices and the intermediate devices through which the data passes. The software part involves certain rules which specify what is to be communicated, how it is to be communicated and when. It is also called as a Protocol. The fundamental characteristics that are important for the effective working of data communication process and is followed by the components that make up a data communications system are discussed.

THE OBJECTIVE OF PROGRAM

Introduce students to the evolution of computer networks and the concepts of data communication. Introduce students the general principles of network design and compare the different network topologies. Introduce students to the digital and analogue representations and channels. Describe the mechanism and techniques of encoding. Introduce students to the general principles of circuit and packet switching. Introduce students to the wireless Local Area Networks.

COURSE CONTENTS

1. Fundamentals Of Data Communication Channel, Measure of information, Encoding of source output.
2. Data compression, Shannon-Hartley Theorem, Baseband data communication, Baseband pulse shaping.
3. Coherent and Non coherent detector, Probability of error (PE), Performance Analysis and comparison.
4. Cyclic codes, Convolution codes, Best error, Correlating codes, Performance of codes.
5. Synchronous and Asynchronous transmission, Modem, Serial interface, Circuit switching, Packet switching.
6. Hybrid switching, Architecture of computer network, OSI model, Data communication protocols.

REGISTRATION DETAILS

No Registration fee.

ELIGIBILITY

The Students should pursuing II, III & IV YEAR of B.Tech.

IMPORTANT DATES

Last date for registration: 21.10.2018


Dr. Nagendra Singh
PRINCIPAL

Trinity College of Engineering & Technology
Karimnagar - 505 001

RESOURCE PERSON

Mr. D.SRINIVAS

ASSISTANT PROFESSOR

ECE DEPARTMENT

CONTACT NO: 9908691592,

MAIL ID : dheetiseenu@gmail.com,

COORDINATOR

Mr. CH.MADHU

ASSISTANT PROFESSOR

Dept. of ECE

CONTACT NO: 8328621392,

MAIL ID: madhuchityala1318@gmail.com.

Address For Communication

Trinity College of Engineering &
Technology,

Near by-pass flyover,

Bommakal,

Karimnagar-5050001

Phone: 9030451394

Website: trinityengineering.edu.in

Estd : 2008



TRINITY

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUH & SBTET)

JNTUH COLLEGE CODE : **UE**
SBTET-TS COLLEGE CODE : **488**
POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 5-11-2018

PROGRAM REPORT

Name of the Event: A Two Week Certificate Program on "COMMUNICATION OF DATA AND ANALYSIS OF NETWORK".

Date: 22-10-2018 to 3-11-2018.

Resource person: MR.D.SRINIVAS

Asst.Prof (Dept.ECE),

Contact No: 9908691592,

Mail id:dheetiseenu@mail.com.

Co-ordinator : CH.MADHU.

Asst.Prof (Dept.ECE),

Contact No: 9573504643,

Mail id:madhuchityala1318@gmail.com.

No. of Students attended: 84

Venue: SEMINAR HALL, BLOCK-2

Trinity College of Engineering & Technology, Karimnagar, organized A Two Week Certificate Program and Training on "COMMUNICATION OF DATA AND ANALYSIS OF NETWORK" for B.Tech ECE students by the resource person Mr.D.SRINIVAS. Totally 84 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

Data Communication is a process of exchanging data or information. In case of computer networks this exchange is done between two devices over a transmission medium. This process involves a communication system which is made up of hardware and software. The hardware part involves the sender and receiver devices and the intermediate devices through which the data passes. The software part involves certain rules which specify what is to be communicated, how it


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Near By-Pass Flyover, Bommakal. **KARIMNAGAR. TELANGANA STATE - 505 001.**

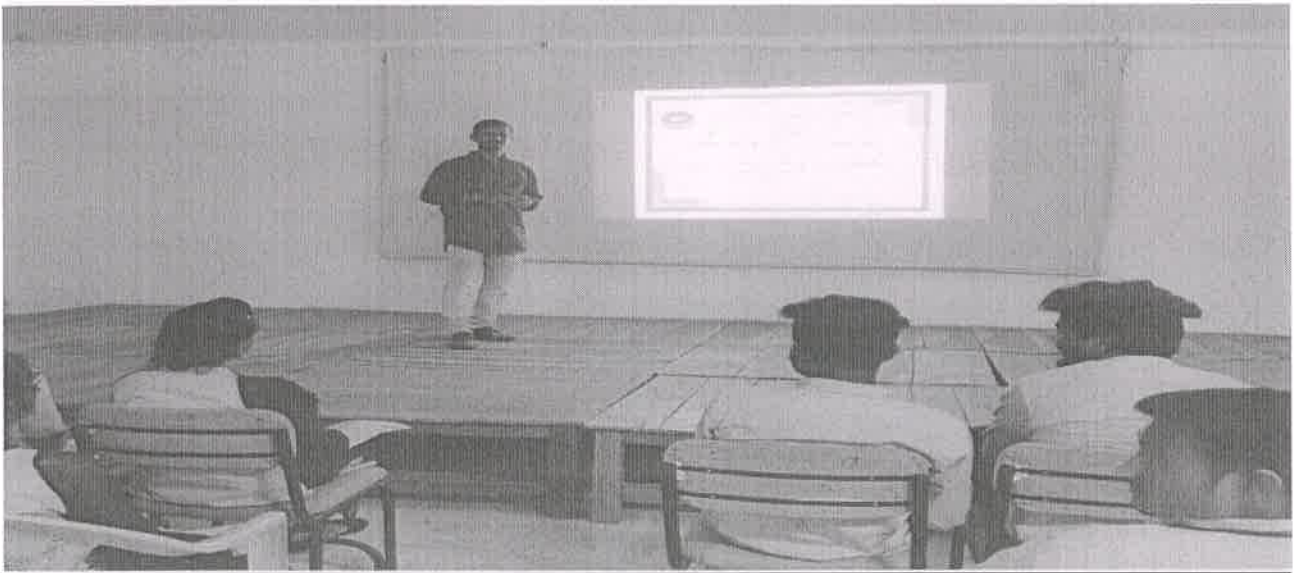
is to be communicated and when. It is also called as a Protocol. The fundamental characteristics that are important for the effective working of data communication process and is followed by the components that make up a data communications system are discussed.

Learning outcomes:

- Introduce students to the evolution of computer networks and the concepts data communication;
- Introduce students the general principles of network design and compare the different network typologies;
- Introduce students to the digital and analogue representations and channels;
- Describe the mechanism and techniques of encoding;
- Introduce students to the general principles of circuit and packet switching;
- Introduce students to the wireless Local Area Networks;

Provide students with in-depth knowledge of data link layer fundamental such as error detection, correction and flow control techniques; multiple access control techniques

PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr.NAGENDRA SINGH, Principal of Trinity College Of Engineering & Technology thanked the resource person and participants for making program successful.

Mahesh Ch.

CO-ORDINATOR


PRINCIPAL
Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



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Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 04-09-2018





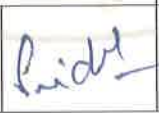
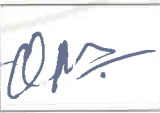

CIRCULAR

All the II, III & IV year B.Tech students of Electrical and Electronics Engineering are hereby informed that the Department of Electrical Engineering is organizing a A Two Week Certificate Program on "WIND POWER GENERATION SYSTEM USING WIND ENERGY " scheduled from 10-09-2018 To 24-09-2018. All the students are invited and advised to actively participate in the aforementioned certificate Program. Upon successful participation the students will be issued with participation certificate. 80% & above attendance is required for receiving the certificate. Interested students can enroll their names on or before 08-09-2018. For Further details, the students can contact the program coordinator Ms. M.Soumya,(9441305760) Assistant Professor, Department of EEE

The classes for the same will be conducted by. Mrs. A.SRILATHA, Assistant Professor, in EEE Department.


PRINCIPAL
Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

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TRINITY COLLEGE OF ENGINEERING AND TECHNOLOGY

BOMMAKAL, KARIMNAGAR

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**A TWO WEEK CERTIFICATE PROGRAM ON WIND POWER
GENERATION SYSTEM USING WIND ENERGY**

From (13-09-2021 to 25-09-2021)

DAY WISE SCHEDULE

Sl.no	Topic Name	Date of competition
1.	What wind power generation	10/09/2018
2.	WINDMILL DESIGN, Wind Turbines	11/09/2018
3.	Wind Turbine Generators small generators	12/09/2018
4.	Power of wind Costs from Wind Turbine	13/09/2018
5.	Wind power and the environment sound from wind Turbines	14/09/2018
6.	Striking Facts About Wind Energy Potential in the US	15/09/2018
7.	Types of Wind Turbines Typical WECS components	17/09/2018
8.	Turbine Blade-an Air Foil	18/09/2018
9.	Wind Energy conversion Systems	19/09/2018
10.	Vertical Axis Wind Turbines	20/09/2018
11.	Horizontal Axis Wind Turbines Number of Rotating	22/09/2018
12.	Gearless Variable Speed Synchronous Generator	24/09/2018

M. Sounya

CO-ORDINATOR

[Signature]
PRINCIPAL

Dr. Nagendra Singh
PRINCIPAL

Trinity College of Engineering & Technology
Karimnagar - 505 001



OBJECTIVE:

Wind farms are usually built to provide renewable energy to the electric power grid.

The amount of electricity a wind farm can produce depends on two primary factors: the average wind speed in the farm area and the total number of turbines installed at the site.

Both of these factors affect how much electricity a wind turbine can generate. The following are the Short Term and Long Term objectives of Wind Farms.

TOPICS TO BE COVERED

- ❖ WINDMILL DESIGN, Wind Turbine
- ❖ Wind Turbine Generators small generators large generators
- ❖ Power of wind
- ❖ Costs of a wind turbine
- ❖ Wind Power and the environment
- ❖ Sound from wind turbines

ABOUT THE PROGRAM:

The Wind Energy Technologies Office (WETO) works with industry partners to increase the performance and reliability of next-generation wind technologies while lowering the cost of wind energy. The office's research efforts have helped to increase the average capacity factor (a measure of power plant productivity) from 22% for wind turbines installed before 1998 to an average of nearly 35% today, up from 30% in 2000.

A TWO WEEK CERTIFICATE PROGRAM

ON

WIND POWER GENERATION SYSTEM USING WIND ENERGY

(10th Sep 2018 to 24th Sep 2018)

REGISTRATION FORM

1. Name:
2. Date of birth:
3. Gender :
4. Department:
5. Institution:
6. Mobile:
7. E-mail:

Date:

Signature:


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

**A TWO WEEK CERTIFICATE
PROGRAM FOR THE
STUDENTS OF
ELECTRICAL AND
ELECTRONICS ENGINEERING**

**ON
WIND TOWER GENERATION
SYSTEM USING WIND ENERGY**

(10th Sep 2018 to 24th Sep 2018)

**Organized by
Department of**

**ELECTRICAL AND ELECTRONICS
ENGINEERING**

NO REGISTRATION FEE

**TRINITY COLLEGE OF
ENGINEERING & TECHNOLOGY**

(Approved by All India Council for Technical Education)

Bypass Road near, Government Veterinary College, Karimnagar, India

<http://trinitycollege.edu.in>

ABOUT THE COLLEGE

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen...

ABOUT THE DEPARTMENT

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism. Electrical engineering is concerned with the basic forms of energy that run our world like Thermal, Nuclear, gas, hydro, solar, geothermal, wind and tidal energy. Electrical engineers deal with distributing these energies from their sources to our homes, factories, offices, hospitals, and schools. Electrical power is an integral part of modern life. It is impossible to visualize the world without electricity. There has been rapid advancement in generation, transmission and distribution technologies, opening up new frontiers.

CHIEF PATRON

Mr. D.MANOHAR REDDY

Founder of Trinity Educational
Institutions

PATRON

Mr. D.PRASANTH REDDY

Chairman of Trinity Educational
Institutions

PRINCIPAL

Dr. NAGENDRA SINGH

RESOURCE PERSON

Mr. A.SRILATHA

Assistant Professor

Mobile No. 8500313845
srilathaanagani@gmail.com

CONVENOR

S.SRIVIDYA

Assistant Professor

Mobile No. 9652141439

PROGRAM COORDINATORS:

M.SOUMYA

Assistant Professor

Mobile No. 9441305760

Margam.soumya93@gmail.com

Dr. Nagendra Singh
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Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



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COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUH & SBTET)

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SBTET-TS COLLEGE CODE : **488**
POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 26-09-2018

PROGRAM REPORT

Name of the Event: A Two Week Certificate program on “**WIND POWER GENERATION SYSTEM USING WIND ENERGY**”

Date: 10-09-2018 To 24-09-2018.

Resource Person: Mrs. A.SRILATHA

Asst. Prof., Dept. of EEE

Mobile No.8500313845

Email. Id: srilatha.anagoni@gmail.com

Name of the Co-ordinator: Ms. M.SOUMYA

Asst. Prof., Dept. of EEE

Mobile No. 9441305760

Email. Id: margam.soumya93@gmail.com

No. of Students attended:81

Venue: Seminar Hall, Block – 2

Trinity College of Engineering & Technology, Karimnagar, organized a certificate program on “**WIND POWER GENERATION SYSTEM USING WIND ENERGY**”

for B.Tech EEE students by the resource person Mr. A.SRILATHA. Totally 81 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

OBJECTIVES:

Short Term

1. The main objective of wind farms in the short term is to produce renewable energy power that homes and businesses can utilize.
2. Wind farms can also help offset the use of fossil fuels, such as coal and natural gas, used to generate electricity.
3. In addition, wind farms can provide a source of income for landowners and farmers who lease their land to developers.

Long Term

1. The long-term objective of wind farms is to help reduce the greenhouse gas emissions contributing to climate change.
2. Wind energy is a clean and renewable resource that does not emit carbon dioxide or other pollutants when it is generated.
3. By using wind farms to generate electricity, we can help reduce our reliance on fossil fuels and positively impact the environment.

LEARNING OUTCOMES:

1. The course imparts an ability to contribute to the complex task of windfarm project development.
2. Sound understanding of the various stages in project development.
3. Sound understanding of the role of contracts in project management, financing and risk management.
4. Quality assurance in project management.
5. Understanding of various processes involved in project management.


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr. NAGENDRA SINGH, Principal of TCTK thanked the resource person and participants for making program successful.

M. Soumya
CO-ORDINATOR

[Signature]
PRINCIPAL
Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



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POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 01-09-2018

CIRCULAR

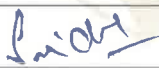


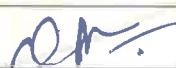

All the B.Tech students are hereby notified that the college is hosting A Two Week Certification Program on "THE UTILIZATION OF INDUSTRIAL ROBOTICS AND IOT TECHNOLOGIES" starting on 04-09-2018 to 17-09-2018. On or before 04-09-2018, the students must register their names to the coordinator mentioned below. Therefore, it is imperative that every student is present during Classes without fail.

Venue: LAB 105, BLOCK-1.

Coordinator: Mr.E.Kiran Asst. Professor
Dept. of CSE
Contact No :9963820261
Mail id:kiranmani2007@gmail.com


Principal
TRINITY College of
Engineering & Technology
KARIMNAGAR 505 001

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**TRINITY COLLEGE OF ENGINEERING AND TECHNOLOGY
KARIMNAGAR- 505001**

DAY WISE SCHEDULE ON
A TWO WEEK CERTIFICATE PROGRAM
“THE UTILIZATION OF INDUSTRIAL ROBOTICS AND IOT TECHNOLOGIES”
From (04-09-2018 to 17-09-2018),Dept. of CSE

S.No	Date	Topics
1	04-09-2018	ROBOTIC BEGINING ,BASICS OF ELECTRONICS & ELECTRICAL CONCEPTS
2	05-09-2018	RECTIFIER
3	06-09-2018	DESIGNING OF POWER SUPPLY & BOT
4	07-09-2018	INTRODUCTION TO IOT, ARCHITECTURE & SCOPE,IOT TECHNOLOGY
5	08-09-2018	PROGRAMMING
6	10-09-2018	PROGRAMMING
7	11-09-2018	PROGRAMMING
8	12-09-2018	IOT DEVICES TESTING
9	13-09-2018	CONCEPT OF SENSORS, INTERFACING WITH CONTROLLER
10	14-09-2018	ARDUINO ENVIRONMENT
11	16-09-2018	HARDWARE INTERFACING
12	17-09-2018	HARDWARE INTERFACING & ESP12/ESP32


CO-ORDINATOR


Dr. N. Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

ABOUT THE COLLEGE

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen...

ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering was established in the year 2008. The department offers UG course with an intake of 60 respectively. The department has excellent infrastructures facilities, well equipped laboratories and experienced faculty. Computer Science and Engineering is one of the largest and fastest growing fields of engineering. It covers a wide range of applications which make our life easier and enjoyable. Radio, television, telephones, computers, automobiles, life saving medical Equipment represent a mere sample in the wide spectrum of application of computers. Computer Science and Engineering are a crucial part of meeting this demand.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING A TWO CERTIFICATE PROGRAM ON

***“THE UTILIZATION OF INDUSTRIAL
ROBOTICS AND IOT TECHNOLOGIES”***

SEP 04 – SEP 17,2018

COURSE CONTENTS

- INTRODUCTION TO ROBOTIC
- ROBOT TYPES
- HISTORY OF ROBOT
- CONCEPT OF ELECTRONIC AND ELECTRICAL
- USES OF ELECTRONICS COMPONENTS

ORGANIZING COMMITTEE

CHIEF PATRON
SRI.D.MANO HAR REDDY
FOUNDER OF TRINITY
EDUCATIONAL INSTITUTIONS

PATRON
SRI.D.PRASHANTH REDDY
CHAIRMAN OF TRINITY
EDUCATIONAL INSTITUTIONS

PRINCIPAL
DR.NAGENDRA SINGH
RESOURCE PERSON

Mr.J.SHEKAR
Asst. prof, CSE Dept.
Trinity College of Engineering &
Technology,
Karimnagar-505001
Contact No: 9959120391
Mail id: shekarjakkula@gmail.com

CO-ORDINATOR
Mr.K.KIRAN
Asst. Prof, Dept. of CSE
Contact No: 9963820261
Mail id:kiranmani2007@gmail.com

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Trinity college of engineering &
technology,bommakal,Karimnagar-
5050001

Phone:9908612797
Mobile no:9959120391

Website:trinityengineering.edu


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

ABOUT THE PROGRAMME

It is possible by integrating IoT with industrial robots. The Internet of Robotic Things (IoRT) allows industries to use several robots for handling particular tasks and watch the statistics of each machine on a dedicated dashboard. By combining IoT with robotics, businesses can achieve industrial automation which, in turn, improves overall efficiency and cohesiveness..

Both, IoT devices and robots use sensors to understand their environment, process a large volume of data, and respond accordingly. However, unlike robots, IoT applications handle well-defined tasks. And that's why IoT can make robots more productive and efficient. By integrating IoT with industrial robots, it has become possible to continuously monitor and measure the performance of the robot for each cycle. The IoT-enabled robot can by itself collect all data of its sensors. An intelligent robot can either store or transmit live data.

THE OBJECTIVE

Today demand of IoT, Robotics is increasing globally and every industry is in need of IoT, Robotics and its applications. The career demand of IoT as job and start up also booming.

IoT has several applications such as:

- Consumer applications
- Organizational applications
- Industrial applications
- Infrastructure applications
- Military applications

- WORKING OF COMPONENTS
- RECTIFIER, TYPES & REQUIRED COMPONENTS
- POWER SUPPLY BOARDS

WHAT IS INTERNET OF IOT

- WHY IOT IS IMPORTANT
- APPLICATIONS OF IOT
- HOW IS IOT CHANGING THE WORLD
- IOT, CHARACTERISTICS & TECHNOLOGIES
- PROGRAMMABLE BOARDS

RESOURCE PERSONS

Sessions will be handled by senior academicians from reputed institutions.


NOTE : NO REGISTRATION FEE

ELIGIBILITY

The students pursuing II,III&IV YEAR of B.Tech of CSE Dept.

IMPORTANT DATES

Last date for registration: 04.09.2018


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

REGISTRATION FORM

CSE DEPARTMENT
JOINTLY ORGANISE
A TWO WEEK CERTIFICATE PROGRAM
ON
"THE UTILIZATION OF INDUSTRIAL
ROBOTICS AND IOT TECHNOLOGIES"
SEP 04-SEP 17,2018

Name:-----

Gender: Male Female

Qualification: -----

Designation: -----

Department:-----

College Name:-----

Address:-----

E-mail id:-----

Phone/Mobile:-----

Category : Student

Place:

Date:

Signature of the Participant

Estd : 2008



TRINITY

COLLEGE OF ENGINEERING & TECHNOLOGY

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Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 23-10-2018

PROGRAM REPORT

Name of the Event: A Two Week Certificate Program on "THE UTILIZATION OF INDUSTRIAL ROBOTICS AND IOT TECHNOLOGIES"

Date: 04-09-2018 to 17-09-2018.

Resource Person: Mr.J.SHEKAR

Asst. prof, CSE Dept
Trinity College of Engineering & Technology
Karimnagar-505001
Contact No: 9959120391
Mail id: shekarjakkula@gmail.com

Name of the Co-ordinator: Mr.E.KIRAN

Asst. Prof, Dept. of CSE
Contact No: 9963820261
Mail id:kiranmani2007@gmail.com

No. of Students Registered: 58

Venue: LAB 101, BLOCK-1.


Trinity College of Engineering & Technology, Karimnagar, organized A Two Week Certificate Program on "THE UTILIZATION OF INDUSTRIAL ROBOTICS AND IOT TECHNOLOGIES" for B.Tech II, III & IV YEAR students by resource person J.Shekar. Totally 58 students were participated in this program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

The worldwide necessity for IoT and robotics is growing, and every sector requires their implementation and applications. IoT is experiencing a surge in popularity as both a job opportunity and a sector for launching new businesses.

The Internet of Things (IoT) has various uses, including:

- Apps for consumers
- Applications for organizations.
- Industrial applications
- Infrastructure applications
- Military applications


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TRINITY College of
Engineering & Technology
KARIMNAGAR 505 001

Near By-Pass Flyover, Bommakal. **KARIMNAGAR. TELANGANA STATE - 505 001.**

Learning outcomes:

- Robotic Beginning
- Basics of Electronics & Electrical Concepts
- Rectifier
- Designing Of Power supply & Bot
- Introduction to IoT
- IoT Technology
- Architecture & Scope
- Applications of IOT
- Programming
- Concept of Sensors Interfacing with Controller
- Arduino environment
- Hardware Interfacing & ESP12/ESP32
- IoT Devices Testing
- Autonomy Coding
- Rectifier, Types & Required Components

PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr.Nagendra Singh, Principal of Trinity College Of Engineering & Technology thanked the resource person and participants for making program successful.


CO-ORDINATOR


PRINCIPAL
TRINITY College of
Engineering & Technology
KARIMNAGAR 505 001

Estd : 2008



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POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 03-08-2018

CIRCULAR

All the MBA students are hereby notified that the college is hosting "A **TWO WEEK CERTIFICATE PROGRAM ON STRATEGY AND SUSTAINABLE DEVELOPMENT**" in starting on 06-08-2018 to 20-08-2018. The students must register their names on or before 06-08-2018 to the coordinator mentioned below. Therefore, it is imperative that every student is present during classes without fail.

Venue: Seminar Hall, BLOCK-II.

Program Coordinator :





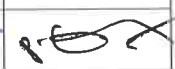
Mrs. D. Rajitha
Asst. Professor MBA Dept
Mail ID: rajithadornala@gmail.com
Contact: 9490287250


PRINCIPAL

Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

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**TRINITY COLLEGE OF ENGINEERING AND TECHNOLOGY
KARIMNAGAR- 505001**

**DAY WISE SCHEDULE ON
A TWO WEEK CERTIFICATE PROGRAM
“STRATEGY AND SUSTAINABLE DEVELOPMENT” (06-08-2018 to 20-08-2018)**

S. No	Date	Topics to be covered	Contents
1	06-08-2018	Introduction	concepts of Strategy Sustainable Development Emphasis on United Nations Sustainable Development Goals
2	07-08-2018	Concepts of strategy	Fundamentals New Age Directions Case Study R research in Strategy
3	08-08-2018	Differentiation	Different mathematical Concepts overview The end of organic
4	09-08-2018	Government and regulation	Review of Environmental Economics and Policy
5	10-08-2018	Research Agenda	Understanding of linkage between Strategy and Sustainable Development
6	11-08-2018	Types of Research	Designs(Pure versus Applied Research) Strategic themes in Qualitative Inquiry Qualitative Enquiry Frame works
7	13-08-2018	Methods	Appreciative Inquiry Method Theoretical Construct
8	14-08-2018	Introduction to Action research	Introduction to Action research in the field of Strategy and Sustainable Development
9	16-08-2018	Embedding Modern Technologies	Embedding Modern technologies for their search in Strategy and Sustainable Development
10	17-08-2018	Contemporary Issues	Contemporary Issues Sustainable Development


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11	18-08-2018	Communication, Performance	Communication Commitment Performance
12	20-08-2018	Environment	Economic Environment Social and Cultural Environment


COORDINATOR


PRINCIPAL
Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

**ORGANIZING COMMITTEE:
CHIEF PATRON:**

D.MANO HAR REDDY

**FOUNDER OF TRINITY EDUCATIONAL
INSTITUTIONS**

PATRON: D.PRASHANTH REDDY

**CHAIRMAN OF TRINITY EDUCATIONAL
INSTITUTIONS**

PRINCIPAL: Dr. NAGENDRA SINGH

RESOURCE PERSON:

Dr G SANTHOSHI

Asst. Professor MBA Dept

Mail ID: santhoshigundi123@gmail.com

Contact: 7032040382

TCTK,KARIMNAGAR

PROGRAM COORDINATORS:

Mrs. D. Rajitha

Asst. Professor MBA Dept

Mail ID: rajithadornala@gmail.com

Contact: 9490287250

TCTK,KARIMNAGAR

**TRINITY
COLLEGE OF ENGINEERING &
TECHNOLOGY**

**A Two Week Certificate Course
programme**

**On
STRATEGY & SUSTAINABLE DEVELOPMENT
(06-08-2018 to 20-08-2018)**

REGISTRATION FORM

Participant name:.....

Class/year:.....

Contact number:.....

Email Id:

**I Depute Mr./Ms. /I am interested to
participate in the above program.**

Date:

PARTICIPANT SIGN

**A Two Week Certificate Course programme
On
STRATEGY & SUSTAINABLE
DEVELOPMENT**



(06-08-2018 to 20-08-2018)

Organised By

**Department Of MBA
TRINITY COLLEGE OF ENGINEERING
AND TECHNOLOGY
BOMMAKAL, KARIMNAGAR
(Approved by AICTE, New Delhi, Affiliated
to JNTUH)**

**Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001**

ABOUT THE COLLEGE

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen...

ABOUT THE DEPARTMENT:

The department offers soft-skills, case-studies, group discussions, expert Professional-Guest & Technical Lectures and Industrial Tours & Visits in addition to their curriculum which in-turn provide, rich professional experience which will be helpful in their professional career and stimulate simulative behavior in their employment career. In the face of present global recession especially in the IT sector resulting in crippling career opportunities since September 2008, a vulnerable necessity has arisen to all the graduates and post graduates in technical education to develop knowledge, skills and ability in the field of management to outshine in the changing global environment. Further, the management course has its stand at the helm as any position in the career finally culminates in administration of management.

TOPICS TO BE FOCUSED ON

The following are the topics which will be covered and resource person

Date & Time	Topic	Resource person
06-08-2018 to 20-08-2018	Strategy & sustainable development	G. SANTHOSHI Assoc.Prof.

Strategic Management Analysis
Organizational Strategies
Current Business Environment
Company Situations
Creative Solutions
HRM function
Organization's Strategy
Task Difficulties
Prior Based Techniques
Types of Standards
Motivational Tricks
Communication
Commitment Performance
Examples

Eligibility and registration

All the MBA students are eligible to participate.

The filled in Registration form submit to the coordinator.


OTHER CONDITIONS

- Participants will be provided with course material
- Participants will be provided certificates for attending the certificate course programme
- Participants come with their college id card to programme

IMPORTANT CONTACT NUMBERS

1. Mrs D. RAJITHA (Co-Ordinator)
Asst. Professor MBA Dept
Mail ID: rajithadornala@gmail.com
Contact: 9490287250
TCTK, KARIMNAGAR

2. Mr Md. ILLIAS ALI (Faculty)
Asst. Professor MBA Dept
Mobile no: 9848474596


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



TRINITY

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to JNTUH & SBTET)

JNTUH COLLEGE CODE : **UE**
SBTET-TS COLLEGE CODE : **488**
POLYCET, EAMCET, ECET & ICET CODE : **TCTK**
Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 23/08/2018

PROGRAM REPORT

Name of the Event: "A TWO WEEK CERTIFICATE PROGRAM ON STRATEGY AND SUSTAINABLE DEVELOPMENT" Date: 06-08-2018 to 20-08-2018.

Resource Person :

Dr G SANTHOSHI
Asst. Professor MBA Dept
Mail ID: santhoshigundi123@gmail.com
Contact: 7032040382
TCTK, KARIMNAGAR

Program Coordinator :

Mrs. D. Rajitha
Asst. Professor MBA Dept
Mail ID: rajithadornala@gmail.com
Contact: 9490287250


No. of Students Registered: 91

Venue: SEMINAR HALL, BLOCK-II.

Trinity College of Engineering & Technology, Karimnagar, organized "A TWO WEEK CERTIFICATE PROGRAM ON STRATEGY AND SUSTAINABLE DEVELOPMENT" for MBA students by resource person Mrs. Dr G SANTHOSHI. Totally 91 students were participated in this training program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

In simple terms, sustainable development means integrating the economic, social and environmental objectives of society, in order to maximize human well-being in the present without compromising the ability of future generations to meet their needs. This means seeking mutually supportive approaches whenever possible, and making trade-offs where necessary. The pursuit of sustainable development thus requires improving the coherence and complementarity of policies across a wide range of sectors, to respond to the complex development challenges ahead.


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Near By-Pass Flyover, Bommakal. **KARIMNAGAR. TELANGANA STATE - 505 001.**

Learning outcomes:

- Introduction
- Extreme poverty
- Political instability
- Environmental deterioration
- The threat of climate change
- Natural resource depletion
- Biodiversity
- Marginalisation
- Sustain a growing population
- Food insecurity
- Global Economy
- Different socio-economic groups
- Policy formulation
- Monitoring progress
- poverty reduction strategies

- sustainability dimensions
- comprehensive review
- Standards of Developments

PHOTO:



This course was very useful to the students and their feedback is positive. The management and of Trinity College of Engineering and Technology Congratulated the resource person and participants for making program successful.

CO-ORDINATOR

HOD

Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



TRINITY

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Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 27-07-2018

CIRCULAR

It is here by knowledgeable to all B.Tech II,III & IV YEAR students that our college is conducting A Two Week Certificate Program on "ARDUINO APPLICATION DEVELOPMENT" from 30-07-2018 to 11-08-2018. All the college students register their names to coordinator listed below on before 30-07-2018. Hence; all the college students are hereby informed to attend the training program without fail.

Venue: LAB 101, BLOCK-1

Co-Ordinator: Mr.P.Srinivas

Asst.Prof,Dept. of CSE

Contact No:9618202012

Mailid:srinivasp123@gmail.com

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Trinity College of Engineering & Technology
Karimnagar - 505 001

Copy to:

The All HOD's

Notice boards

CSE	ECE	EEE	MBA	H&S

**TRINITY COLLEGE OF ENGINEERING AND TECHNOLOGY
KARIMNAGAR- 505001**

DAY WISE SCHEDULE ON
A TWO WEEK CERTIFICATE PROGRAM ON
“**ARDUINO APPLICATION DEVELOPMENT**”
From(30-07-2018 to 10-08-2018),Dept. of CSE

S.No	Date	Topics
1	30-07-2018	Arduino Overview and History
2	31-07-2018	Arduino Stack
3	01-08-2018	SDK Overview Hello World App
4	02-08-2018	Main Building Blocks
5	03-08-2018	Basic Arduino User Interface
6	04-08-2018	Basic Arduino User Interface
7	06-08-2018	Basic Arduino User Interface
8	07-08-2018	Arduino system Overview Advanced UI
9	08-08-2018	Multimedia in Arduino, Networking,Sensors, WiFi
10	09-08-2018	SQL Database
11	10-08-2018	Basic Content Providers Custom Content Providers
12	11-08-2018	Location Based Services and Google Maps Services Broadcast Receivers

P. S. S.
CO-ORDINATOR

M. S.
Dr. Narendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

ABOUT THE COLLEGE

Trinity College of Engineering & Technology has been structured to take head on the changing trends of technology. The idea of setting up the college emerged when no other college could cater to the needs of a student in his/her Endeavor to acquire wholesome education. The very strength of Trinity lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen...

ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering was established in the year 2008. The department offers UG course with an intake of 60 respectively. The department has excellent infrastructures facilities, well equipped laboratories and experienced faculty. Computer Science and Engineering is one of the largest and fastest growing fields of engineering. It covers a wide range of applications which make our life easier and enjoyable. Radio, television, telephones, computers, automobiles, life saving medical Equipment represent a mere sample in the wide spectrum of application of computers. Computer Science and Engineering are a crucial part of meeting this demand.

ORGANIZING COMMITTEE CHIEF PATRON

SRI.D.MANO HAR REDDY
FOUNDER OF TRINITY
EDUCATIONAL INSTITUTIONS
PATRON

SRI.D.PRASHANTH REDDY
CHAIRMAN OF TRINITY
EDUCATIONAL INSTITUTIONS
PRINCIPAL

DR.NAGENDRA SINGH

RESOURCE PERSON

Mr. J.SHEKAR
Asst.prof ,Dept. of CSE
Trinity College of Engineering
& Technology,
Contact No: 9959120391
Mail id: shekarjakkula@gmail.com

CO-ORDINATOR

Mr. P.SRINIVAS
Asst.prof, Dept. of CSE
Contact No: 9618202012,
Mail id: srinivasp123@gmail.com

Address for communication:

**Trinity College Of Engineering &
Technology,**
Near by-pass flyover,
bommakal,Karimnagar-5050001
Phone:9030451394
Website:trinityengineering.edu.in



**DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING**
**A TWO WEEK CERTIFICATE
PROGRAM ON**
**“ARDUINO APPLICATION
DEVELOPMENT”**

30-07-2018 to 11-08-2018

IMPORTANT DATES

Last date for registration:30.07.2018

Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

CSE DEPT ORGANIZE

A TWO WEEK CERTIFICATE PROGRAM AND TRAINING ON "ARDUINO APPLICATION DEVELOPMENT"

JULY 30- AUG 11 , 2018
REGISTRATION FORM

Name:-----

Gender: Male Female

Qualification: -----

Designation: -----

Department:-----

College Name:-----

Address:-----

E-mail id:-----

Phone/Mobile:-----

Place:

Date:

Signature of participant :

ABOUT THE PROGRAMME

Advanced arduino Internship is taking cell utility improvement to the subsequent level. You will analyze how to create customized widgets, create animations, work with camera, use sensors, create and use superior content Material vendors and a lot more. The route goes into checking out and deployment of arduino purposes as well. This entire hands on direction encourages college students to analyze with the aid of construction more and greater sophisticated and significant cell purposed for arduino.

THE OBJECTIVE

Designing UI and grasp how arduino functions work, their lifestyles cycle , happen Intents and the use of exterior sources for arduino Application. Use arduino's verbal exchange APIs for SMS, telephony, community management and web assets (HTTP).

Build entire assignment from listing of chosen topics of your choice. This direction is designed for software program builders in designing, creating, deploying and checking out purposes for ARDUINO cellphone platform.

COURSE CONTENTS

- Arduino Overview and History
- Arduino Stack
- SDK Overview
- Hello World App
- Basic Arduino User Interface
- Main Building Blocks
- Advanced UI
- Arduino system Overview
- Multimedia in Arduino
- SQL Database
- Basic Content Providers
- Location Based Services and Google Maps
- Services
- Broadcast Receivers
- Networking
- Sensors , Wi-Fi

REGISTRATION DETAILS

No registration fee

ELIGIBILITY

The participants should be pursuing II, III & IV Year students.


Dr. Nagendra Singh
PRINCIPAL

Trinity College of Engineering & Technology
Karimnagar - 505 001

Estd : 2008



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Office : **9030451394**
Email ID : **trinity.tctk@gmail.com**
Website : **www.trinityengineering.edu.in**

Date: 14-08-2018

PROGRAM REPORT

Name of the Event: A Two Week Certificate Program on “**ARDUINO APPLICATION DEVELOPMENT**”.

Date: 30-07-2018 to 11-08-2018.

Resource Person: Mr.J.SHEKAR(Asst.prof)
Dept. of CSE
Trinity College Of Engineering & Technology
Contact No: 9959120391
Mail id: shekarjakkula@gmail.com

Name of the Coordinator: Mr.P.Srinivas
Asst.Prof, Dept.ofCSE
Contact No: 9618202012
Mail id: sri23131@gmail.com


No. of Students attended: 67

Venue: LAB 101, BLOCK-1.

Trinity College of Engineering & Technology, Karimnagar, organized A Two Week Certificate Program on “**ARDUINO APPLICATION DEVELOPMENT**” for B.Tech II,III & IV Year students by the resource person Mr.J.Shekar.Totally 67 students were participated in this program and after the completion of the program they were able to understand the following objectives and learning outcomes.

Objectives:

Designing UI and grasp how android functions work, their lifestyles cycle, happen Intents, and the use of exterior sources for android Application. Use android 's verbal exchange APIs for SMS,telephony, community management, and web assets (HTTP).Secure, tune, package, and install android application. Build entire assignment from listing of chosen topics of your choice. This direction is designed for software program builders fascinated in designing, creating, deploying, and checking out purposes for the android cell, cell phone platform.


Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001

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Learning outcomes:

- Arduino Overview and History
- Arduino Stack
- SDK Overview
- Hello World App
- Basic Arduino User Interface
- Main Building Blocks
- Advanced UI
- Arduino system Overview
- Multimedia in Arduino SQL Database
- Basic Content Providers
- Location Based Services and Google Maps
- Services
- Broadcast Receivers
- Intent Filters
- Networking
- Sensors ,Wi-Fi
- Telephony ,Camera

PHOTO:



This course was very useful to the students and their feedback is positive. The management and Dr.Nagendra Singh, Principal of Trinity College of Engineering & Technology thanked the resource person and participants for making program successful.

P. S. S. S.
CO-ORDINATOR

Dr. Nagendra Singh
PRINCIPAL
Trinity College of Engineering & Technology
Karimnagar - 505 001