



# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

Kondapur(V), Ghatkesar(M), Medchal(Dist)




## DEPARTMENT OF CIVIL ENGINEERING

### CIRCULAR

Date: 26/10/2021


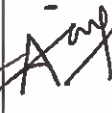




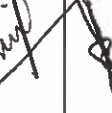

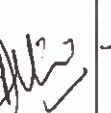
All the students are hereby informed that the Department of Civil Engineering is organizing "A Two Week Certificate Program on Recent Trends in Geotechnical Practices" scheduled from 02/11/2021 to 16/11/2021 at 04:30 PM to 06:30 PM. All the students are invited and advised to actively participate in the aforementioned certificate program. Upon successful participation, the students will be issued with participation certificates. 80% of attendance is required for receiving the certificate. Interested students can enrol their names on or before 28/10/2021. For details, students can contact the Program Coordinator Ms. V.Srujana.

**Note: Bus Facility will be provided upto Uppal X Roads.**

  
HOD-CE

**Copy to:**

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

IQAC	CE	EEE	ME	ECE	CSE	H & S	MBA	AO
								

  
**Principal**

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

A TWO WEEK CERTIFICATE PROGRAM ON  
**RECENT TRENDS IN GEOTECHNICAL PRACTICES**

02-11-2021 to 16-11-2021



Organized by

**DEPARTMENT OF CIVIL ENGINEERING AND TECHNOLOGY**  
Samskruti College of Engineering and Technology  
Kondapur (V), Ghattkesar (M), Medchal (Dist), Telangana-501301

**PROGRAMME OBJECTIVES**

The course relates to the fundamentals related to engineering behavior of the earth and its materials. As a branch of civil engineering it is of great importance to construction activities taking place on the surface or within the ground, as well as to mining, coastal, drilling and other disciplines. Geotechnical engineers are responsible for evaluating subsurface and soil conditions and materials, using the principles of soil and rock mechanics

**Outcomes of the Program**

1. Understand the basic concepts of geotechnical engineering in general.
2. Characterize and classify the properties of soils.
3. Able to analyze the seepage, stresses under various loading conditions and compaction characteristics.
4. Able to analyze the compressibility of the soils.
5. Able to understand the strength of soils and consolidation properties of soils under various

**RESOURCE PERSON**

**Dr. M. PADMAVATHI**

B. Tech, M. Tech, Ph. D

Associate Professor & Co-ordinator, BICS

MIGS, MISSMGE

Department of Civil Engineering

JNTUH College of Engineering,

Kukatpally, Hyderabad - 500072.

Mobile: +91-9866814305;

Email: mpadmace@gmail.com

**ORGANIZING COMMITTEE**

**Sri. A. V. Ramana Reddy**

Chairman

**Sri. M. Rajendra Krishna**

Secretary

**Dr. M. Ramakanth Reddy**

Director

**Dr. J. Govardhan**

Principal

**Dr. C. S. C. Devadas**

HOD, Dept. of CE

Principal

of Engg. & Technology  
Kondapur (V), Ghattkesar (M), Medchal (Dist)

Convener

**Ms. V. Srujana**

Asst. Professor, Dept. of CE

**About the Institute:**

Samskruti College of Engineering and Technology (SCET) is a pioneer of quality education. The institute established in the year 2005. SCET is tirelessly engaged in imparting quality education.

The institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

**About Department**

Civil engineering has the potential to build a strong economy and so more multinational companies and engineers are showing their interests to be involved with this industry. Civil engineering industry focuses areas like soil mechanics, surveying and material sciences. Civil engineering specifically deals with the activities of designing and construction of structures like dams, bridges, canals, harbors, roads, tunnels, and water-supply systems, power plants, aircraft, water treatment plants etc.

Civil Engineering is a broad field of Engineering that deals with the needs of the society around the globe has created a lot of scope for the Civil Engineering professionals. Civil Engineering is a Professional engineering discipline and it is the Mother branch of Engineering that deals with the design, construction and maintenance of the physical and naturally built environment, including works such as bridges, roads, canals, dams and buildings. It is traditionally broken into several sub-disciplines including Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering, Coastal Engineering, Surveying, and Construction Engineering.

The Department of Civil Engineering was established in the year 2009. The Department offers a four-year UG course leading to B.Tech.. The department organizes various seminars, workshops, industrial training to the students to create awareness on real time works.

The department creates a platform for faculties



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## DEPARTMENT OF CIVIL ENGINEERING

Dt: 18/11/2021

### PROGRAM REPORT

o **Title of the Certification Programme:**

“A Two Week Certificate Program on Recent Trends in Geotechnical Practices”

o **Date:**

02/11/2021 to 16/11/2021.

o **Duration:**

Two Weeks.

o **Resource Person Details:**

**Dr. M. PADMAVATHI**

B. Tech, M. Tech, Ph. D

Associate Professor & Co-ordinator, BICS  
MIGS, MISSMGE

Department of Civil Engineering  
JNTUH College of Engineering,  
Kukatpally, Hyderabad – 500072.

Mobile:+91-9866814305;

Email: mpadmace@gmail.com

o **Program Co-ordinator :**

**V.SRUJANA**

o **Number of Students Participated:** 67

o **Objective of the Program:**

The course relates to the fundamentals related to engineering behavior of the earth and its materials. As a branch of civil engineering it is of great importance to construction activities taking place on the surface or within the ground, as well as to mining, coastal, drilling and other disciplines. Geotechnical engineers are responsible for evaluating subsurface and soil conditions and materials, using the principles of soil and rock mechanics

o **Outcomes of the Program:**

1. Understand the basic concepts of geotechnical engineering in general.
2. Characterize and classify the properties of soils.
3. Able to analyze the seepage, stresses under various loading conditions and compaction characteristics.
4. Able to analyze the compressibility of the soils.
5. Able to understand the strength of soils and consolidation properties of soils under various conditions.

o **Contents:**

1. Introduction of soil engineering and geotechnical engineering
2. Water content determination
3. Particle size analysis

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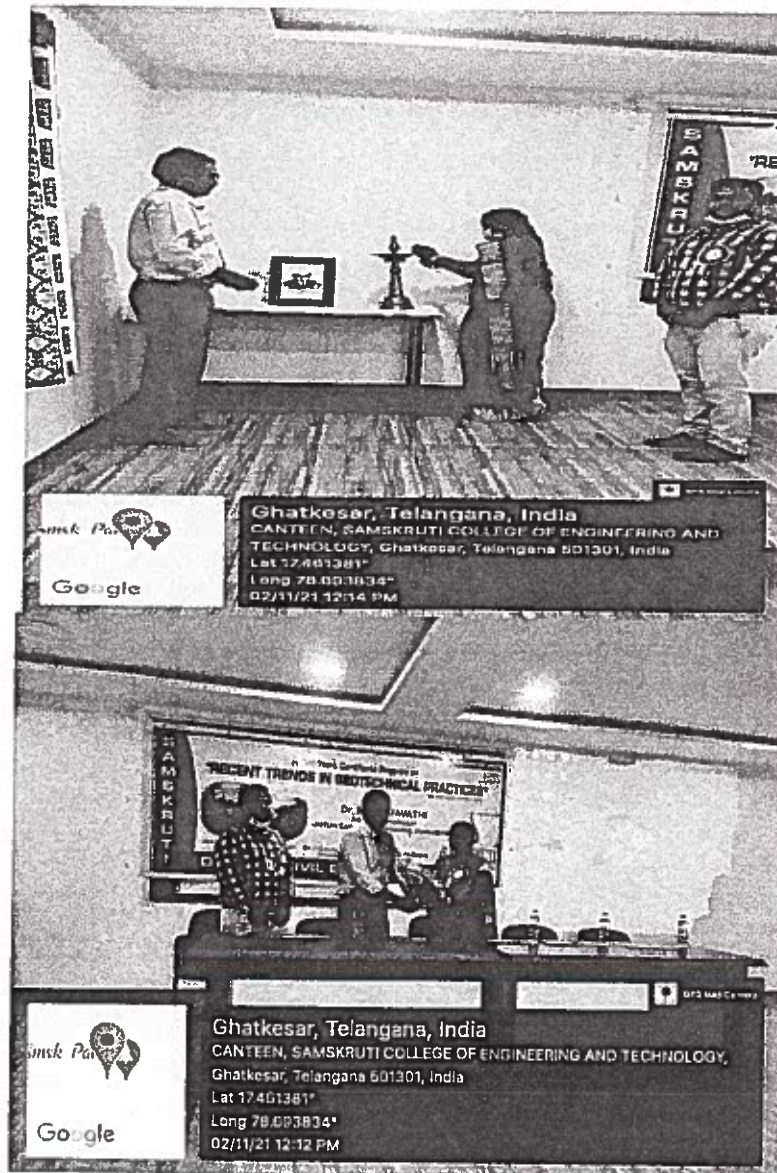
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4. Plasticity characteristics of soils
5. Soil Classification
6. Capillary water
7. Permeability of soils
8. Effective stress principle
9. Stresses due to applied load
10. Consolidation of soils
11. Shear strength
12. Compaction of soils
13. Soil stabilization
14. Site Investigations

Photographs:



*B*  
Principal

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*Sanjana*  
Coordinator

*Anil*  
HOD

*Principal*  
Principal  
Samskruti College of Engg. & Technology  
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## DEPARTMENT OF CIVIL ENGINEERING

### A TWO WEEK CERTIFICATE PROGRAM ON RECENT TRENDS IN CIVIL ENGINEERING

#### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	<b>Introduction:</b> Definition of soil engineering and geotechnical engineering, scope of engineering and origin of soils.
DAY2	<b>Water content determination:</b> Oven drying method, Torsion Balance method, Pycnometer method, Sand bath method, Alcohol method, Calcium carbide method and Radiation method.
DAY 3	<b>Particle size analysis:</b> Engineering properties and Index properties. Mechanical analysis and sieve analysis, Particle size distribution curve.
DAY 4	<b>Plasticity characteristics of soils:</b> Plasticity of soils, consistency limits i.e., Liquid limit, plastic and shrinkage limit.
DAY 5	<b>Soil Classification:</b> Particle size classification, Textural classification, AASHTO classification, Unified soil classification system, Indian standard classification system, Boundary classifications.
DAY 6	<b>Capillary water:</b> Surface tension, capillary tension, capillary rise in soils, capillary tension during drying and wetting of soils, Factors affecting soil suction.
DAY 7	<b>Permeability of soils:</b> Hydraulic head, Darcy's law, determination of coefficient of permeability, seepage velocity, factors affecting permeability of soils, permeability of
DAY 8	<b>Effective stress principle:</b> Importance of effective stress, Nature of effective stress, effect of water table fluctuations on effective stress, seepage pressure, Quick sand conditions, seepage pressure approach in quick conditions, effect of surcharge and submergence on quick conditions.
DAY 9	<b>Stresses due to applied load:</b> Stress strain parameters, geostatic stresses, vertical stresses due to a concentrated load and circular load, pressure bulb, vertical stresses distribution on a horizontal plane and vertical plane, Newmarks influence charts.

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DAY 10	<b>Consolidation of soils:</b> Initial, primary and secondary consolidation, behavior of saturated soils under pressure, consolidation test, consolidation test results, coefficient of compressibility, volume change, compression index and expansion Index, Recompression Index, Normal consolidated and over- consolidated clays, sand drains and underconsolidated clays.
DAY 11	<b>Shear strength:</b> Mohr's circle, Important characteristics of Mohr's circle, Mohr-coulomb theory, different types of tests and drainage conditions, mode of application of shear force.
DAY 12	<b>Compaction of soils:</b> Standard proctor test, Modified proctor test, Factors affecting compaction, Effects of compaction on properties of soils, methods of compaction used in field, Compaction control, vibrofloatation method .
DAY 13	<b>Soil stabilisation:</b> Mechanical stabilisation, cement stabilisation, Lime stabilisation, Bituminous stabilisation, Chemical stabilisation, Thermal stabilisation, Electrical stabilisation, Stabilisation by grouting, stabilisation by geotextile and fabrics, reinforced earth.
DAY 14	<b>Site Investigations:</b> Planning a subsurface exploration programme, stages in sub- surface explorations, Reconnaissance, Depth of exploration, Borings for exploration, types of soil samples, standard penetration tests, cone

  
COORDINATOR

  
HOD

  
Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist





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## Certificate

This is to certify that Mr. /Ms. S Rachana a student of III/ IV year,  
S/o, D/o Sri. S chandrashekhar reddy Department has Participated  
Roll No. 19UISA0168 in Civil Engineering  
in " A Two Week Certificate Program on Recent Trends in Geotechnical Practices",

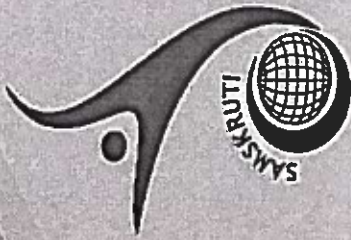
Dated: 02/11/2021 to 16/11/2021.

  
**Ms V. Srujana**  
Convener

  
**Principal**  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

  
**Mr P. Avibash**  
HOD





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## Certificate

This is to certify that Mr. /Ms.

**K Bharath**

S/o, D/o Sri.

**K Ganesh**


a student of III/ IV year,

Roll No. **20VISA0138** in **Civil Engineering** Department has Participated

in " A Two Week Certificate Program on Recent Trends in Geotechnical Practices",

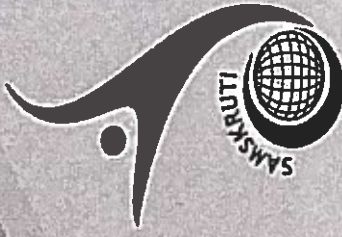
Dated: 02/11/2021 to 16/11/2021.

  
**Ms. V. Srujana**  
Convenor

  
**Principal**  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.,

  
**Mr. P. Avinash**  
HOD





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## Certificate

This is to certify that Mr. /Ms. G Chaitanya a student of III/ IV year,  
S/o, D/o Sri. G Ramachander in Civil Engineering Department has Participated  
Roll No. 20VISA0103 in Civil Engineering Department has Participated  
in " A Two Week Certificate Program on Recent Trends in Geotechnical Practices",

Dated: 02/11/2021 to 16/11/2021.

  
**Ms V. Srujana**  
Convenor

  
Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

  
MR P. AVIJBAS  
HOD





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## Certificate

This is to certify that Mr. /Ms.

S/o, D/o Sri. S. Srinivas

S. Swetha


a student of III/ IV year,

Roll No. 20VISA0109 in Civil Engineering Department has Participated

in " A Two Week Certificate Program on Recent Trends in Geotechnical Practices",

Dated : 02/11/2021 to 16/11/2021.

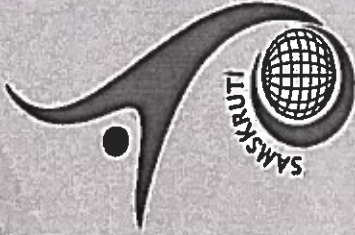
  
**Ms. V. Srujana**  
Convener

  
Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

  
Mr. P. Avipash  
HOD





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## Certificate

This is to certify that Mr. /Ms.

*G. Srinivas*

S/o, D/o Sri.

*G. Raju*

a student of III/ IV year,

Roll No. **19VISA0133**

in **Civil Engineering**

Department has Participated

in " A Two Week Certificate Program on Recent Trends in Geotechnical Practices",

Dated : 02/11/2021 to 16/11/2021.

*Ms V. Srujana*  
Convener

*Principal*  
Samskruti College of Engg. & Technology  
Kondapur (M), Ghatkesar (M), Medchal Dist.

*Mr P. Avinash*  
HOD





**SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY**  
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**CIRCULAR**

Date: 15-11-2021






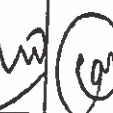
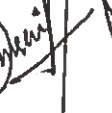
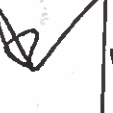

All the students are hereby informed that the Department of Electrical & Electronics Engineering is organizing "A TWO WEEK CERTIFICATE PROGRAMME ON PCB DESIGN FOR ELECTRICAL & ELECTRONICS APPLICATIONS" scheduled from 25<sup>th</sup> November to 6<sup>th</sup> December 2021. All the students are invited and advised to actively participate in the aforementioned certificate program. Upon successful participation, the students will be issued with participation certificates, 80% Attendance is required for receiving the Certificate. Interested students can enroll their names on or before 18-11-2021. For details, Students can contact K.Sridhar Event coordinator.

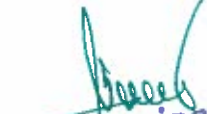
Note: Bus facility will be provided upto Uppal X Roads.

  
HOD-EEE

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2. Principal's Office

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Principal  
Samskruti College of Engg. & Technology  
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### About the Institute:

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### About Department:

Electrical and Electronics Engineering (EEE) is a branch of science which deals with the applications of Electricity, Electronics, and Electromagnetism. Electrical and Electronic Engineers harness one of the fundamental forces of the universe, electromagnetism, for the benefit of the world. Electrical Engineers create systems to provide power for homes and industry. It focuses on giving students practical training to work in laboratories, project and group work. These engineers are responsible for design, developing and testing electrical equipment.

The Department of ELECTRICAL AND ELECTRONICS ENGINEERING was established with the outset of the institution in 2006 with an intake of 60 B.Tech. The two year M.Tech course has been started in 2011 with Electrical Power Systems as specialization with an intake of 18 students. The Department of EEE in Samskruti, with its epoxy team of faculty members, imparts education to bachelors (B.Tech - ELECTRICAL AND ELECTRONICS ENGINEERING), Masters (M.Tech - Electrical Power Systems). The tasks of today's electrical engineers are versatile. All areas of life are affected by Electrical Engineering. The Department regularly organizes seminars, workshops, and guest lecturers for the students. Faculty Development Programs (FDP) are organized for faculty to promote high standards in technical education.

### RESOURCE PERSON

**Mr. P. Surender babu**

Head of Operations TIL Group, Hyderabad  
Mobile: 9100447799  
Email: surendra156@gmail.com

### ORGANIZING COMMITTEE

**Sri. A. V. Ramana Reddy**  
Chairman

**Sri. M. Rajendra Krishna**  
Secretary

**Dr. M. Ramakanth Reddy**  
Director

**Dr. J. Goverdhan**  
Principal

**Mr. A. Suresh Kumar**  
HOD, Dept. of EEE

### CO-ORDINATOR

**K. Sridhar**  
Convener, Dept. of EEE

**NAAC**

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



*Alex*  
**Principal**

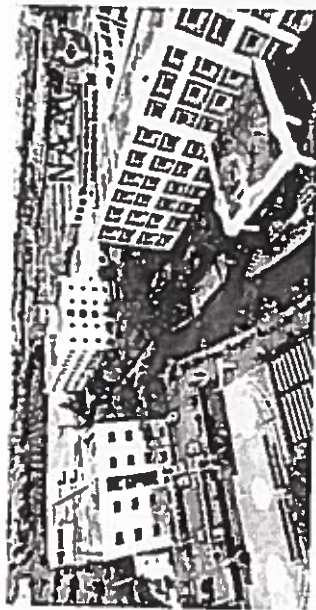
Samskruti College of Engg. & Technology  
Imparting Quality Education  
Prof. V. Venkateswar (M) Medchal Dist  
Last date for registration : 12-10-2021



A TWO WEEK CERTIFICATE PROGRAM ON  
**DESIGN FOR ELECTRICAL**

**&  
ELECTRONICS APPLICATIONS**  
Dt: 25/11/2021 to 06/12/2021

Organized by  
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING  
SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar(M), Medchal (Dist), Telangana-501301



**SAMSKRUTI  
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Visit us: www.samskruti.ac.in, email: info@samskruti.ac.in



### PROGRAMME OBJECTIVES

A minimal PCB for a single component, used for prototyping, is called a breakout board. The purpose of a breakout board is to "break out" the leads of a component on separate terminals so that manual connections to them can be made easily. Breakout boards are especially used for surface-mount components or any components with fine lead pitch. Advanced PCBs may contain components embedded in the substrate, such as capacitors and integrated circuits, to reduce the amount of space taken up by components on the surface of the PCB while improving electrical characteristics

### Outcomes of the Program

More efficient Printed Circuit Board (PCB) is very important in all electronic gadgets, which are used either for domestic use, or for industrial purpose. PCB design services are used to design the electronic circuits. PCBs are the core component in almost all the electronic gadgets including the cell phones and the computers and laptops





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Kondapur(V), Ghatkesar(M), Medchal(Dist)



## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:10-12-2021

### PROGRAMME REPORT

○ *Title of the Certification Programme:*

"A TWO WEEK CERTIFICATE PROGRAMME ON PCB DESIGN FOR ELECTRICAL & ELECTRONICS APPLICATIONS"

○ *Date:* 25<sup>th</sup> November to 6<sup>th</sup> December 2021

○ *Duration:* Two Weeks

○ *Resource Person Details:*

Mr.P.Surender babu

Head of Operations TLC Group

Hyderabad

*Number of Students Participated: 64*

○ *Objective of the Program:*

A minimal PCB for a single component, used for prototyping, is called a *breakout board*. The purpose of a breakout board is to "break out" the leads of a component on separate terminals so that manual connections to them can be made easily. Breakout boards are especially used for surface-mount components or any components with fine lead pitch. Advanced PCBs may contain components embedded in the substrate, such as capacitors and integrated circuits, to reduce the amount of space taken up by components on the surface of the PCB while improving electrical characteristics

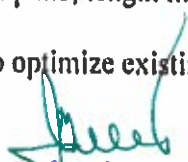
*Outcomes of the Program:*

- Printed Circuit Board (PCB) is very important in all electronic gadgets, which are used either for domestic use, or for industrial purpose.
- PCB design services are used to design the electronic circuits.
- PCBs are the core component in almost all the electronic gadgets including the cell phones and the computers and laptops.
- An effective PCB design can help in reducing the possibilities of errors and the chances of short circuit.

*Contents:*

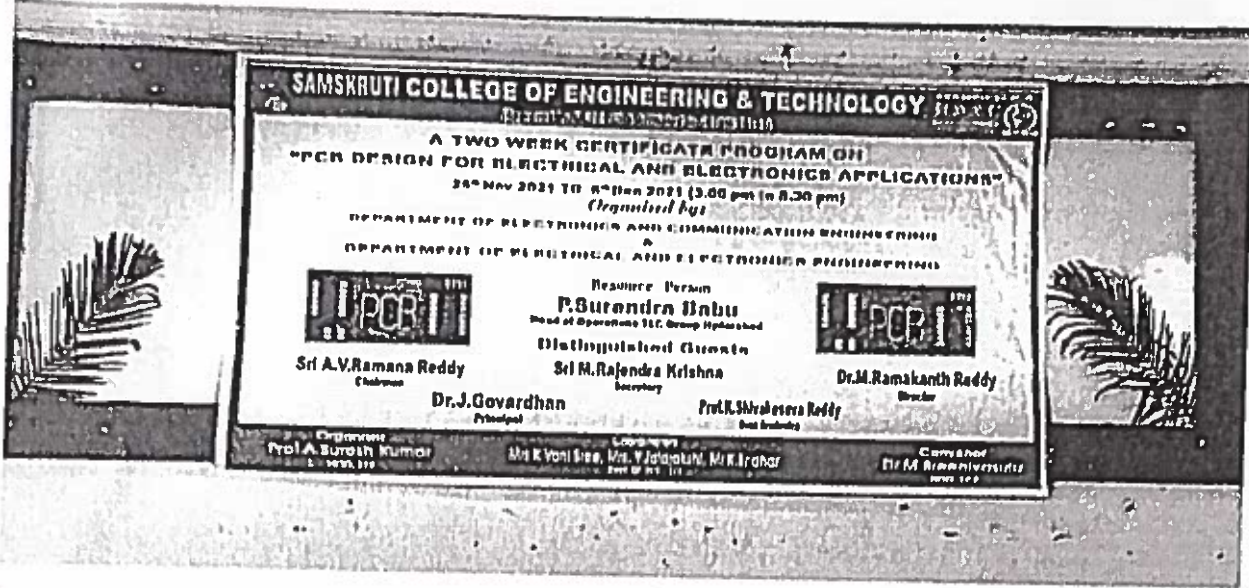
Electrical & Functional Testing services of the designed PCB

- PCB reverse engineering service
- High speed PCB design including differential pairs, length matching etc.
- PCBA Prototyping
- Re-engineering services to correct flaws or to optimize existing PCB designs for lowering costs

  
**Principal**

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

Photos:



*[Handwritten Signature]*  
**Principal**

**Samskruti College of Engg. & Technol**  
Kondapur (V), Ghatkesar (M), Medchal Dist.





  
CO-ORDINATOR

  
HOD

  
**Principal**  
Samskruti College of Engg. & Techno  
Kondapur (V), Ghatkesar (M), Medchal Dist.



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**A TWO WEEK CERTIFICATE PROGRAMME ON PCB DESIGN FOR ELECTRICAL & ELECTRONICS APPLICATIONS.**

**DAY WISE SESSION PLAN**

DAY	TOPIC FOR DISCUSSION
DAY 1	Professional PCB Design Services of all types, including, Multi-Layer, Rigid, Flex, Rigid-Flex
DAY 2	Highly Complex & Dense PCB layout designs done with speed & accuracy
DAY 3	Advanced component footprints & library creation including BGA, QFN packages as per IPC standards
DAY 4	High speed PCB design including differential pairs, length matching etc.
DAY 5	Expertise in critical & sensitive signal routing for Analog & Digital (Mixed Signal) circuits
DAY 6	PCB reverse engineering service
DAY 7	Re-engineering services to correct flaws or to optimize existing PCB designs for lowering costs
DAY 8	Upgrade old PCBs with outdated & obsolete components to the latest technology with widely available SMT components
DAY 9	PCBA Prototyping
DAY 10	PCBA Manufacturing
DAY 11	Electrical & Functional Testing services of the designed PCB
DAY 12	Telecommunications Equipment

  
CO-ORDINATOR

  
HOD

  
**Principal**

**Samskruti College of Engg. & Technology**  
Kondapur (V), Ghatkesar (M), Medchal Dist.



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ACCREDITATION COUNCIL



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Kondapur(V), Chaitanya(Dist., Medchal Dist., Hyderabad-501301  
Web site : www.samskruti.ac.in, email : info@samskruti.ac.in

# Certificate

This is to certify that Mr./Ms. P. RAMESH

S/o, D/o Sri. \_\_\_\_\_ a student of III/IV year,

Roll No. 19W5A0206 in EEE Department has participated in

“A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications”,

Dated: 25/11/2021 to 06/12/2021.

Mr. K. Sridhar

Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Chaitanya (Dist. Medchal Dist.

Mr. A. Suresh Kumar


Convener

HOD




# Certificate

This is to certify that Mr./Ms. BACHU SAI SUDHEER  
S/o, D/o Sri. \_\_\_\_\_ a student of III/IV year,  
Roll No. 19W15A0228 in EEE Department has participated in  
“A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications”,  
Dated: 25/11/2021 to 06/12/2021.

  
Mr. K. Sridhar

Convener

  
Principal

Samskruti College of Engg. & Technology  
Kandapur (V), Ghatkesar (M), Medchal Dist

Mr. A. Suresh Kumar

HOD



# Certificate

This is to certify that Mr./Ms. CHIKKA AKHIL

S/o, D/o Sri. \_\_\_\_\_ a student of III/IV year,


Roll No. 19U15A0112 in EEE Department has participated in

“A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications”,

Dated: 25/11/2021 to 06/12/2021.

  
Mr. K. Sridhar

Convener

  
Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Chaitaniar (M), Medchal Dist.

Mr. A. Suresh Kumar

HOD



# Certificate

This is to certify that Mr./Ms. GUNDU RAHUL a student of III/IV year,  
S/o, D/o Sri. \_\_\_\_\_

Roll No. 19U15A0217 in EEE Department has participated in  
"A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications",  
Dated: 25/11/2021 to 06/12/2021.

  
Mr. K. Sridhar

Convener

  
Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Chaitanya (M), Medchal Dist.

  
Mr. A. Suresh Kumar

HOD



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ACCREDITATION COUNCIL



# Certificate

This is to certify that Mr./Ms. KOCHI PRADEEP.

S/o, D/o Sri. \_\_\_\_\_ a student of III/IV year,

Roll No. 19015A0221 in EE E Department has participated in

“A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications”,

Dated: 25/11/2021 to 06/12/2021.

  
Mr. K. Sridhar

Convener



Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Chaitanya (M), Medchal Dist., Hyderabad-501301

  
Mr. A. Suresh Kumar

HOD

# Certificate

This is to certify that Mr./Ms. MUDA KISHORE  
S/o, D/o Sri. \_\_\_\_\_ a student of III/IV year,

Roll No. 19U15A0224 in EEE Department has participated in  
“A Two week Certificate Program on Pcb Design For Electrical & Electronics Applications”,  
Dated: 25/11/2021 to 06/12/2021.



Mr. K. Sridhar

Convener



Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist



Mr. A. Suresh Kumar

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## DEPARTMENT OF MECHANICAL ENGINEERING

### CIRCULAR

Date:4-12-2021.

All the students are hereby informed that the Department of Mechanical Engineering is organizing" A Two week certificate programme on DESIGN AND CONTROLLING OF HUMANOID ROBOTS" will be conducted from 6<sup>th</sup> December to 21<sup>th</sup> December 2021 at 10:00am to 4:15 pm. All the students are actively participating in the aforementioned certificate program. Upon Successful Participation the students will be issued with participation certificates, 80%of attendance is required for receiving the certificate.

For details, students can contact Mr. Veerendra Prasad program coordinator on or before 5-12-2021.





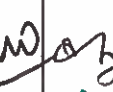




**Note : Bus facility will be provided up to Uppal Bus stop**

Venue: Seminar Hall

  
HOD

**Copy to:**

1. Hon'ble-Chairman (for information)
2. Principal's Office

IQAC	CE	ME	ECE	EEE	CSE	MBA	H&S	AO
								

  
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### About the Institute:

Samskruti College of Engineering and Technology (SCET) is a pioneer of quality education. The Institute established in the year 2005. SCET is tirelessly engaged in imparting quality education.

The Institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The Institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

### About Department:

Mechanical Engineering is often called the Mother of all Engineering. The Department of Mechanical Engineering was established in the year 2009 at the time of inception of Department with an initial intake of 60 students. The Department has 15 eminent faculty supported by 06 Technical Staff.

The Department has well Equipped Laboratories confirming to the norms of JNTUH with facilities viz., a CNC lathe, Solar flat plate collector, Concentric tube collector etc, and software like AUTOCAD, HIGH END CONFIGURATION SYSTEMS, ANSYS, FLUENT etc.



### RESOURCE PERSON

Mr.P.Surendhra Babu  
Head of Operation, TLC Group  
Hyderabad

### ORGANIZING COMMITTEE

Sri. A. V. Ramana Reddy  
Chairman

Sri. M. Rajendra Krishna  
Secretary

Dr. M. Ramakanth Reddy  
Director

Dr. J.Govardhan  
Principal

Mr. Gopichand Boosa  
HOD, Dept. of ME

CO-ORDINATOR,  
Mr S.Veerendra Prasad

Convenor, Dept. of ME

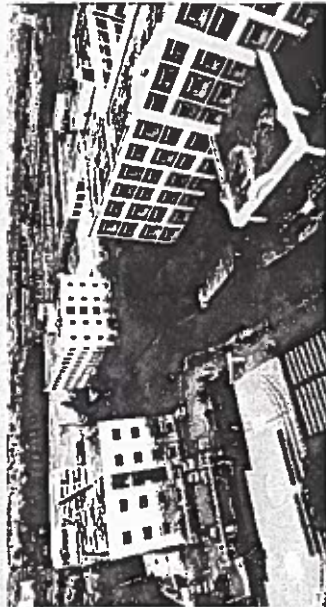
Important Note:

A TWO CERTIFICATE PROGRAMME ON

# DESIGN AND CONTROLLING OF HUMANOID ROBOTS

6-12-2021 to 21-12-2021

Organized by  
DEPARTMENT OF MECHANICAL ENGINEERING  
SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY  
Kondapur (V), Chaiteswar(M), Medchal (Dist), Telangana-501301



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### PROGRAMME OBJECTIVES

- To understand the construction and assembly of Humanoid Robot
- To understand the design and control units of different HIRs
- To understand the different types of servo motors used in the construction of HIR
- To understand the structure and writing of program for initialization
- To gain the understanding of using different servo controllers and Arduino controller boards

### Outcomes of the Program

- At the end of this course, students will demonstrate the ability to
- Describe the mechanisms and control scheme of the mobile manipulation system for the humanoid robot
- Learn Single arm motion planners are developed for point-to-point motion and curve tracking motion
- Identify, formulate and solve algorithm related to localization, obstacle avoidance, and mapping
- Apply and program robot for reactive concepts for robot interaction with human, between machines and among robots
- Analyze the concepts of balancing legged robots and interaction interface concepts for humanoid





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**DEPARTMENT OF MECHANICAL ENGINEERING**

**PROGRAM REPORT ON TWO WEEK CERTIFICATION ON DESIGN AND  
CONTROLLING OF HUMANOID ROBOTS**

**Title of the Certification Programme: "DESIGN AND CONTROLLING OF HUMANOID  
ROBOTS"**

**Date: 6-12-2021 to 21-12-2021**

**Duration: Two Weeks**

**Resource Person Details: Mr.P.Surendhra Babu  
Head of Operation, TLC Group  
Hyderabad.**

**Number of Students Participated: 145**

**Objective of the Program:**

- To understand the construction and assembly of Humanoid Robot
- To understand the design and control units of different HRs
- To understand the different types of servo motors used in the construction of HR
- To understand the structure and writing of program for initialization
- The utilization/understanding of using different servo controllers and Adriano controller boards

**Outcomes of the program:**

At the end of this course, students will demonstrate the ability to

- Describe the mechanisms and control scheme of the mobile manipulation system for the humanoid robot
- Learn Single arm motion planners are developed for point-to-point motion and curve tracking motion
- Identify, formulate and solve algorithm related to localization, obstacle avoidance, and mapping
- Apply and program robot for reactive concepts for robot interaction with human, between machines And among robots
- Analyze the concepts of balancing legged robots and interaction interface concepts for humanoid Robot
- Implement path planning algorithms inside a field/service robot for navigation

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## DEPARTMENT OF MECHANICAL ENGINEERING

### TWO WEEK CERTIFICATION ON DESIGN AND CONTROLLING OF HUMANOID ROBOTS

#### Program Contents:

- Introduction to Humanoid Robot
- HR construction and parts
- Control unit
- 7-DOF Humanoid Robot
- ARDUINO IDE software

#### Photographs



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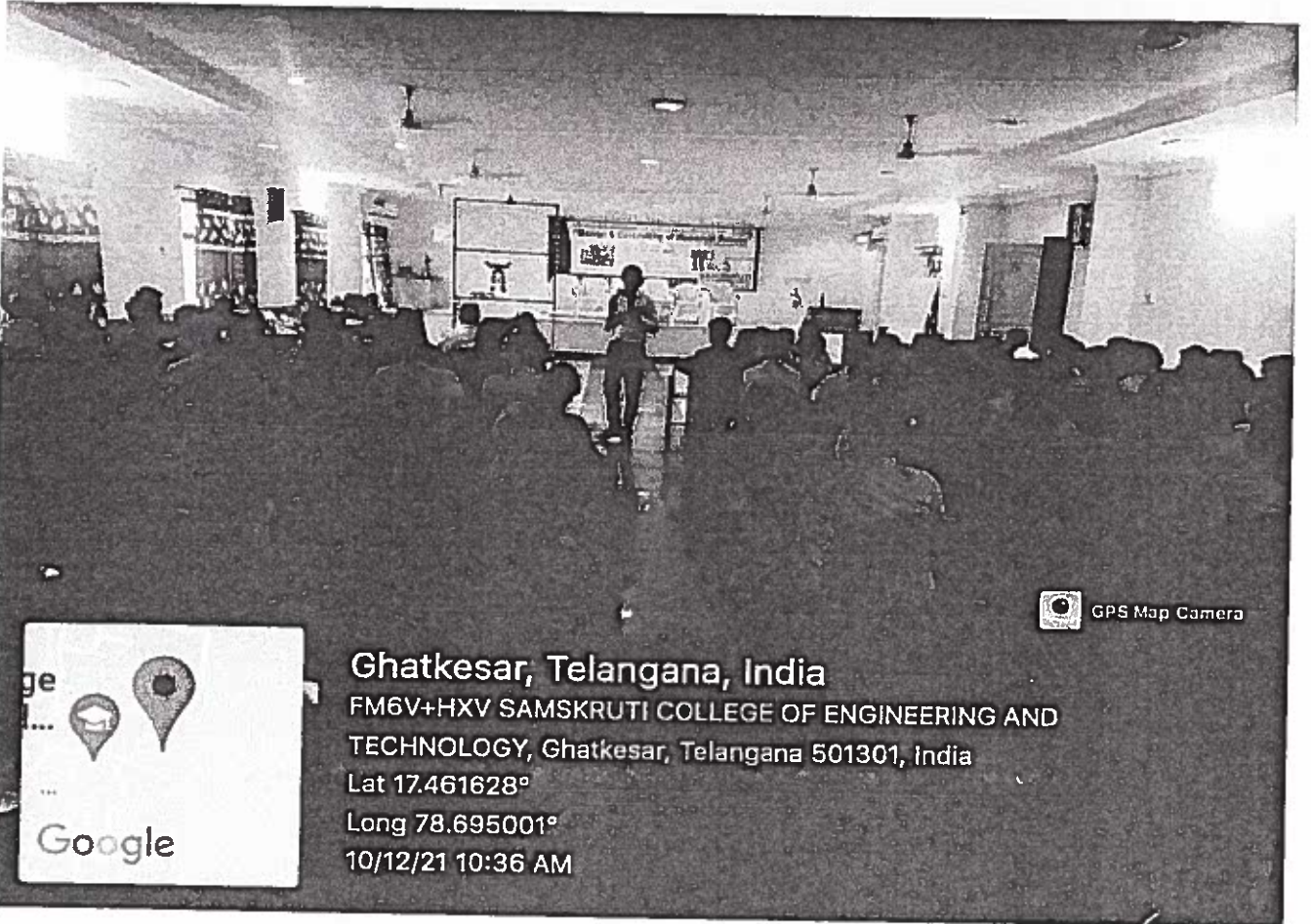
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## DEPARTMENT OF MECHANICAL ENGINEERING



GPS Map Camera



Ghatkesar, Telangana, India

FM6V+HXV SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY, Ghatkesar, Telangana 501301, India

Lat 17.461628°

Long 78.695001°

10/12/21 10:36 AM

COORDINATOR

PRINCIPAL

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ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

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# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF MECHANICAL ENGINEERING

### A TWO WEEK CERTIFICATE PROGRAM ON "DESIGN AND CONTROLLING OF HUMANOID ROBOTS"

#### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	Introduction to Humanoid Robot
DAY2	Classification of HR construction and parts
DAY 3	Design procedure explanation
DAY 4	Control unit
DAY 5	Types of motors used in HR and types of clamps(body structure) used in HR
DAY 6	Types of robots
DAY 7	7-DOF Humanoid Robot
DAY 8	Control unit procedure and its parts
DAY 9	ARDUINO IDE software(used to give commands)
DAY 10	Main parts for Robot
DAY 11	Power source/Supply
DAY 12	Program for initial setup
DAY 13	Automation of Robot Construction
DAY 14	Program and commands for different moments of servo drive (motors)

COORDINATOR

PRINCIPAL  
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Kondapur (V), Ghatkesar (M), Medchal (D)

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# Certificate

This is to certify that Mr./Ms. S. KARTHIC

S/o, D/o Sri. S. SHARAVAIHAH a student of III/IV year,

Roll No. 19U15A0330 in ME Department has participated in

“A Two week Certificate Program on DESIGN AND CONTROLLING OF HUMANOID  
ROBOTS”

Dated :6-12-2021 to 20-12-2021.

*A*

Mr B Venkatesh

Co-ordinator

*[Signature]*  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

*[Signature]*

Mr S Veerendra Prasad

Convener

Mr. Gopichand Boosa

HOD

# Certificate

This is to certify that Mr./Ms. Y. VIKAS

S/o, D/o Sri. Y. VENKATESWARA RAO a student of III/IV year,

Roll No. 16ULLA0308 in ME

Department has participated in  
“A Two week Certificate Program on DESIGN AND CONTROLLING OF HUMANOID  
ROBOTS”

Dated : 6-12-2021 to 20-12-2021.

  
PRINCIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)



Mr B Venkatesh

Co-ordinator



Mr S Veerendra Prasad

Convener



Mr. Gopichand Boosa

HOD



# Certificate

This is to certify that Mr./Ms. G. VARUN KUMAR

S/o, D/o Sri. G. SRINIVAS RAO a student of III/IV year,

Roll No. 19V11A0310 in ME Department has participated in

“A Two week Certificate Program on DESIGN AND CONTROLLING OF HUMANOID  
ROBOTS”

Dated :6-12-2021 to 20-12-2021.

  
PRINCIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Chaitanyar (M), Medchal (D)



Mr B Venkatesh  
Co-ordinator



Mr S Veerendra Prasad  
Convener



Mr. Gopichand Boosa  
HOD

# Certificate

This is to certify that Mr./Ms. K. SRINIVAS

S/o, D/o Sri. K. NARASIMHA RAO a student of III/IV year,

Roll No. 19015A0322 in ME Department has participated in

“A Two week Certificate Program on DESIGN AND CONTROLLING OF HUMANOID  
ROBOTS”

Dated :6-12-2021 to 20-12-2021.



Mr B Venkatesh

Co-ordinator



Mr S Veerendra Prasad

Convener



Mr. Gopichand Boosa

HOD





# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### CIRCULAR

Date: 07/02/2020

All the students are hereby informed that the Department of Electronics and Communication Engineering is organizing "A Three Week Certificate Program on "MULTI-DISCIPLINARY APPLICATIONS USING LAB VIEW" scheduled from 17/02/2020 to 07/03/2020. 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 certificates, 80% Attendance is required for receiving the Certificate. Interested students can enroll their names on or before 10/02/2020.

The training session will be conducted at 4.30pm to 6.30pm. For Details can contact program coordinator Mrs.K. Vanisree, Assistant Professor, ECE Department, Mr. V. Sandeep Kumar, Assistant Professor, ECE Department..

Note: Bus Service Will be provided till Ghatkesar.

#### Copy to:

1. Hon'ble-Chairman/Secretary -for information
2. Principal Office

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Principal

Samskruti College of Engg. & Technology  
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experience using iad view for various applications. The participants will have an exposure to the Design and Simulation. The workshop includes practice sessions on the Lab view.

#### OUTCOMES OF THE PROGRAM

1. Gain Knowledge on Basic Programming using Lab VIEW
2. Hands on session for Connecting to Digital Signal Processing using Lab View
3. Hands on sessions on Image Processing techniques using Lab VIEW
4. Gain Knowledge on File I/O's using Lab VIEW
5. Hardware implementation using Rio (Hardware to connect real time signals)

#### ABOUT THE INSTITUTE

Samskruti College of Engineering and Technology (SCET) is a pioneer of quality education. The institute established in the year 2005. SCET is tirelessly engaged in imparting quality education. The institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

#### ABOUT THE DEPARTMENT

Electronics and Communication Engineering (ECE) is a swiftly advancing field, with new ideas emerging every other second. From mobile phones to fiber optics and remote sensing, there are exciting avenues to explore and create. The ECE department at Samskruti College of Engineering and Technology prepares students for careers in this constantly evolving discipline. The Department of ECE is best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication. The department is provided with state-of-the-art technological tools incorporated in all the existing laboratories. For the last ten years the students of the ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad. The augmentation of the intake of the department from 60 to 120 in the year 2006.

## Dr. Y. Srinivas

HOD & Professor, Department of ECE  
VBIT, Hyderabad

### ORGANIZING COMMITTEE

**Sri A.V.Ramana Reddy**

Chairman

**Sri M. Rajendra Krishna**

Secretary

**Dr. M. Ramakanth Reddy**

Director

**Dr. J. Govardhan**

Principal

**Prof. M. Sreenivasulu**

HOD of ECE

### CO-ORDINATORS

**Mrs. K. Vanisree**

Assoc. Professor, Dept. of ECE

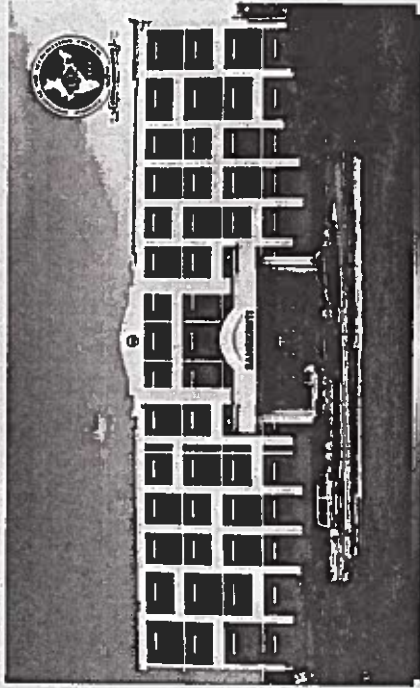
**Mr. V. Sandeep Kumar**

Asst. Professor, Dept. of ECE

## A THREE WEEK CERTIFICATE PROGRAM ON MULTI DISCIPLINARY APPLICATIONS USING LAB VIEW

**Dt: 17/02/2020 to 07/03/2020**

Organized by  
DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING



# SAMSKRUTI COLLEGE OF ENGG & TECH

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Ghatkesar Municipality, Medchal-Malkajgiri Dist., Hyderabad-501301  
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Important Dates:  
Last date for registration: 11/02/2020

Principal

Samskruti College of Engg. & Technology







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## Department Of Electronics and Communication Engineering

### PROGRAM REPORT

○ **Title of the Certificate Programme:**

A Three Week Certificate Program on "MULTI DISCIPLINARY APPLICATION S USING LAB VIEW".

○ **Date:** 17/02/2020 to 07/03/2020

○ **Duration:** Three Weeks

○ **Resource Person Details:** Dr.Y.Srinivas, HOD & Professor,  
VBIT.Hyderabad

Ph: 9392184253

Mail ID:srinivasy\_99@yahoo.com

○ **Number of Students Participated:** 39

○ **Objective of the Program:**

The aim of this workshop is to provide hands-on experience using Lab view for various Applications. The participants will have an exposure to the Design & Simulation. The workshop includes practice sessions on the Lab view.



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**Outcomes of the program:**

- Gain knowledge on Basic Programming using Lab VIEW.
- Hands on session for Connecting to Digital Signal Processing using Lab VIEW.
- Hands on sessions on Image Processing techniques using Lab view.
- Gain knowledge on File I/O's using Lab view.
- Hardware implementation using Rio (Hardware to connect real time signals)

  
CO - ORDINATOR

  
HOD

  
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### A THREE WEEK CERTIFICATE PROGRAM ON MULTI DISCIPLINARY APPLICATION USING LAB VIEW

#### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	Introduction to Lab View Software and its Applications in Multi Disciplinary.
DAY2	Basic Programming Using LABVIEW
To	Logical programming using logical functions like NAND,NOR gate etc;
DAY 10	Programming using various array and string functions.
DAY 11	Traffic Light programming using LABVIEW
DAY 12	Image processing Programming using LABVIEW.
DAY 13	Image processing Programming using LABVIEW Practice session.
DAY 14	Signal processing programming using LABVIEW
DAY 15	Signal processing programming using LABVIEW Practice Session.
DAY 16	Programming using hardware MY Rio
DAY 17	Programming using hardware MY Rio
DAY 18	Programming using hardware MY Rio
DAY 19	Practice Session
DAY 20	Practice Session
DAY 21	End of the Session followed by Valedictory Program

CO - ORDINATOR

*Principal*  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dis

*M.H.D.*  
HOD



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Ghatkesar Municipality, Medchal-Malkajgiri Dist., Hyderabad-501301  
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## Certificate

This is to certify that Mr./Ms. KANDIMALLA DEEPTHI  
S/o, D/o Sri. KANDIMALLA PRABHAKAR REDDY a student of II/IV year,  
Roll No. 17U11A0426 in ECR Department has participated in

"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"

Dated: 17-02-2020 to 07-03-2020.

  
Mrs. K. Vanisree  
Assoc. Professor

  
PRINCIPAL  
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Kondapur (V), Ghatkesar (M), Medchal (D)

  
Prof. M. Sreenivasulu  
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## Certificate

This is to certify that Mr./Ms. CHANDANALA SANDHYA RANI  
S/o, D/o Sri. CHANDANALA SRINIVAS a student of II/IV year,  
Roll No. 17U11A0416 in ECE Department has participated in

*"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"*

Dated: 17-02-2020 to 07-03-2020.

  
Mrs. K. Vanisree  
Assoc. Professor

  
PRIN CIPAL  
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ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

Prof. M. Sreenivasulu  
HOD

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# Certificate

This is to certify that Mr./Ms. Balusa Pranay  
S/o, D/o Sri. Balusa Venkateshwarulu a student of II/IV year,  
Roll No. 17U11A0409 in ECF Department has participated in

*"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"*

Dated: 17-02-2020 to 07-03-2020.

**Mrs. K. Vamsi Sree**  
Assoc. Professor

  
PRIN CIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

**Prof. M. Sreenivasulu**  
HOD



# SAMSKRUTI

## COLLEGE OF ENGG & TECH

Approved by AICTE, New Delhi, Recognised by Govt. of Telangana & Affiliated to JNTUH  
Ghatkesar Municipality, Medchal-Malkajgiri Dist., Hyderabad-501301

Visit us : [www.samskruti.ac.in](http://www.samskruti.ac.in), email : [info@samskruti.ac.in](mailto:info@samskruti.ac.in)




# Certificate

This is to certify that Mr./Ms. Arigela Venkata Sai Pavan a student of II/IV year,  
S/o, D/o Sri. Arigela Venkata Raju in ECE Department has participated in  
Roll No. 17U11A0407

"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"

Dated: 17-02-2020 to 07-03-2020.

**Mrs. K. Vanisree**  
Assoc. Professor

  
PRIN CIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)



**Prof. M. Sreenivasulu**  
HOD



# SAMSKRUTI COLLEGE OF ENGG & TECH

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## Certificate


This is to certify that Mr./Ms. MOGILI SWETHA

S/o, D/o Sri. MOGILI VARASIMHA a student of II/IV year,

Roll No. 17U11A0433 in ECE Department has participated in

"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"

Dated: 17-02-2020 to 07-03-2020.

  
Mrs. K. Vanisree  
Assoc. Professor

  
PRINCIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Vondapur (V), Ghatkesar (M), Medchal (T)

  
Prof. M. Sreenivasulu  
HOD





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**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL

# Certificate

This is to certify that Mr./<sup>Y</sup>Ms. PITTLA TUSHITHA

S/o, D<sup>Y</sup>/o Sri. PITTLA VASU a student of II/IV year,

Roll No. 17U11A0441 in ECE Department has participated in

*"A Three week Certificate Program on Multi Disciplinary Applications Using Lab View"*

Dated: 17-02-2020 to 07-03-2020.

  
**Mrs. K. Vanisree**  
Assoc. Professor

  
PP  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

**Prof. M. Sreenivasulu**  
HOD



# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

Kondapur(V), Ghatkesar(M), Medchal(Dist)



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### CIRCULAR

Date: 09/06/2020

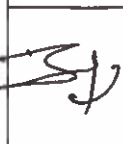



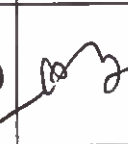

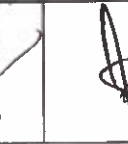

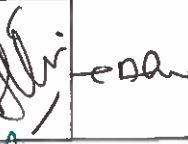
All the students are hereby informed that the Department of Computer Science Engineering is organizing "A Two Week Certificate Program on Artificial Intelligence" scheduled from 15/06/2020 to 29/06/2020 at 04:30 PM to 06:30 PM. All the students are invited and advised to actively participate in the aforementioned certificate program. Upon successful participation, the students will be issued with participation certificates. 80% of attendance is required for receiving the certificate. Interested students can enrol their names on or before 12/06/2020. For details, students can contact the Program Coordinator Mr. Ch. Murali Krishna

Note: Bus Facility will be provided upto Uppal X Roads.

  
HOD-CSE

#### Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

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Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.



# ARTIFICIAL INTELLIGENCE

15/06/2020 to 29/06/2020



Organized by  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar(M), Medchal (Dist), Telangana-501301

## PROGRAMME OBJECTIVES

1. To have a basic proficiency in a traditional AI language including an ability.
2. To have an understanding of the basic issues of knowledge representation and blind and heuristic search, as well as an understanding of other topics such as minimax, resolution.
3. To have a basic understanding of some of the more advanced topics of AI such as natural language processing..

## Outcomes of the Program

1. Solve basic AI based problems.
2. Define the concept of Artificial Intelligence.
3. Apply AI techniques to real-world problems to develop intelligent systems.
4. Select appropriately from a range of techniques when implementing intelligent systems.

## RESOURCE PERSON

**Mr. G. Ravinder**

Asst. Professor

Department of Computer Science & Engineering

VMIT

Mobile: 9849053205

Email: [gravinder205@gmail.com](mailto:gravinder205@gmail.com)

## ORGANIZING COMMITTEE

**Sri. A. V. Ramana Reddy**

Chairman

**Sri. M. Rajendra Krishna**

Secretary

**Dr. J. Govardhan**

Principal

**Mr. K. Vamshi Krishna**

HOD, Dept. of CSE

Mr. Ch. Murali

CO-ORDINATOR

Mr. P. Avinash

Convenor Dept. of CSE

## Important Dates:

- Start date : 15/06/2020
- End date : 29/06/2020

**NAAC**

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



Samskruti College of Engg. & Technology

Kondapur (V), Ghatkesar (M), Medchal Dist

MBA

Samskruti College of Engg. & Technology

Kondapur (V), Ghatkesar (M), Medchal Dist

Samskruti College of Engineering and Technology (SCET) is a pioneer of quality education. The institute established in the year 2005. SCET is tirelessly engaged in imparting quality education.

The Institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The Institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

## About Department

The Department of Computer Science & Engineering came into the existence in the year 2005 since the inception of the college, Accredited by AICTE New Delhi, Affiliated to JNTUH to offer undergraduate program with an annual intake of 120 students.

The Department is growing significantly by spreading its academic activities such as National Level Seminars, Workshops, Guest Lectures and Adjunct Courses by the eminent professors from reputed organizations JNTUH, NIT'S and IIT'S and co-curricular activities such as Tech fest, Student Seminars, Games and Sports, Industrial Visits.

The department is fully equipped with latest software that caters to the needs of our students & also aid in research and development programs. The Department is dedicated to research, education and overall excellence and is associated with the CSI. Several students have participated in paper-presentations, seminars, and technical quizzes. Many students secured GATE ranks and few had preferred to join directly in MTech, &



## SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)



### DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Dt: 01/07/2020

### PROGRAM REPORT

- **Title of the Certification Programme:**  
"A Two Week Certificate Program on ARTIFICIAL INTELLIGENCE"
- **Date:** 15/06/2020 to 29/06/2020
- **Duration:** Three Weeks
- **Resource Person Details:** *Mr. G.Ravinder*  
Asst Prof, Dept of CSE,  
VMIT  
9849053205
- **Number of Students Participated:** 53
- **Objective of the Program:**
  1. To have a basic proficiency in a traditional AI language including an ability .
  2. To have an understanding of the basic issues of knowledge representation and blind and heuristic search, as well as an understanding of other topics such as minimax, resolution.
  3. To have a basic understanding of some of the more advanced topics of AI such as natural language processing.
- **Outcomes of the Program:**
  1. Solve basic AI based problems.
  2. Define the concept of Artificial Intelligence.
  3. Apply AI techniques to real-world problems to develop intelligent systems.
  4. Select appropriately from a range of techniques when implementing intelligent systems.
- **Contents:**
  1. Introduction
  2. Intelligent Systems
  3. Problem Solving
  4. Heuristic Search Techniques
  5. Logic Programming

*Principal*

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

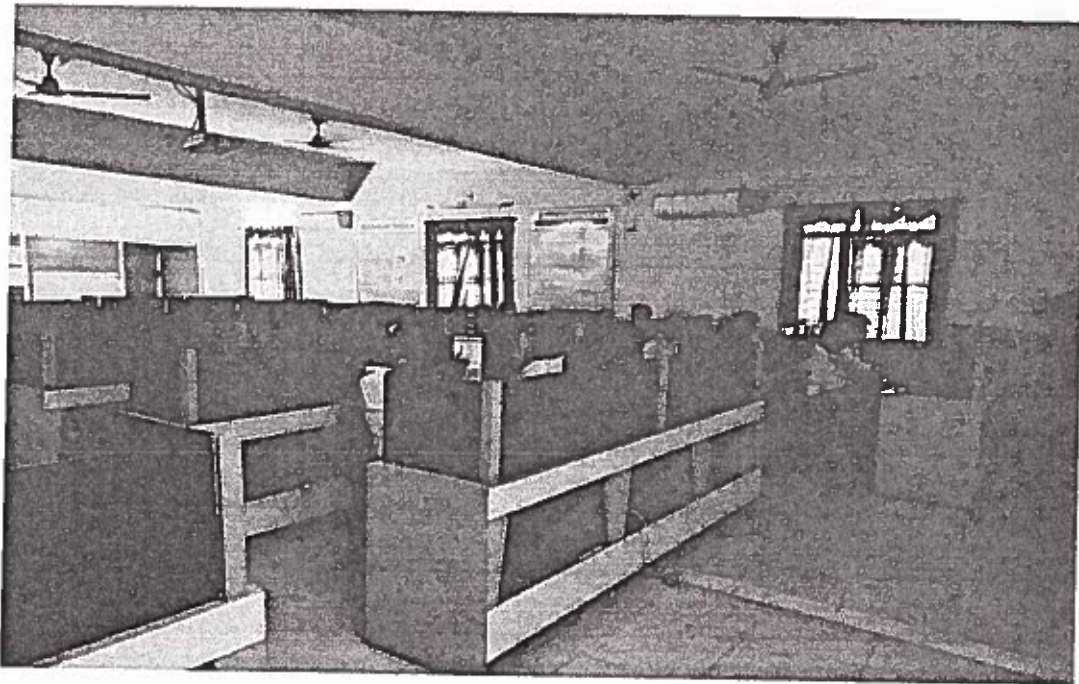




# SANSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)



*Chau*

COORDINATOR

*Principal*  
HOD

Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.



## SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

Kondapur(V), Ghatkesar(M), Medchal(Dist)



### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### A TWO WEEK CERTIFICATE PROGRAM ON ARTIFICIAL INTELLIGENCE

#### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY 1	Introduction, History
DAY 2	Intelligent Systems
DAY 3	Foundations of AI, Sub areas of AI, Applications
DAY 4	Problem Solving
DAY 5	General Problem Solving, Characteristics of Problem,
DAY 6	Exhaustive Searches
DAY 7	Heuristic Search Techniques
DAY 8	Logic Concepts and Logic Programming: Introduction
DAY 9	Propositional Calculus
DAY 10	Propositional Logic, Natural Deduction System
DAY 11	Axiomatic System
DAY 12	Predicate Logic, Logic Programming
DAY 13	Approaches to Knowledge Representation
DAY 14	Knowledge Representation using Semantic Network
DAY 15	Expert System Architecture
DAY 16	Expert Systems Vs Traditional Systems
DAY 17	Truth Maintenance Systems
DAY 18	Probability Theory: Introduction
DAY 19	Probability Theory,
DAY 20	Bayesian Belief Networks
DAY 21	Certainty Factor Theory

COORDINATOR

Principal  
Samskruti College of Engineering & Technology  
Kondapur (V), Ghatkesar (M), Medchal (Dist)

HEAD OF DEPARTMENT



# Certificate

This is to certify that Mr./Ms. NALLAM ANUSHA  
S/o, D/o Sri. NALLAM ANJI a student of 11/111/IV year,  
Roll No. 18X190546 in CSE Department has participated in  
“A Two week Certificate Program on Artificial Intelligence”.  
Dated: 15/06/2020 to 29/06/2020

*Signature*

Mr. P. Avinash

*Signature*  
Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Chalkesari (M), Medchal Dist.

Mr. K. Varnshi Krishna

*Signature*

Convenor

HOD

# Certificate

This is to certify that Mr./Ms. V. Ejoy

S/o, D/o Sri. V. SURESH a student of 11/111/IV year,

Roll No. 18011A0550 in cse Department has participated in

“A Two week Certificate Program on Artificial Intelligence”.

Dated: 15/06/2020 to 29/06/2020

*Avinash*

Mr. P. Avinash

*Principal*

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

*Mr. K. Vamsi Krishna*

Mr. K. Vamsi Krishna

Convenor

HOD



# Certificate

This is to certify that Mr./Ms. NIHAYA THAKUR  
S/o, D/o Sri. GOVIND THAKUR a student of 11/111/IV year,  
Roll No. 18U1A0539 in CSE Department has participated in  
“A Two week Certificate Program on Artificial Intelligence”.  
Dated: 15/06/2020 to 29/06/2020

*Shivash*

Mr. P. Avinash

*Principal*

Samskruti College of Engg. & Technology  
Kondapur (V), Chaiteswar (M), Medchal Dist.

*Krishna*

Mr. K. Vamsi Krishna

Convener

HOD

# Certificate

This is to certify that Mr./Ms. VEDEPO SANKHI  
S/o, D/o Sri. VEDEPO SANDEEP a student of 11/III/IV year,  
Roll No. 18011A0530 in cse Department has participated in

“A Two week Certificate Program on Artificial Intelligence”.

Dated: 15/06/2020 to 29/06/2020

*Avinash*

Mr. P. Avinash

*[Signature]*

Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

*[Signature]*  
Mr. K. Vamshi Krishna

Convener

HOD



# Certificate

This is to certify that Mr./Ms. B. REVANTH  
S/o, D/o Sri. B. RAMESH a student of II/III/IV year,  
Roll No. 18011A0532 in CSE Department has participated in

“A Two week Certificate Program on Artificial Intelligence”.

Dated: 15/06/2020 to 29/06/2020

*Avinash*

Mr. P. Avinash

*[Signature]*  
Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

Mr. K. Vamshi Krishna

Convener

HOD

# Certificate

This is to certify that Mr./Ms. D. Sai Rohan  
S/o, D/o Sri. D. KAILASH a student of 11/III/IV year,  
Roll No. 18011A0543 in Cse Department has participated in  
“A Two week Certificate Program on Artificial Intelligence”.  
Dated: 15/06/2020 to 29/06/2020

*Avinash*

Mr. P. Avinash

*[Signature]*  
Principal

Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

*[Signature]*  
Mr. K. Vamsi Krishna

Convener

HOD





## SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)



### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#### CIRCULAR

Date:04/08/2020

All the students are hereby informed that the Department of Computer Science Engineering is organizing "A Three Week Certificate Program on Cloud Computing " scheduled from 10/08/2020 to 31/08/2020 at 04:30 PM to 06:30 PM. 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 certificates. 80% of attendance is required for receiving the certificate. Interested students can enrol their names on or before 07/08/2020. For details, students can contact the


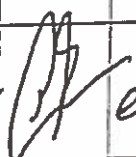






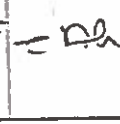
Program Coordinator Mr. Ch. Murali Krishna

Note: Bus Facility will be provided upto Uppal X Roads.

  
HOD-CSE

#### Copy to:

1. Hon'ble-Chairman/Secretary - For information
2. Principal's Office

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**Principal**  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

# CLOUD COMPUTING

10/08/2020 to 31/08/2020



Organized by  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Kondapur (V), Ghatkesar(M), Medchal (Dist), Telangana-501301

## PROGRAMME OBJECTIVES

1. This will provide an insight into cloud computing.
2. Understand the concepts, characteristics, delivery models and benefits of cloud computing
3. Understand the key security and compliance challenges of cloud computing
4. Understand the different characteristics of public, private and hybrid cloud deployment models.

## Outcomes of the Program

1. An understanding of Cloud Computing benefits and key concepts.
2. Ability to understand the ways in which the cloud can be programmed and deployed.
3. An understanding of when and where to use it using the appropriate industry models.
4. Understanding cloud service providers

## RESOURCE PERSON

**Mr. Rajesh Gundla**

*Asst. Professor*

*Department of Computer Science & Engineering*

*Vignana's Institute of Management & Technology for Women*

*Mobile: 9494274083*

*Email: rajgundla@gmail.com*

## ORGANIZING COMMITTEE

**Sri. A. V. Ramana Reddy**

*Chairman*

**Sri. M. Rajendra Krishna**

*Secretary*

**Dr. J. Govardhan**

*Principal*

**Mr. K. Yamshi Krishna**

*HOD, Dept. of CSE*

**CO-ORDINATOR**

**Mr. Ch. Murali Krishna**  
*Asst.Prof. Dept. of CSE*

## Important Dates:

- Start date : 10/08/2020
- End date : 31/08/2020

*Principal*  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.

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The institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

## About Department

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The Department is growing significantly by spreading its academic activities such as National Level Seminars, Workshops, Guest Lectures and Adjunct Courses by the eminent professors from reputed organizations JNTUH, NIT'S and IIT'S and co-curricular activities such as Tech fest, Student Seminars, Games and Sports, Industrial Visits.

The department is fully equipped with latest software that caters to the needs of our students & also aid in research and development programs. The Department is dedicated to research, education and overall excellence and is associated with the CSI. Several students have participated in paper-presentations, seminars, and technical quizzes. Many students secured GATE ranks and few had preferred to join directly in MTech, & MBA.





# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 03/09/2020

### PROGRAM REPORT

○ **Title of the Certification Programme:**

**“A Three Week Certificate Program on CLOUD COMPUTING”**

○ **Date:** 10/08/2020 to 31/08/2020

○ **Duration:** Three Weeks

○ **Resource Person Details:** Mr. Rajesh Gundla

Asst Prof, Dept of CSE,

Vignan's Institute of Management and Technology for  
Women

9494274083

○ **Number of Students Participated:** 54

○ **Objective of the Program:**

- 1.This will provide an insight into cloud computing.
- 2.Understand the concepts, characteristics, delivery models and benefits of cloud computing
- 3.Understand the key security and compliance challenges of cloud computing
- 4.Understand the different characteristics of public, private and hybrid cloud deployment models.

○ **Outcomes of the Program:**

1. An understanding of Cloud Computing benefits and key concepts.
2. Ability to understand the ways in which the cloud can be programmed and deployed.
3. An understanding of when and where to use it using the appropriate industry models.
4. Understanding cloud service providers

○ **Contents:**

- Introduction
- Computing Paradigms
- Cloud Computing Fundamentals
- Cloud Deployment Models
- Cloud Architecture

*Principal*

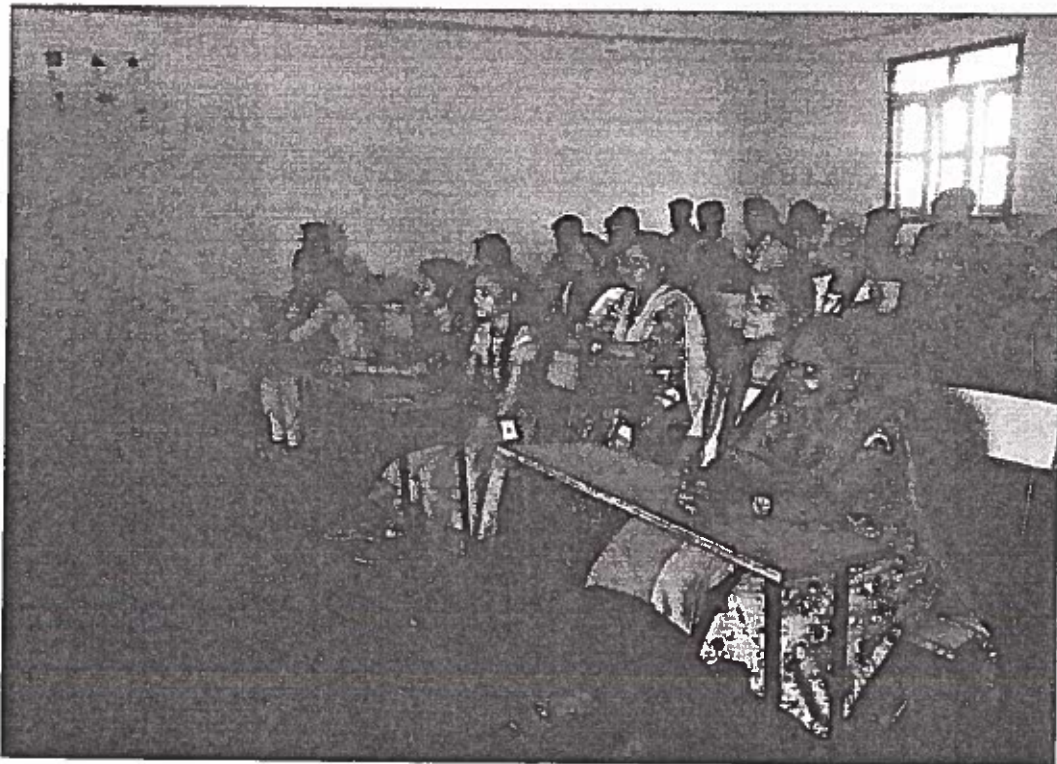
Samskruti College of Engg. & Technology  
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(Approved by AICTE, New Delhi & Affiliated to JNTUH.)

Kondapur(V), Ghatkesar(M), Medchal(Dist)



  
COORDINATOR

  
HOD  
  
Principal  
Samskruti College of Engg. & Technology  
Kondapur (V), Ghatkesar (M), Medchal Dist.





# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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

Kondapur(V), Ghatkesar(M), Medchal(Dist)




## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### A THREE WEEK CERTIFICATE PROGRAM ON CLOUD COMPUTING

#### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	Introduction, History
DAY2	Computing Paradigms
DAY 3	Mobile Computing, Quantum Computing, optical Computing, Nano Computing
DAY 4	Cloud Computing Fundamentals
DAY 5	Cloud Deployment Models
DAY 6	Cloud Architecture
DAY 7	Network Connectivity in Cloud Computing
DAY 8	Applications and Managing on the Cloud
DAY 9	Migrating Application to Cloud
DAY 10	Phases and Approaches for Cloud Migration
DAY 11	Cloud Service Models
DAY 12	IaaS
DAY 13	Paas
DAY 14	SaaS
DAY 15	Other Cloud Service Models
DAY 16	Cloud Service Providers
DAY 17	Amazon Web Services
DAY 18	Windows Azure
DAY 19	Sales force
DAY 20	Knowledge as a service
DAY 21	VMware

  
COORDINATOR

  
HOD  
  
**Principal**  
Samskruti College of Engg. & Technology  
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**SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY**  
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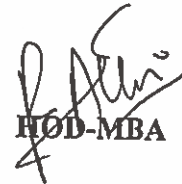


**DEPARTMENT OF BUSINESS MANAGEMENT**

Date: 23-11-2021

**CIRCULAR**


All the students are hereby informed that the Department of Business Management is organizing "A Two Week Certificate Program on Intellectual Property Rights" scheduled from 26/11/2021 to 09/12/2021 at 01:30 PM to 03:30 PM. All the students are invited and advised to actively participate in the afore mentioned certificate program. Upon successful participation, the students will be issued with participation certificates. 80% of attendance is required for receiving the certificate. Interested students can enroll their names on or before 25/11/2021. For details, students can contact the Program Coordinator Ms. N. Sireesha.


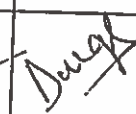

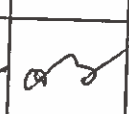
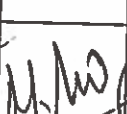


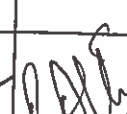
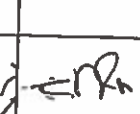
  
HOD-MBA

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1. Hon'ble-Chairman/Secretary-For information

2. Principal's Office

  
PRINCIPAL  
SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY  
Kondapur (V), Ghatkesar (M), Medchal (D)

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The institute is offering various Diploma, UG & PG Programmes in the Dept of ECE, CSE, EEE, ME and CE. The institute prepares the students to suit the ever changing scenario of the global Industry by imparting them to the advanced Technology in various core fields and by developing their personality and confidence levels in addition to the regular curriculum. SCET aims at technology development through academic excellence.

About Department:

The Master of Business Administration (MBA) is a master's degree in business administration. The MBA is a terminal as well as a professional degree. The Department of Business Administration was established with the inception of the institution in 2007 with an intake of 60 MBA Students and was enhanced to 120 students in year 2015. India is one of the many countries that has grown and is still growing rapidly in the Industrial respect. Thus, the demand as well as popularity of business related courses also took a rapid jump. MBA is one of the most popular as well as widely chosen courses amongst the other entire business related course. This is because MBA has its own values that make it superior to other courses, and hence it has wide scopes and job prospects.

After completion of MBA, a wide range of jobs and career prospective are available in the industrial and corporate sector. One can easily get jobs of Managerial or executive level after successfully completing their MBA degree. This job acts as the first step of the ladder of success, after which one can reach to the top most position of any firm. With growing number of companies and rapid industrialization, the scope of MBA is increasing every single day.

## RESOURCE PERSON

**Dr. Razia Sultana**

Associate Professor,

Shadan Institute of Management studies

Mobile: 8790873545,

Email: razia.salam@gmail.com

## ORGANIZING COMMITTEE

**Sri.A. V. Ramana Reddy**

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**Sri.M. Rajendra Krishna**

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**Dr. M. Ramakanth Reddy**

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**HOD, Dept. of MBA**

**Mrs.N.Sireesha**

**Coordinator, Dept. of MBA**

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**SAMSKRUTI COLLEGE OF  
ENGINEERING AND TECHNOLOGY**  
Kondapur (V), Ghatkesar (M), Medchal (D)

**Important Date:**

**Last date for registration : 25/11/2021**

A TWO WEEK CERTIFICATE PROGRAMME ON

# INTELLECTUAL PROPERTY RIGHTS

**Dt: 26-11-2021 to 09-12-2021**

Organized by  
**DEPARTMENT OF BUSINESS MANAGEMENT**

**SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Kondapur (V), Ghatkesar(M), Medchal (Dist), Telangana-501301

**NAAC**

NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL



Established in 1988

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Visit us: [www.samskruti.ac.in](http://www.samskruti.ac.in), email: [info@samskruti.ac.in](mailto:info@samskruti.ac.in)



## PROGRAMME OBJECTIVES

- To introduce fundamental aspects of Intellectual Property Rights to students who are going to play a major role in development and management of innovative projects in industries.
- To disseminate knowledge on patents, patent regime in India and abroad and registration aspects
- To disseminate knowledge on copyrights and trademarks related rights and registration aspects
- To disseminate knowledge on Design, Geographical Indication (GI), Plant Variety and Layout Design Protection and their registration aspects
- To aware about current trends in IPR and Govt. steps in fostering IPR

## Outcomes of the Program

- The students once they complete their course, shall get an adequate knowledge on patent and copyright for their innovative research works
- During their research career, information in patent documents provides useful insight on novelty of their idea from state-of-the-art search. This provides further way for developing their idea or innovations
- Pave the way for the students to catch up Intellectual Property(IP) as a career option
- a. R&D IP Counsel
- b. Government Jobs - Patent Examiner
- c. Private jobs
- d. Patent agent and Trademark agent



# SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kondapur(V), Ghatkesar(M), Medchal(Dist)



## DEPARTMENT OF BUSINESS MANAGEMENT

Name of the program: "A Two week certificate program on Intellectual Property Rights"


### DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY 1	<b>Introduction TO IPR</b> Historical and philosophical background of patents and other intellectual property
DAY 2	<b>Types of Intellectual Property</b> patents, copyrights, trademarks
DAY 3	<b>Agencies in IPR</b> International organizations and Governmental Agencies involved in registration of intellectual property
DAY 4	<b>Importance of IPR</b> importance of intellectual property rights and agencies and treaties
DAY 5	<b>Law of copy rights:</b> Fundamental of copy right law, originality of material, rights of reproduction, rights to perform the work publicly, copy right ownership issues, copy right registration, notice of copy right, international copy right law.
DAY 6	<b>Law of patents:</b> Foundation of patent law, patent searching process, ownership rights and transfer
DAY 7	<b>Trade Secrets:</b> Trade secrete law, determination of trade secrete status, liability for misappropriations of trade secrets, protection for submission, trade secrete litigation.
DAY 8	<b>Unfair competition:</b> Misappropriation right of publicity, false advertising.
DAY 9	(A) Patent licensing (B) Non-competition agreements Rights and obligations among co-inventors, co-authors, employers, and licensees
DAY 10	<b>The process of applying for a patent ("patent prosecution")</b> Anatomy of a patent application Adequate disclosure The art of drafting patent claims
DAY 11	<b>Patent Searching:</b>

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	(A) Purposes and techniques (B) On-line tools available to MIT students
DAY 12	New development of intellectual property: new developments in trade mark law; copy right law, patent law, intellectual property audits.
DAY 13	International overview on intellectual property international – trade mark law, copy right law, international patent law.
DAY 14	International development in trade secrets law.

  
COORDINATOR

  
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**DEPARTMENT OF BUSINESS MANAGEMENT**

Date: 10/12/2021

**PROGRAM REPORT**

o **Title of the certification program:**

“A Two Week Certificate Program on Intellectual Property Rights”

o **Date:** 26/11/2021 to 09/12/2021

o **Duration:** Two Weeks

o **Resource Person:** Dr. Razia Sultana  
Associate Professor  
Shadan Institute of Management Studies  
Email: [razia.salam@gmail.com](mailto:razia.salam@gmail.com)  
Contact no. 8790873545

o **Number of Participants:** 63

o **Objectives of the Program:**

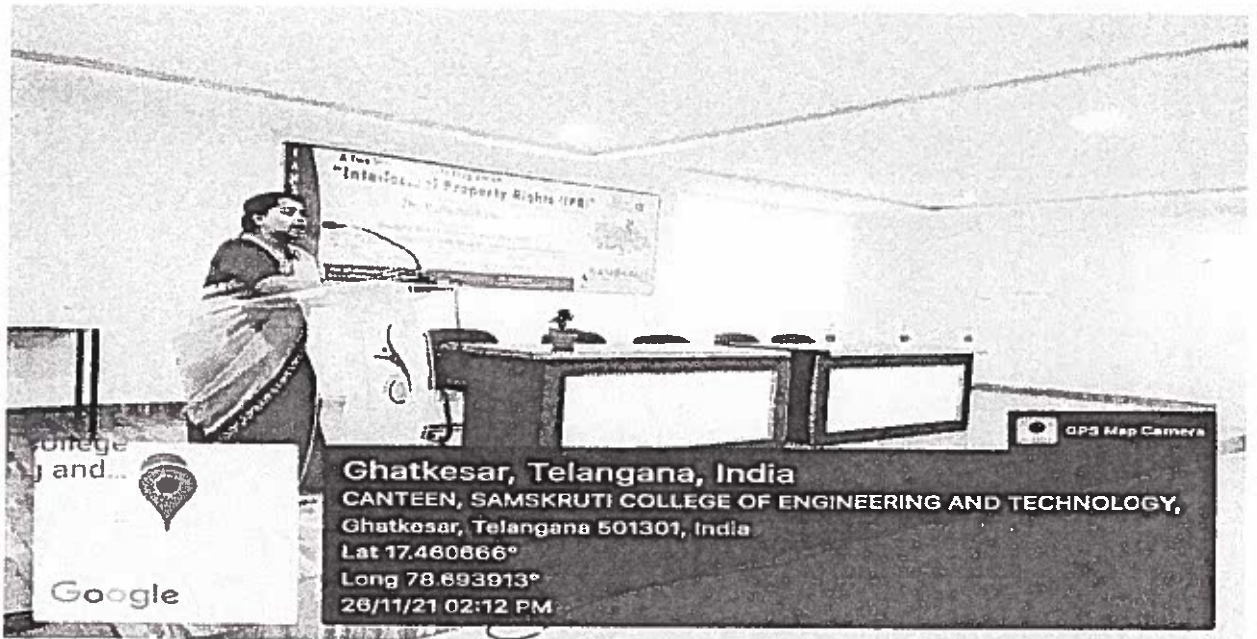
- To have an insight on Intellectual Property Rights.
- To stimulate the creation and growth of intellectual property.
- To encourages innovation.
- To create public awareness about the benefits of Intellectual property.

o **Outcomes of the Program:**

Upon successful completion, students will have the knowledge and skills to:

- Have an understanding of the fundamental legal principles relating to confidential information, copyright, patents, designs, trademarks and unfair competition;
- Understand the legal and practical steps needed to ensure that intellectual property rights remain valid and enforceable;
- Understand current and emerging issues relating to the intellectual property protection, including those relating to indigenous knowledge or culture, information technology especially the distribution of material on the internet, biotechnology and international trade;
- Be able to anticipate and subject to critical analysis arguments relating to the development and reform of intellectual property right institutions and their likely impact on creativity and innovation.

  
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Long 78.693913°  
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# Certificate


This is to certify that Mr./Ms. B. Nikitha

S/o, D/o Sri. \_\_\_\_\_ a student of 1/11 year,

Roll No 20011150005 in MBA Department has participated in  
“A Two Week Certificate Program on Intellectual Property Rights”.

Dated: 26/11/2021 to 09/12/2021.

  
Mrs.N.Sireesha  
Convener

  
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Dr.B.Aarthi  
HOD



# Certificate

This is to certify that Mr./Ms. Gr. Parankalyan  
S/o, D/o Sri. \_\_\_\_\_ a student of I/II year,

Roll No. 20011E0016 in MBA Department has participated in  
“A Two Week Certificate Program on Intellectual Property Rights”.

Dated: 26/11/2021 to 09/12/2021.



**Mrs.N.Sireesha**  
Convener



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**Dr.B.Aarthi**  
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# Certificate

This is to certify that Mr./Ms. T. Vamshi


S/o, D/o Sri. \_\_\_\_\_ a student of I/II year,

Roll No. 20V11E0033 in MBA Department has participated in  
“A Two Week Certificate Program on Intellectual Property Rights”.

Dated: 26/11/2021 to 09/12/2021.

  
Mrs. N. Sireesha  
Convener

  
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Dr. B. Aarthi  
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# Certificate

This is to certify that Mr./Ms. B. Kavari  
S/o, D/o Sri. \_\_\_\_\_ a student of I/II year,

Roll No. 2001100051 in MBA Department has participated in  
“A Two Week Certificate Program on Intellectual Property Rights”.

Dated: 26/11/2021 to 09/12/2021.

  
Mrs. N. Sireesha  
Convener

  
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