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

DEPARTMENT OF CIVIL ENGINEERING

PROGRAM REPORT

Dt: 05/08/2016

- *Title of the Certification Programme:*

  "A Two Week Certificate Program on Modern Concrete"
- *Date:* **18/07/2016 to 02/08/2016**
- *Duration:* **Two Weeks**
- *Resource Person Details:*

  Dr. G.V.Praveen,
  Professor, Department of Civil engineering
  S.R Engineering College, Warangal
  Mobile: 8008799755
  Email: praveeng@sreenidhi.edu.in
- *Number of Students Participated:* **53**
- *Objective of the Program:*

The course relates to the fundamentals related to concrete and concrete material, besides dealing with masonry, reinforcement, etc. The course begins with an outline of what concrete is, what are the processes involved in formation of concrete, various materials that are used in concrete formation, properties of each ingredient of concrete, standard tests to be applied to concrete and concrete ingredients. The course then moves on to design-mix, special concretes, Non-Destructive testing, etc.

- *Outcomes of the Program:*

1. The knowledge of what concrete is, how it is formed, what materials are involved and properties and requirements of each concrete ingredient.
2. To know the procedure to determine the properties of Fresh and Hardened Concrete.
3. Understand the testing of Concrete materials as per IS code.
4. Ability to analyze various special concrete and their applications.
5. Basic knowledge of Nondestructive testing.
6. Select and design special concretes depending on their special applications.

- *Contents covered:*

1. Cements
2. Aggregates
3. Properties of fresh concrete
4. Chemical Admixtures
5. Mineral Admixtures

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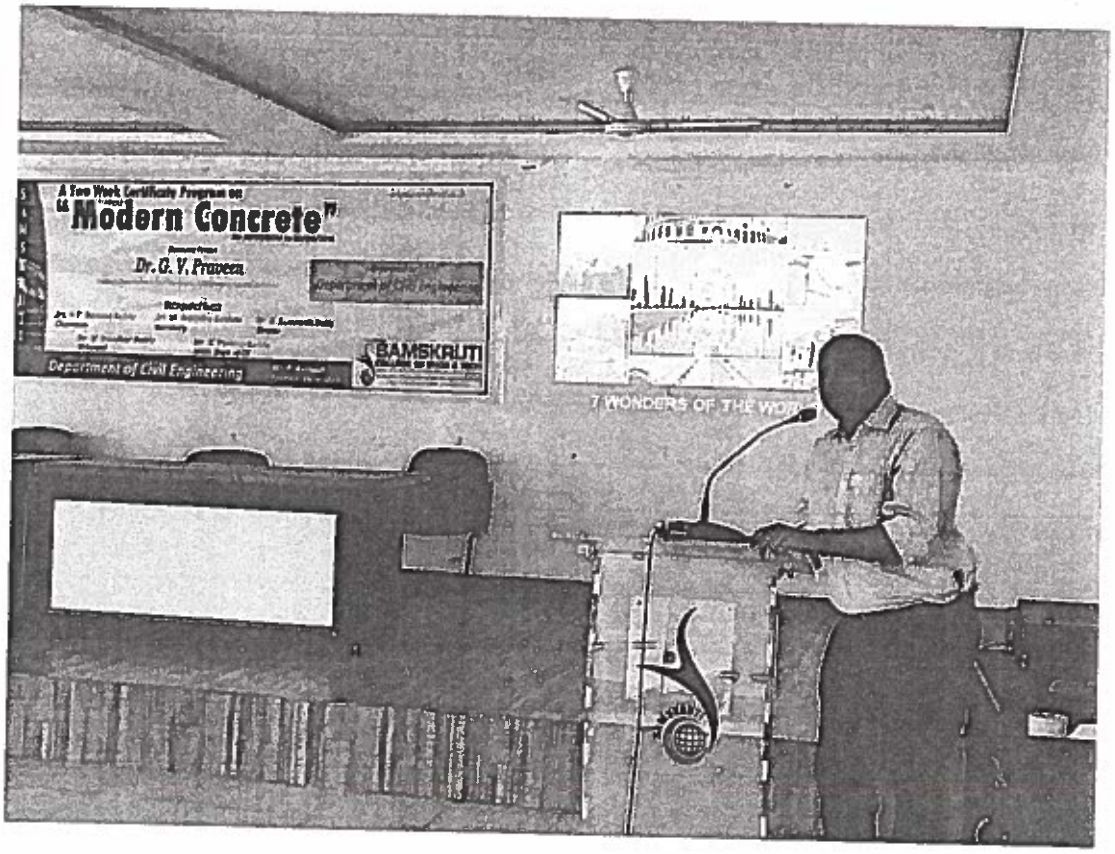
6. Proportioning of concrete mixtures
7. Properties of hardened concrete
8. Durability of concrete
9. Non-destructive testing of concrete
10. Special concretes
11. Special processes and technology for particular types of structure
12. Production and Quality Control of Concrete
13. Production and Quality Control of Concrete
14. Repair and Rehabilitation



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HOD

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:22-02-2017

PROGRAMME REPORT

- *Title of the Certification Programme:*

  "A TWO WEEK Certificate Programme on Design of Solar Panels"

- *Date:* 06th to 18th Feb, 2017

  Duration: **Two Weeks**

  Resource Person Details:

  A.SWATHI GUPTHA
  ASSOC.PROF.
  SHREE INSTITUTE OF TECHNICAL EDUCATION
  TIRUPATI

- *Number of Students Participated: 2 0*

- *Objective of the Program:*
  SOLAR PV CELL and its technologies are useful in global competitive environment and encouraged all of us for conducting such programs of skill development and knowledge enhancements.

- *Outcomes of the Program:*
  1. Faculty got knowledge regarding research challenges in renewable energy integration
  2. Understand the different converter topologies.
  3. Awareness about intelligent energy management system

Contents:

- Evolution In Industrial Automation (A Brief History)
- Different Type Of Industrial Control Mechanisms)
- Introduction To PLCs
- PLC Advantages Over Microcontrollers
- Area Of Applications
- DATA Flow During Automation
- Motor Drives Introduction & Their Need

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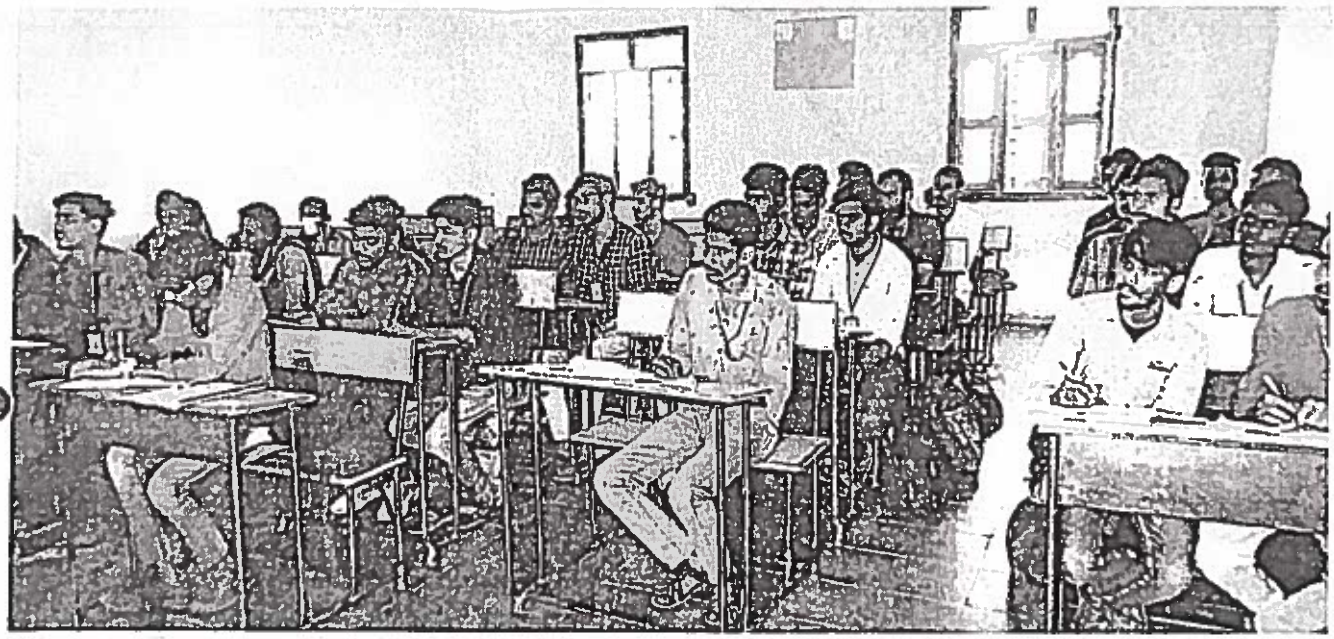

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2016-17

SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY

Kondapur(V), Ghatkesar(M),R.R Dist

DEPARTMENT OF MECHANICAL ENGINEERING

Date : 12/12/2016

CERTIFICATE PROGRAMME ON AUTOCAD

This is to inform that The Mechanical Department Organizing a "CERTIFICATE ROGRAMME ON AUTOCAD" from 19/01/2017 to 31/01/2017

About The Program :

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1. Introduction to AutoCAD Environment
2. Drafting:
   a. Development of part drawings for various components in the form of orthographic and isometric. Representation of dimensioning and tolerances
3. Part Modeling:
   a. Generation of various 3D Models through Protrusion, revolve, sweep. Creation of various features. Study of parent child relation. Feature based and Boolean based modeling.
   b. 4.Assembly Modeling. Study of various standard Translators. Design of simple components
4. Plotting drawing in AutoCAD

OORDINATOR

K RAKESH

HOD (MECH)

K VIJAY KUMAR

Principal

Dr. M. SREEDHAR REDDY

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DEPARTMENT OF MECHANICAL ENGINEERING

Date:-12/12/2016

CERTIFICATE PROGRAMME ON AUTOCAD

This is to inform that The Mechanical Department Organizing a "CERTIFICATE PROGRAMME N AUTOCAD" from 19/01/2017 to 31/01/2017

llowing Schedule:

S.NO	Topic Name	Number of sessions	DATE
1	Introduction to computer aided drafting	3	19/01/17
2	Software for CAD – Introduction to different softwares	3	20/01/17
3	Practice exercises on CAD software	3	21/01/17
4	Drawing of Machine parts using software i) Inventory, CAM	3	22/01/17
5	Introduction to Part Design Commands	3	23/01/17
6	Assembly Drawings	3	30/01/17
7	Basic Sheet metal commands	2	31/01/17

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HOD (MECH)

K VIJAY KUMAR

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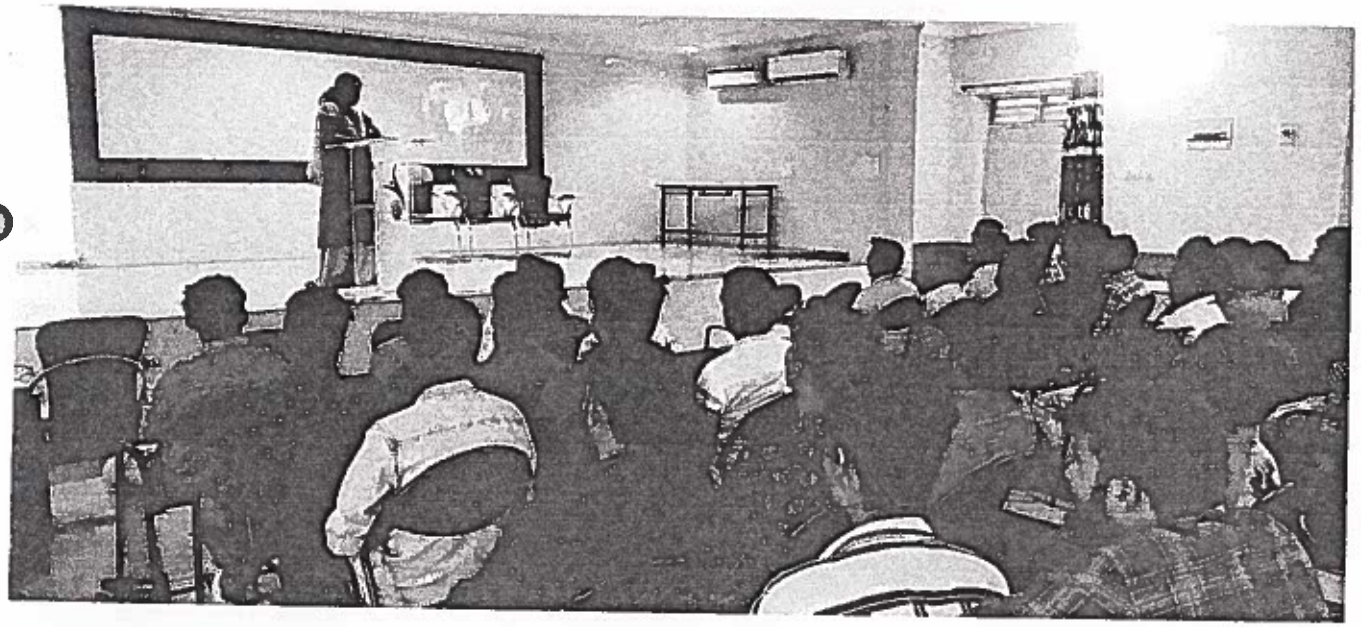
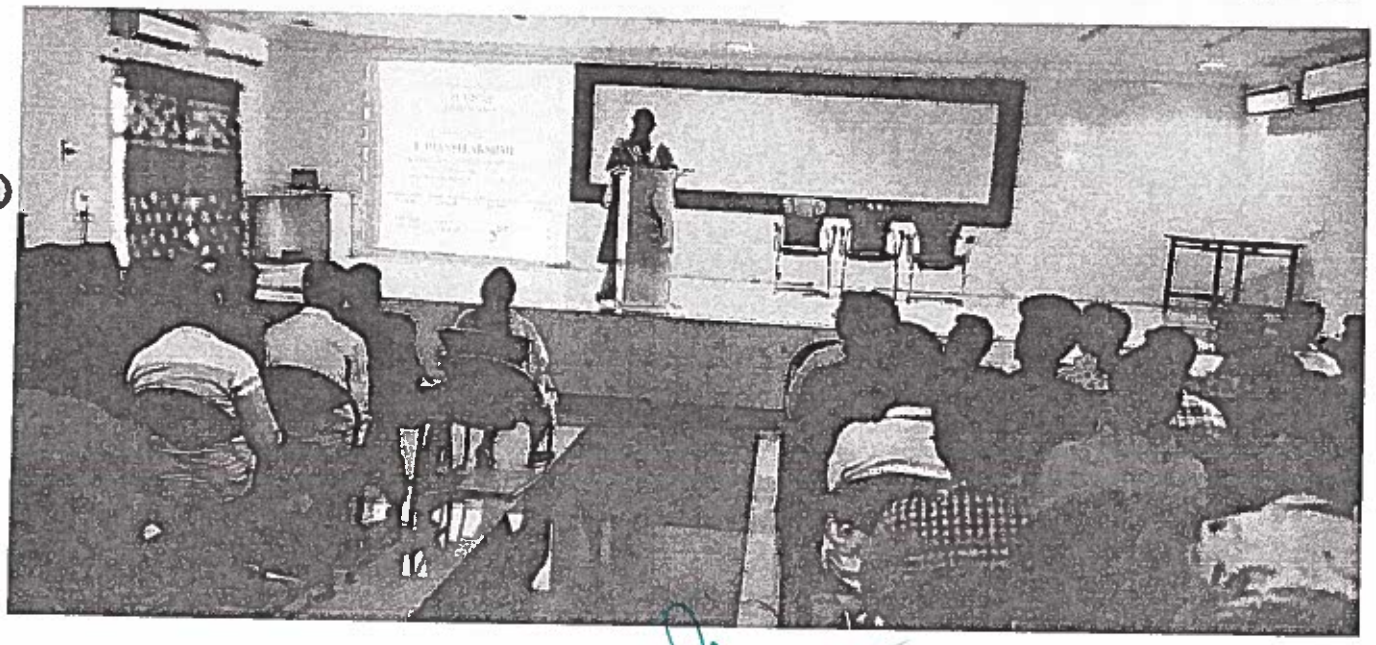
DEPARTMENT OF MECHANICAL ENGINEERING

A Two week Certificate program on 'AUTOCAD"

PHOTOGRAPHS





Rakesh

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Department Of Electronics and Communication Engineering

PROGRAM REPORT

- ***Title of the Certificate Programme:***

  A Two Week Certificate Program on "***BASICS OF MICRO CONTROLLER***".

- ***Date:*** 05-09-16 to 17-09-16
- ***Duration:*** Two Weeks

Resource Person Details: Mr.M.Sreeinivasulu,

Assoc.Professor, Department of ECE,
St.John's College of Engineering & Technology,
Yemmiganur, Kurnool.
Ph: 7386451974
Mail ID: srinivas42@gmail.com

- ***Number of Students Participated***: *63*
- ***Objective of the Program:***

Workshop was conducted by the resource person from St.John's College of Engineering & Technology, Yemmiganur, Kurnool. On Basics of Micro Controller. The workshop was dedicated in training the students on the design and manufacturing of a Micro Controller.

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- **Outcomes of the program:**

  - Gain knowledge on Micro Controller.
  - Gain knowledge on KEIL Software Tool.
  - Gain knowledge on programming Techniques and process.
  - Gain Knowledge on designing and programming Techniques.
  - Hands on session on micro controller design.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Dt: 28/07/2016

PROGRAM REPORT

- **Title of the Certification Programme:**

  "A Two Week Certificate Program on Big Data Analysis"

- **Date:** **11/07/2016 to 26/07/2016**
- **Duration: Two 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: 75**

- **Objective of the Program:**
  1. Be exposed to conceptual frame work of big data.
  2. Understand different techniques of Data Analysis.
  3. Be exposed to item sets, Clustering, frame works and Visualization.
  4. Be familiar with concepts of data streams.
- **Outcomes of the Program:**
  1. Understand Big data fundamentals..
  2. Learn various Data Analysis Techniques.
  3. Implement various Data streams.
  4. Understand item sets, Clustering, frame works & Visualizations.

- **Contents:**
  1. Big Data Platform
  2. Data Analysis
  3. Mining Data Streams
  4. Frequent Item sets and Clustering
  5. Frameworks and visualization

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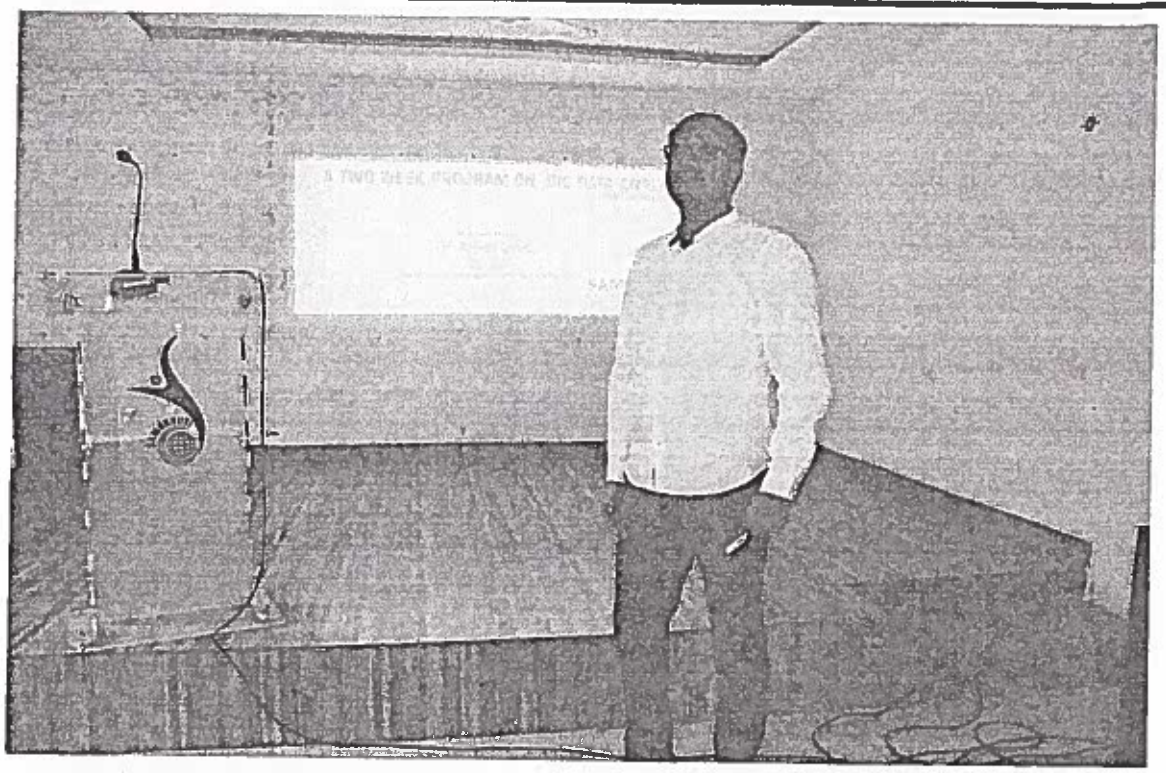

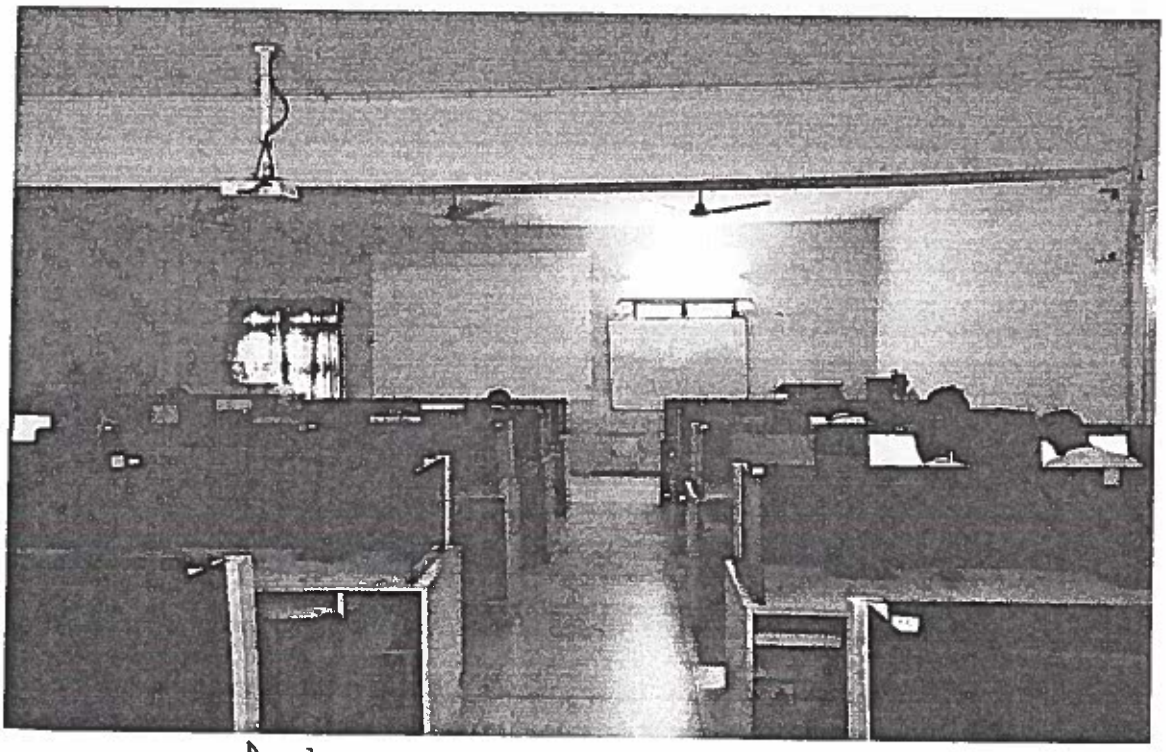

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Dt: 27/08/2016

PROGRAM REPORT

- **Title of the Certification Programme:**

  "A Two Week Certificate Program on Data Science"

- **Date:** **08/08/2016 to 23/08/2016**
- **Duration: Two 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: 1 8 6**

- **Objective of the Program:**
  1. Be exposed to define business problem.
  2. Understand different techniques of Data preparing, visualizing and analysing.
  3. Be exposed to spot patterns in data and make predictions.
  4. Be familiar with deploying and maintaining a models.
- **Outcomes of the Program:**
  1. Understand Data Science fundamentals..
  2. Learn various Data Prediction Techniques.
  3. Proficient with statistical analysis of data.
  4. Understand data preparation, spot patterns & Visualizations.

- **Contents:**
  1. Data Science introduction
  2. Machine learning
  3. Optimization techniques
  4. Data Visualization
  5. Predictive Analytics

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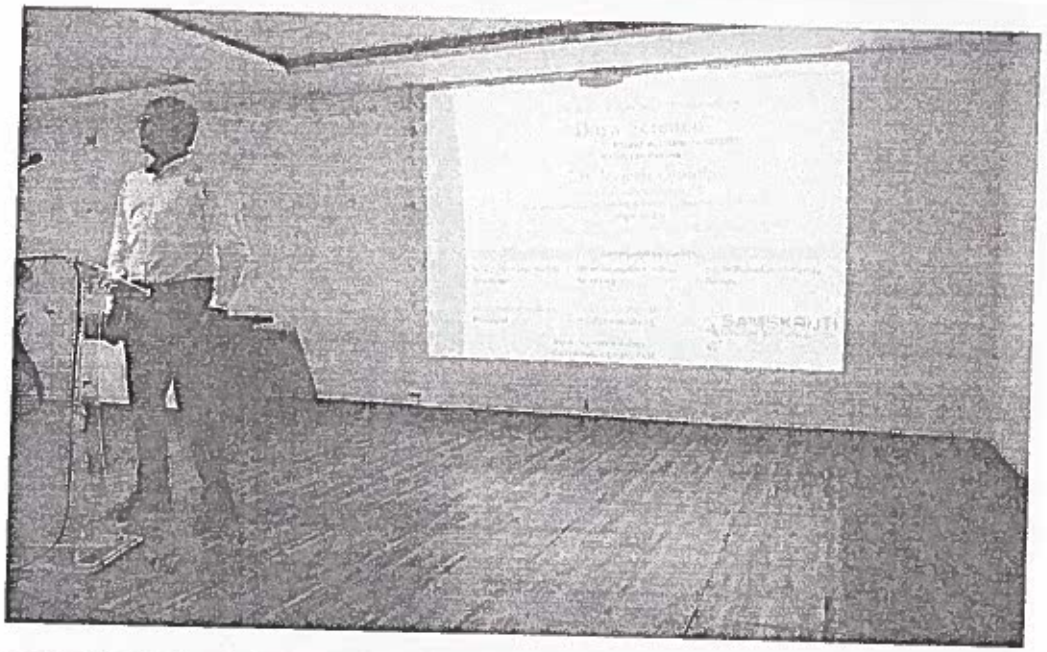

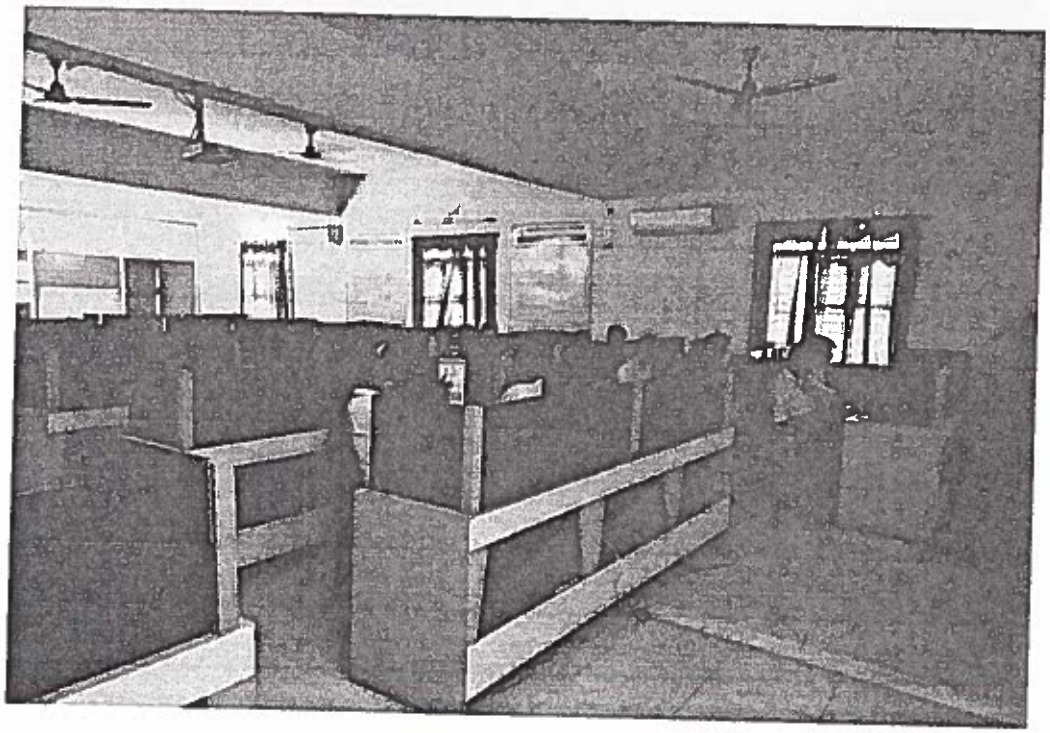

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DEPARTMENT OF BUSINESS MANAGEMENT

Date: 10/06/2017

PROGRAM REPORT

- **Title of the certification program:**
  "A Two Week Certificate Program on ERP(SAP)"
- **Date:** 27/05/2017 to 09/06/2017
- **Duration:** Two Weeks
- **Resource Person Details:** Dr. B.Aarthi
  Professor
  CMR Technical Campus
  dr.aarthi239@gmail.com
  Contact no. 8374398689
- **Number of Students Participated:** 78

- **Objectives of the Program:**

1. This course is designed to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.
2. As this course is useful for Commerce students to get placements in different offices as well as companies in Accounts departments.
3. The course covers the main features and components of Tally. It teaches the students to maintain accounts with and without inventory.
4. The multilingual feature of Tally helps in maintaining accounts in the different languages that are supported by Tally.
5. Students are also familiarized with the Point of Sale and Payroll features of Tally.

- **Outcomes of the Program:**

1. At the end of the programme, students were found confident towards using Tally ERP-9 software while solving practical problems.
2. Various concepts pertaining to formation of company & creation of different accounts under Tally ERP-9 was discussed in detail.
3. A detailed lecture on accounts and voucher entries were discussed along with practice session on individual basis.
4. Trainer made the students to create groups and ledgers.
5. Concepts of cost Centre were discussed also in details.
6. The students were provided with the thorough knowledge about the –Financial transactions involved in cost Centre, Taxation, which comprised of TDS, VAT.

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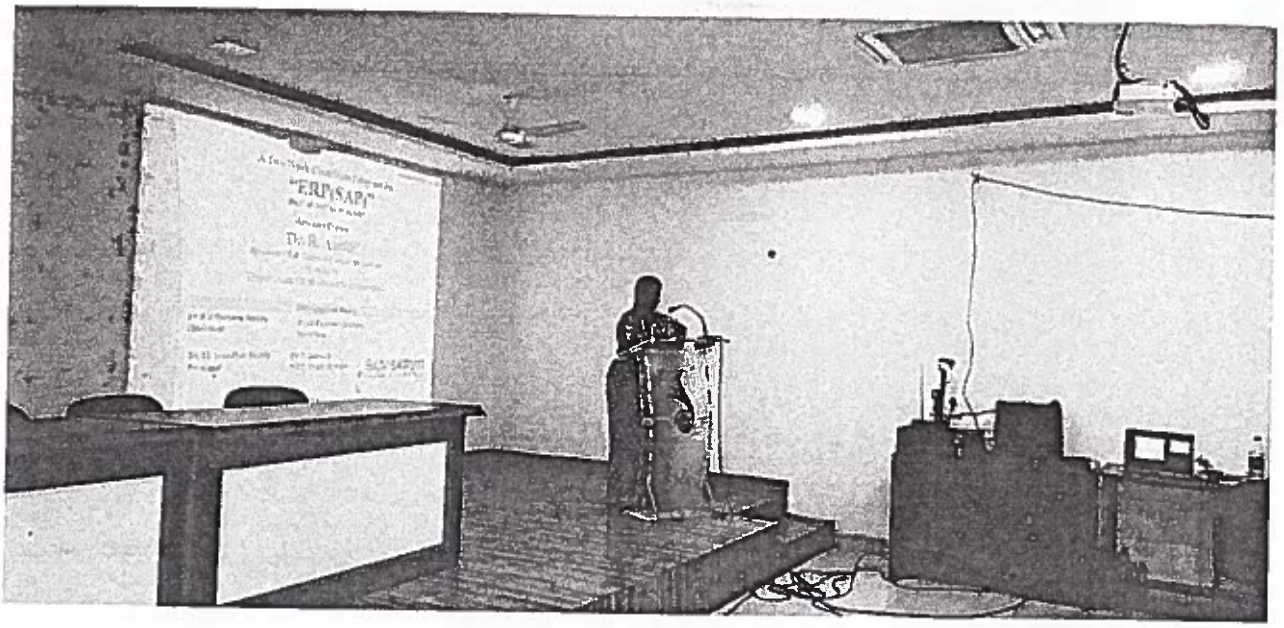

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DEPARTMENT OF CIVIL ENGINEERING

Dt: 04/08/2017

PROGRAM REPORT

- ***Title of the Certification Programme:***

  "A Three Week Certificate Program on Total Station & Surveying"

- ***Date:*** **10/07/2017 to 31/07/2017**
- ***Duration:*** **Three Weeks**
- ***Resource Person Details:***

  Mrs. M.Durga(PhD)
  Lecturer, Department of Civil Engineering,
  Arba Minch University, Ethiopia.
  Mobile: 9502574714
  Email: durgaraj.raj@gmail.com

- ***Number of Students Participated:*** **48**
- ***Objective of the Program:***

A total station is a modern surveying instrument that integrates an electronic theodolite with an electronic distance meter. Total stations also include up-to-date image capture technology, which can record any image or screen-view from surveying site, eliminating the need for costly revisits and producing high resolution images of site conditions. This workshop aims to provide the knowledge in total station. This workshop gives hands on training in total station which will be more helpful for the students, faculty members and research scholar to enrich their knowledge in the field of surveying and to understand the concepts of total station and its benefits in the real field of civil engineering.

- ***Outcomes of the Program:***

1. Understand the basic concept of total station and its applications; know measurements of horizontal and vertical angles.
2. Understand the usage of total station in the field of civil engineering land survey.
3. Understand the setting out of curves with different methods.
4. Understand the determination of distances and difference in elevation between two inaccessible points.
5. Able to understand various data using total station and transfer the data to computer and analyze it and build models using surveying software.

- ***Contents:***

1. History & Basics of Total Station.
2. Setting of Total Stations
3. Site Marking
4. Measurement of distances using EDM
5. Measurement of Angles
6. Measurements of Altitudes

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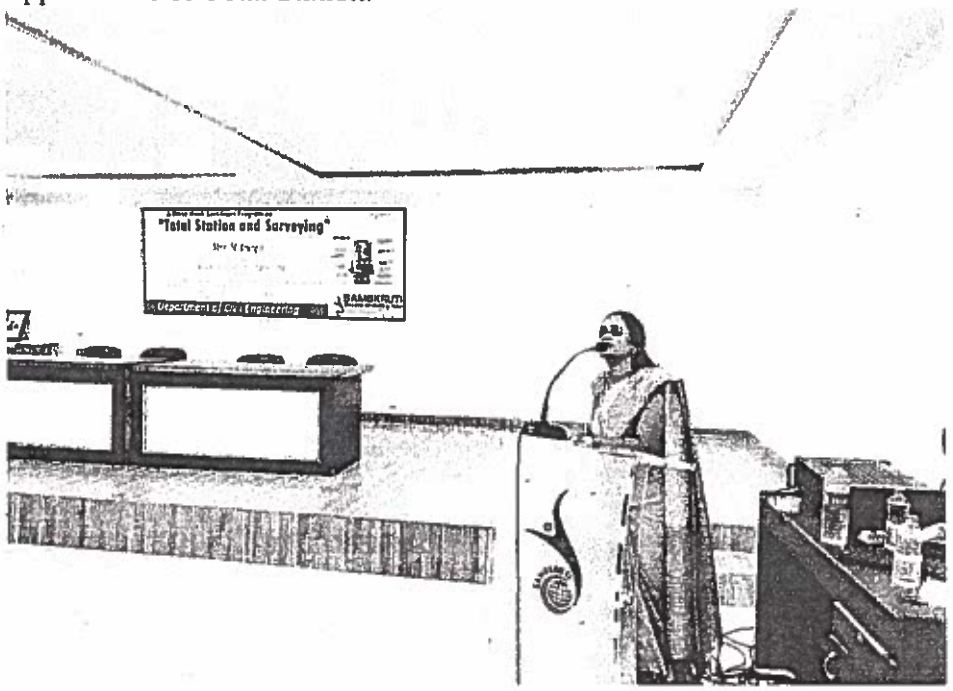
7. Area Calculations
8. Data record and transfer
9. Plotting Survey Data
10. Applications of Total Station.



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:27-02-2018

PROGRAMME REPORT

- *Title of the Certification Programme:*

  "A TWO WEEK CERTIFICATE PROGRAMME ON RECENT TRENDS IN INDUSTRIAL AUTOMATION"

- *Date:* 12th to 24th Feb, 2018

- *Duration:* Two Weeks

Resource Person Details:

G.VENU
Assoc.Prof
St. Peter's College of Engineering and Technology

- *Number of Students Participated:* 17
- *Objective of the Program:*

  PLC: introduction, types, leading hardware and software, logic development,important instruction, Industrial real applications, Industrial I/Ps & O/Ps, PLCwiring & Industrial project development. HMI/MMI: Introduction, interfacing with PLC, screen development, digital & analog data configuration, analog data scaling, password level, screen display & Industrial project development.

- *Outcomes of the Program:*
  1. Faculty got knowledge regarding research challenges in renewable energy integration
  2. Understand the different converter topologies.
  3. Awareness about intelligent energy management system

Contents:

- New technology in industrial automation
- Smart Grid
- Buck-boost Transformer
- Power Generation through Footstep
- Modern Trends in Machine Design Technology

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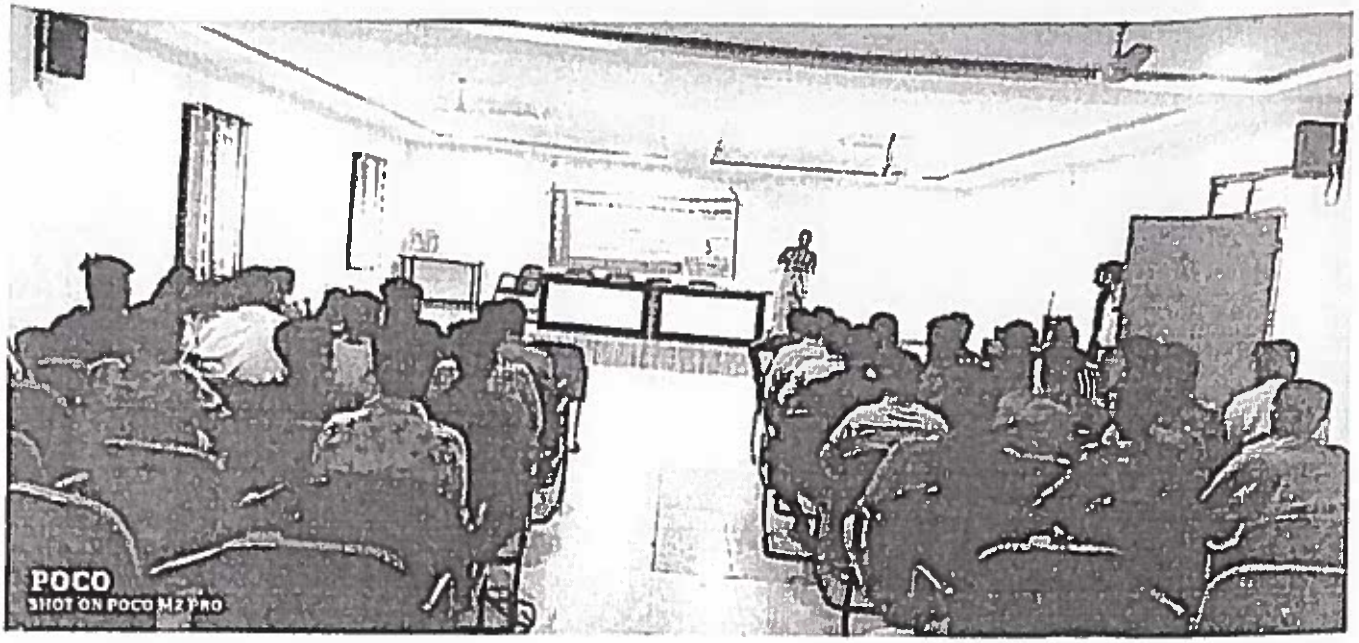
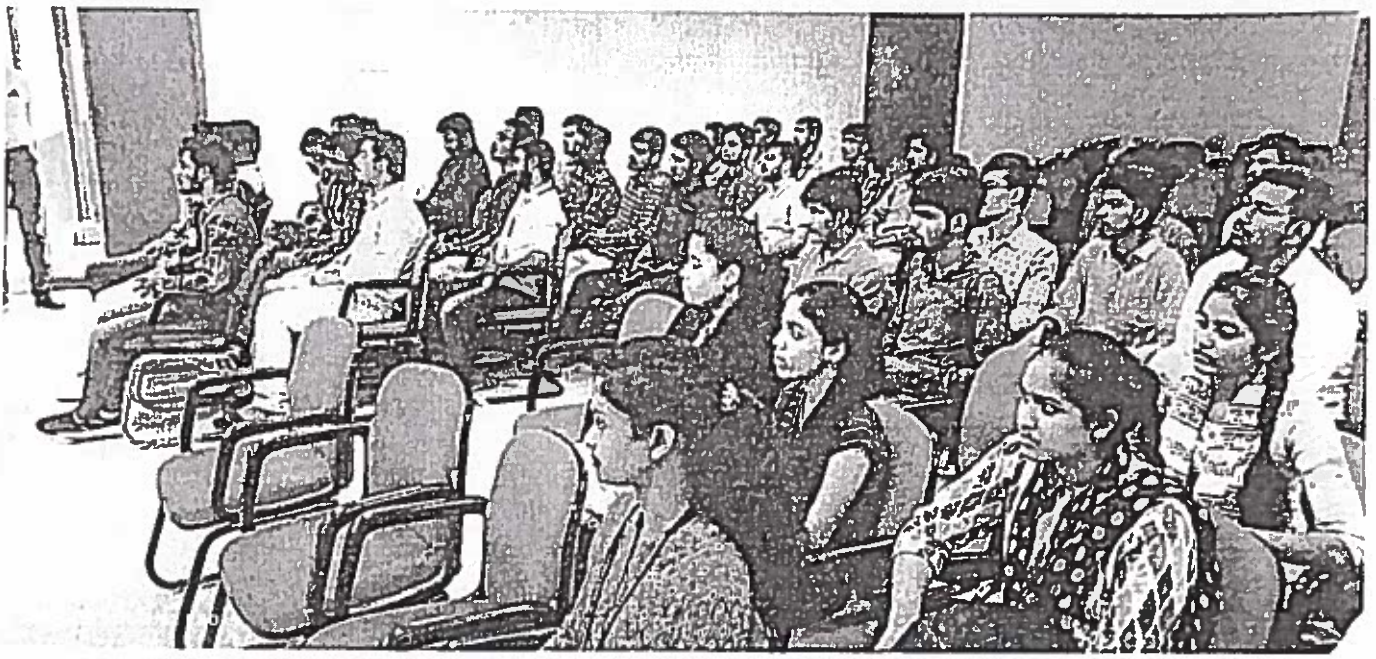
Photos:





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DEPARTMENT OF MECHANICAL ENGINEERING

Date : 10/08/2017

CERTIFICATE PROGRAMME ON AUTOCAD

This is to inform that The Mechanical Department Organizing a "Add on PROGRAMME ON ADVANCE APPLICATIONS OF AUTOCAD" from 03/09/2017 to 8/09/2017

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About The Program :

1. Introduction to AutoCAD Environment
2. Drafting:
   a. Development of part drawings for various components in the form of orthographic and isometric. Representation of dimensioning and tolerances
3. Part Modeling:
   a. Generation of various 3D Models through Protrusion, revolve, sweep. Creation of various features. Study of parent child relation. Feature based and Boolean based modeling.
   b. 4.Assembly Modeling. Study of various standard Translators. Design of simple components
4. Plotting drawing in AutoCAD
5. Advance modules

COORDINATOR

K ANUSHA

HOD (MECH)

K VIJAY KUMAR

Principal

Dr. J. GOVARDHAN

Principal

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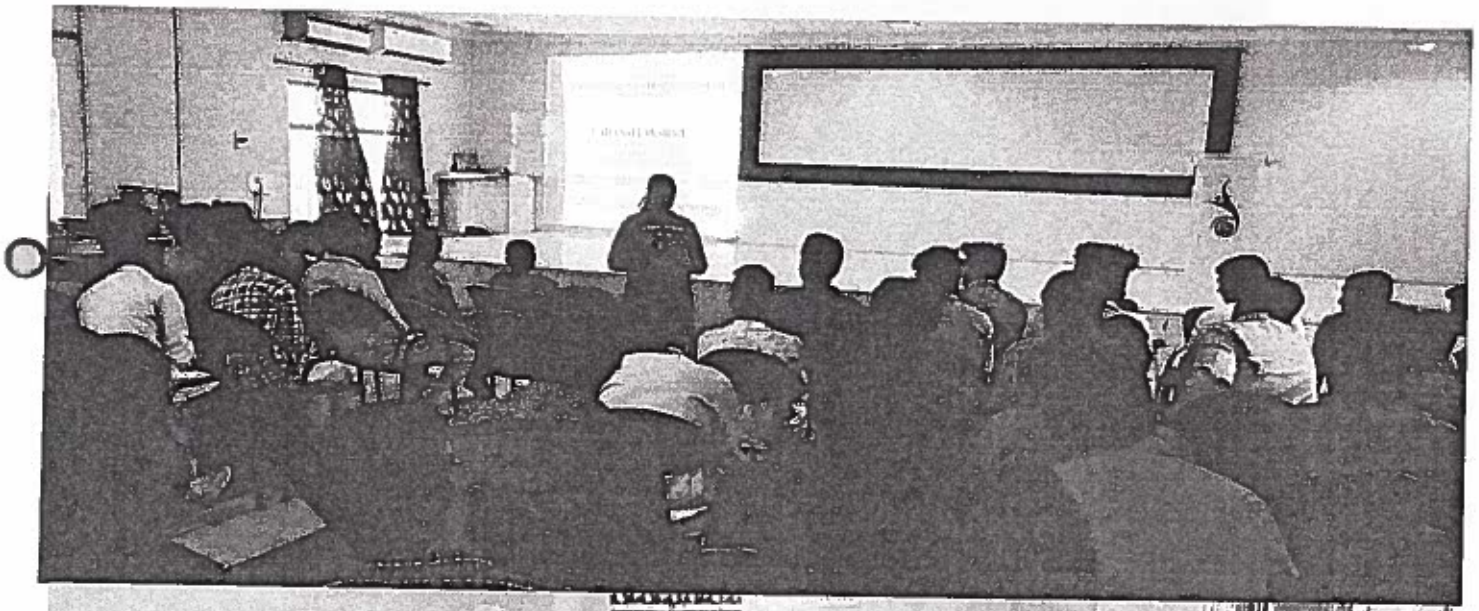
DEPARTMENT OF MECHANICAL ENGINEERING

A Two week certificate program on "Advanced applications of AUTOCAD"

PHOTOGRAPHS



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Department Of Electronics and Communication Engineering

PROGRAM REPORT

- *Title of the Certificate Programme:*

  A Two Week Certificate Program on "**8051 MICRO CONTROLLER AND ITS APPLICATIONS**".

- *Date:* 07-08-17 to 21-08-17
- *Duration:* Two Weeks

Resource Person Details: Mr.M.Sreeinivasulu,

Assoc.Professor, Department of ECE,
St.John's College of Engineering & Technology,
Yemmiganur, Kurnool.
Ph: 7386451974
Mail ID: srinivas42@gmail.com

- *Number of Students Participated*: *36*
- *Objective of the Program:*

- Learn how to write different programs in **Embedded C Language.**
- Get good practice with the usage of **KEIL Micro Vision IDE tool** to write programs and converting them into Hex files.
- Learn to dump the hex files into Micro Controller virtually using **Proteus tool** and verify the operation visually.
- Get the awareness on different projects based on the applications of 8051 Micro-controller which will be useful to do their mini projects.

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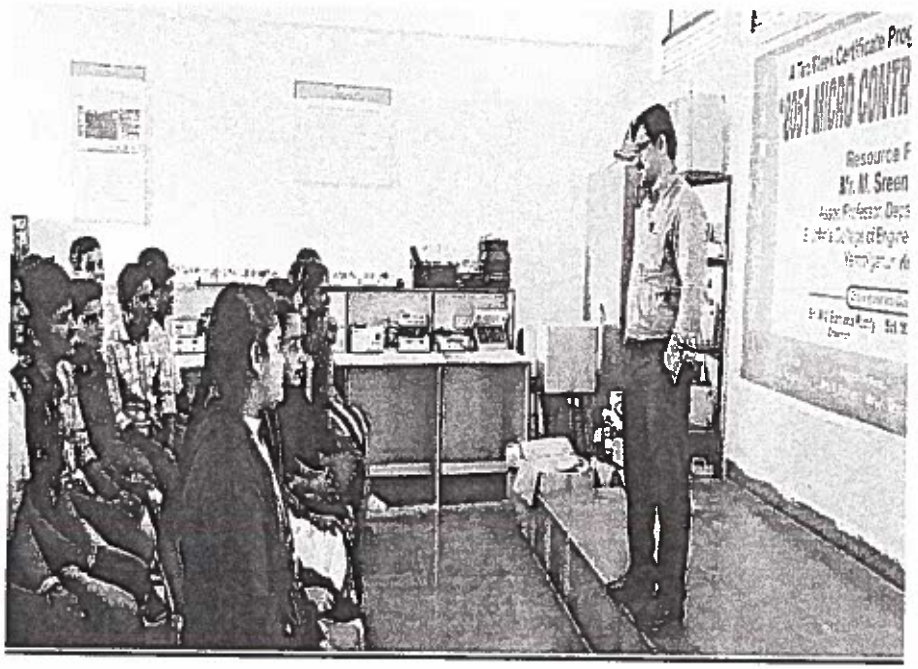

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Outcomes of the program:

- Gain knowledge on 8051 Micro Controller and its architecture.
- Gain knowledge on Basic C Programming and working on KEIL Software.
- Gain knowledge on Basic C Programming and working on Proteus Software.
- Hands on session for Interfacing of Hardware with Software.
- Hands on session with LED, LCD, and other interfacing modules.

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Date:26/07/2017

PROGRAM REPORT

- ***Title of the Certification Programme:***

  "A Three Week Certificate Program on Android Application Programming"

- ***Date:*** **03/07/2017 to 24/07/2017**
- ***Duration:*** **Three Weeks**
- ***Resource Person Details:*** ***Mr. G.Ravinder***

  Asst Prof, Dept of CSE,

  VMIT

  9849053205
- ***Number of Students Participated:*** **5 0**
- ***Objective of the Program:***
  1. Learn and obtain hands-on experience in developing basic and advanced Android apps.
  2. The course begins with an overview of required Java programming knowledge.
  3. Android development and create various apps that utilize different capabilities of a modern Android phone.
  4. During the course we will work with the most advanced IDEs including Eclipse and IntelliJIDEA (Android Studio).

- ***Outcomes of the Program:***
  1. Install and develop the Android application development tools.
  2. Design and develop user interfaces for the Android platform.
  3. Apply Java concepts to Android application development.
  4. Understands the working of the Android application practically.
  5. They will be able to develop, deploy and maintain the Android applications.

- ***Contents:***
  - Introduction to the mobile apps
  - Introduction to Android and Android Architecture
  - Android Components and basic UI design
  - Menu and Indents and Style
  - Testing and debugging Android application
  - Android Application Deployment

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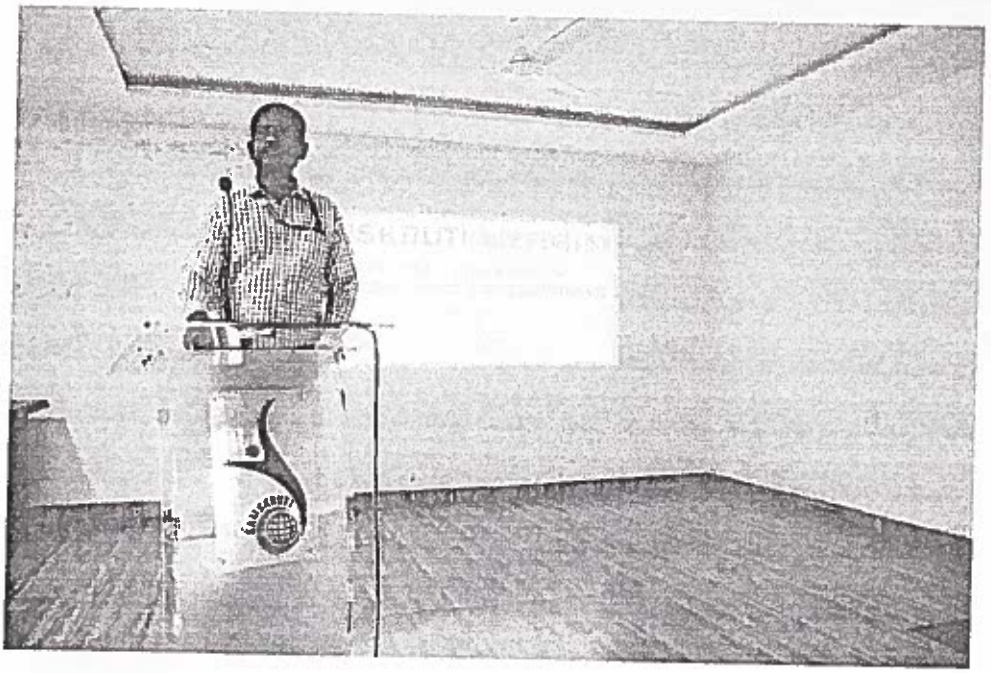

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Date: 31/08/2017

PROGRAM REPORT

- *Title of the Certification Programme:*

  "A Three Week Certificate Program on Internet of Things"

- *Date:* **07/08/2017 to 28/08/2017**
- *Duration:* **Three Weeks**
- *Resource Person Details:* ***G. Prudhvi Raj***

  Asst Prof, Dept of CSE,

  Siddartha Institute of Technology and Sciences

  9912697132
- *Number of Students Participated:* **34**

- *Objective of the Program:*
  1. The Internet of Things (IOT) is aimed at enabling the interconnection and integration of the physical world and the cyber space.
  2. It represents the trend of future networking, and leads the third wave of the IT industry revolution.
  3. IoT covers a wide spectrum of applications, including the detailed real-time sensing of our environment and the embedding of connected intelligence into everyday objects. expertise.

- *Outcomes of the Program:*
  1. Able to understand the application areas of IOT ·
  2. Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks.
  3. Able to understand building blocks of Internet of Things and characteristics.
- *Contents:*
  1. Introduction to Internet of Things
  2. Design of IOT
  3. IOT Protocols
  4. IOT enabled Technologies
  5. Cloud Computing

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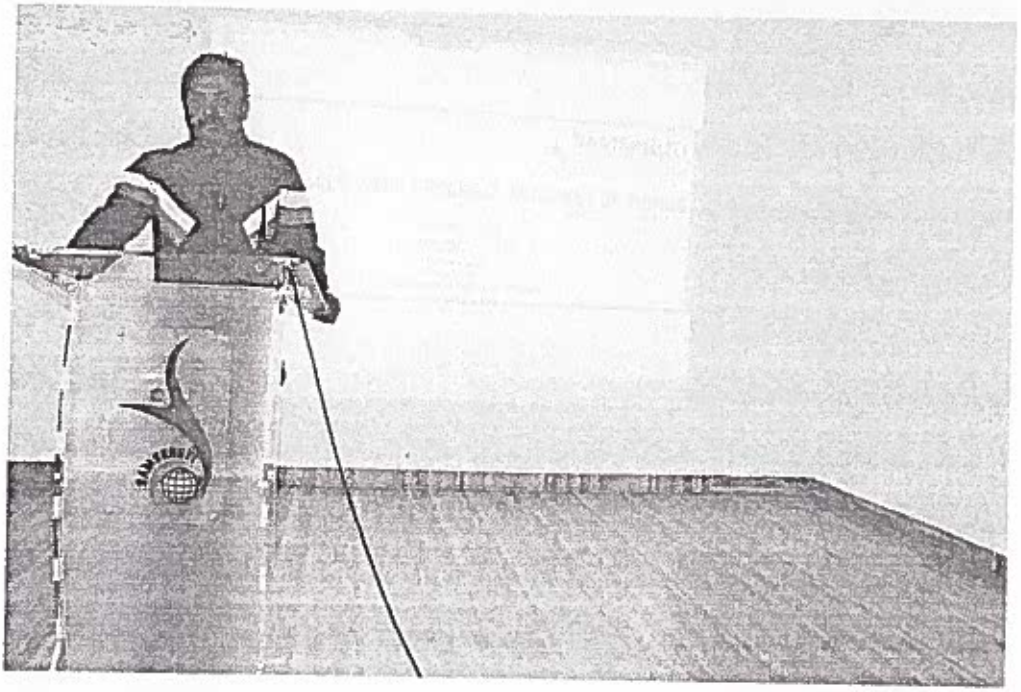

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DEPARTMENT OF BUSINESS MANAGEMENT

Date: 07/03/2018

PROGRAM REPORT

- **Title of the certification program:**
  "A Three Week Certificate Program on TALLY"
- **Date:** 14/02/2018 to 06/03/2018
- **Duration:** Three Weeks
- **Resource Person Details:** Ms. R.Mallishwari
  Assistant Professor
  Farah Institutions of Science and Technology
  mallishwari.rajupeta@gmail.com
  Contact no. 8186092833
- **Number of Students Participated:** 68

- **Objectives of the Program:**

1. This course is designed to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.
2. As this course is useful for Commerce students to get placements in different offices as well as companies in Accounts departments.
3. The course covers the main features and components of Tally. It teaches the students to maintain accounts with and without inventory.
4. The multilingual feature of Tally helps in maintaining accounts in the different languages that are supported by Tally.
5. Students are also familiarized with the Point of Sale and Payroll features of Tally.

- **Outcomes of the Program:**

1. At the end of the programme, students were found confident towards using Tally software while solving practical problems.
2. Various concepts pertaining to formation of company & creation of different accounts under Tally was discussed in detail.
3. A detailed lecture on accounts and voucher entries were discussed along with practice session on individual basis.
4. Trainer made the students to create groups and ledgers.
5. Concepts of cost Centre were discussed also in details.
6. The students were provided with the thorough knowledge about the –Financial transactions involved in cost Centre, Taxation, which comprised of TDS, VAT.

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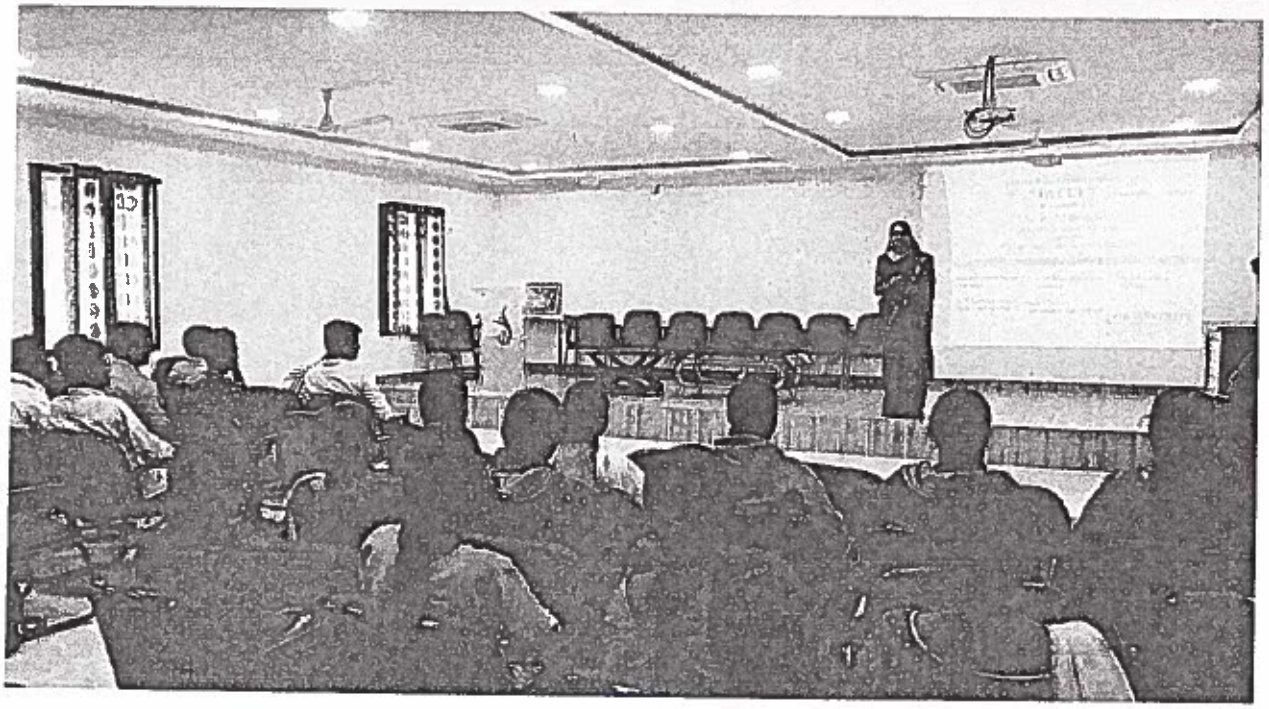

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DEPARTMENT OF CIVIL ENGINEERING

Dt:28/12/2018

PROGRAM REPORT

- ***Title of the Certification Programme:***

  "A Three Week Certificate Program on Geographical Information System"

- ***Date:*** **03/12/2018 to 24/12/2018**
- ***Duration:*** **Three Weeks**
- ***Resource Person Details:*** **Mr.R.Laxman Reddy(Phd)**
  Assistant Professor, Department of Civil Engineering,
  Srinidhi Institute of Science and Technology.
  Mobile: 8008970499
  Email: laxmanareddyr@sreenidhi.edu.in
- ***Number of Students Participated:*** **56**
- ***Objective of the Program:***

GIS is a relatively recent discipline and is an area of emerging technology with a phenomenal growth over last four decades. The digital data handling led to the development of GIS (Geographical Information System). GIS and GPS techniques have dramatically enhanced human capability for natural and manmade resources exploration, mapping and monitoring on local and global scale. The course is not only going to enhance job opportunity for the civil students but shall also open an avenue of effective and viable interaction with national establishments related to various aspects of GIS.

- ***Outcomes of the Program:***

1. Understand the principles of aerial and satellite remote sensing, Able to comprehend the energy interactions with earth surface features, spectral properties of water bodies
2. Understand the basic concept of GIS and its applications, know different types of data representation in GIS
3. Understand and Develop models for GIS spatial Analysis and will be able to know what the questions that GIS can answer are
4. Apply knowledge of GIS software and able to work with GIS software in various application fields
5. Illustrate spatial and non spatial data features in GIS and understand the map projections and coordinates systems

- ***Contents:***

1. Review of GIS Analysis and Resource Planning
2. Data management in a geodatabase environment
3. Solving spatial problems with query and analysis

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4. Planning scenario analysis
5. Analysis Project
6. disaster management
7. Impact Assessment

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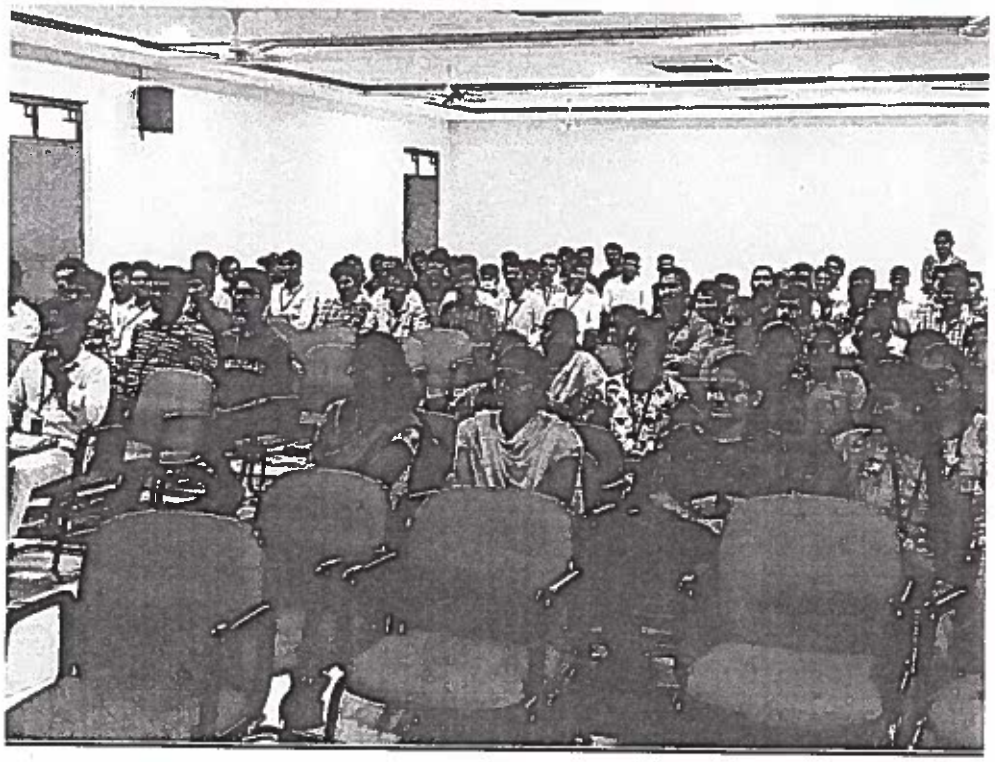

Coordinator

C.S.C. Devadas
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:29-10-2018

PROGRAM REPORT

- *Title of the Certification Programme:*

  "A TWO WEEK CERTIFICATE PROGRAMME ON SOLAR SYSTEM BASED GRID AUTOMATION"

- *Date:* 15th to 26th Oct, 2018

- *Duration:* Two Weeks

Resource Person Details: **H.Kishan**

Asst.Prof

Department of EEE

Vignana Bharathi Institute Of Technology

- *Number of Students Participated:* 42

- *Objective of the Program:*

Energy management is integral to government operations. From running bases and training facilities to powering manufacturing plants and communication systems, federal agencies rely on energy to maintain readiness and resiliency for mission operations.Today federal agencies are under increasing pressure to not only improve energy security and reliability, but to achieve and maintain annual reductions in energy use and implement energy efficiency measures that reduce costs.

- *Outcomes of the Program:*

- More efficient transmission of electricity
- Quicker restoration of electricity after power disturbances
- Reduced operations and management costs for utilities, and ultimately lower power costs for consumers

- *Contents:*

- Home Appliances using Android App Server
- Wifi Based Cloud Home Automation
- Control wireless on wifi
- Solar powered electronics components
- Android App Testing
- Solar Based Mobile Charger

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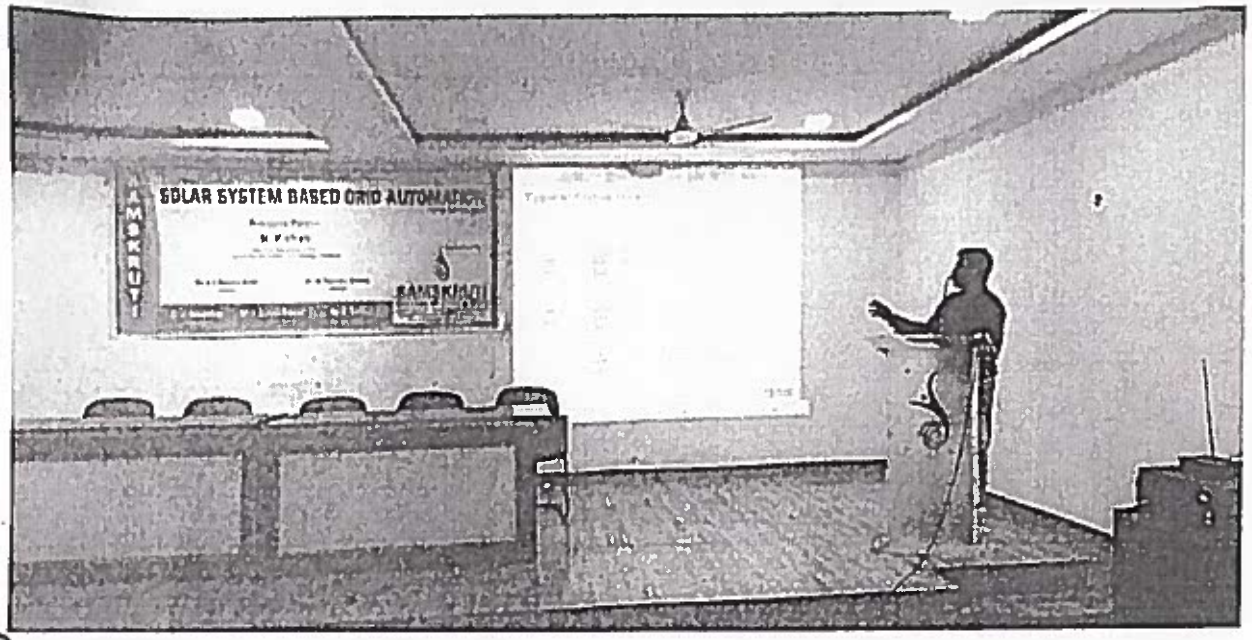
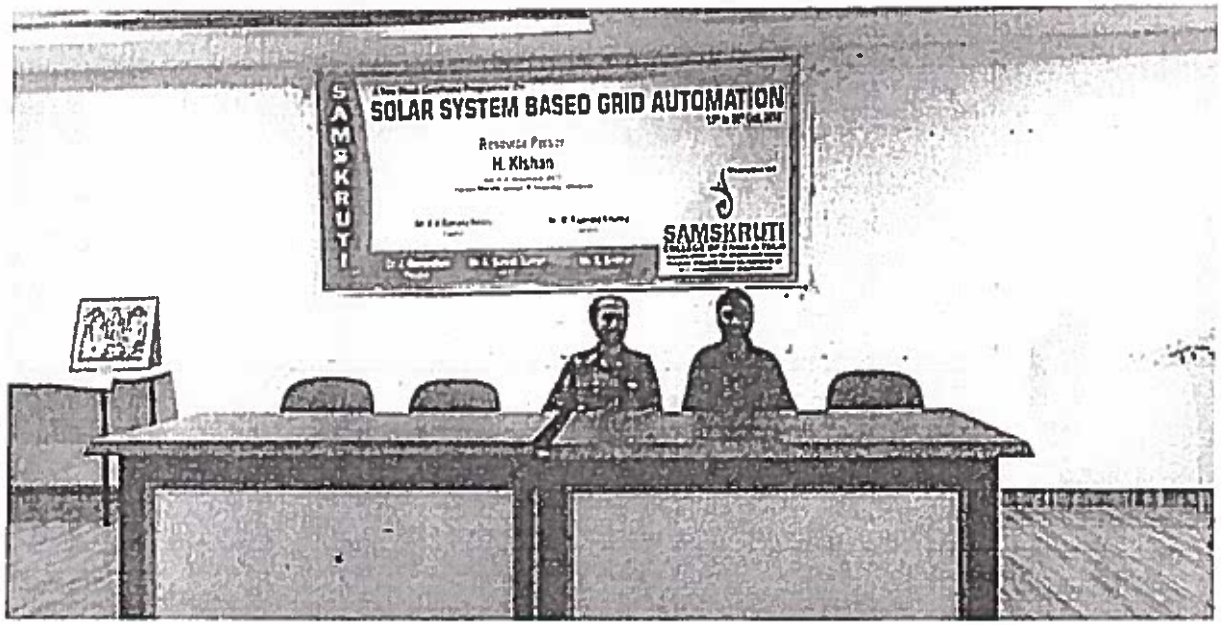
Photos:





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DEPARTMENT OF MECHANICAL ENGINEERING

PROGRAM REPORT ON TWO WEEK CERTIFICATION ON RECENT INNOVATION ON AUTOCAD

Title of the Certification Programme:"A Two Week Certificate Program on Recent Innovation on AutoCAD"

Date: 22-10-2018 to 2-11-2018

Duration: Two Weeks

Resource Person Details: Mr V Mouni Sashi Tej

Sr. Design Engineer

Melorite Engg pvt ltd

Former Advisor

7th Gear Automotive & Automobes India pvt ltd

Number of Students Participated: 63

Objective of the Program:

a) To Use AutoCAD for daily working process.
b) To Navigate throughout AutoCAD using major navigating tools.
c) To understand the concept and techniques to draw.
d) To create multiple designs using several of tools.
e) To create layers to control the objects' visibility.
f) To explain drawing using annotations.
g) To Plot or print the drawing by scale.
h) To use constraint for certain design.

Program Outcomes:

a) Student's ability to perform basic sketching techniques will improve.
b) Students will be able to draw projections and sections.
c) Student's ability to use engineering scales will increase.
d) Student's ability to produce engineered drawings will improve
e) Students will become familiar with AutoCAD two-dimensional drawings.

Program Contents:

- Introduction to AutoCAD
- Basic Drawing and Printing
- Editing Drawings
- Dimensioning and Tolerances
- Additional AutoCAD Applications

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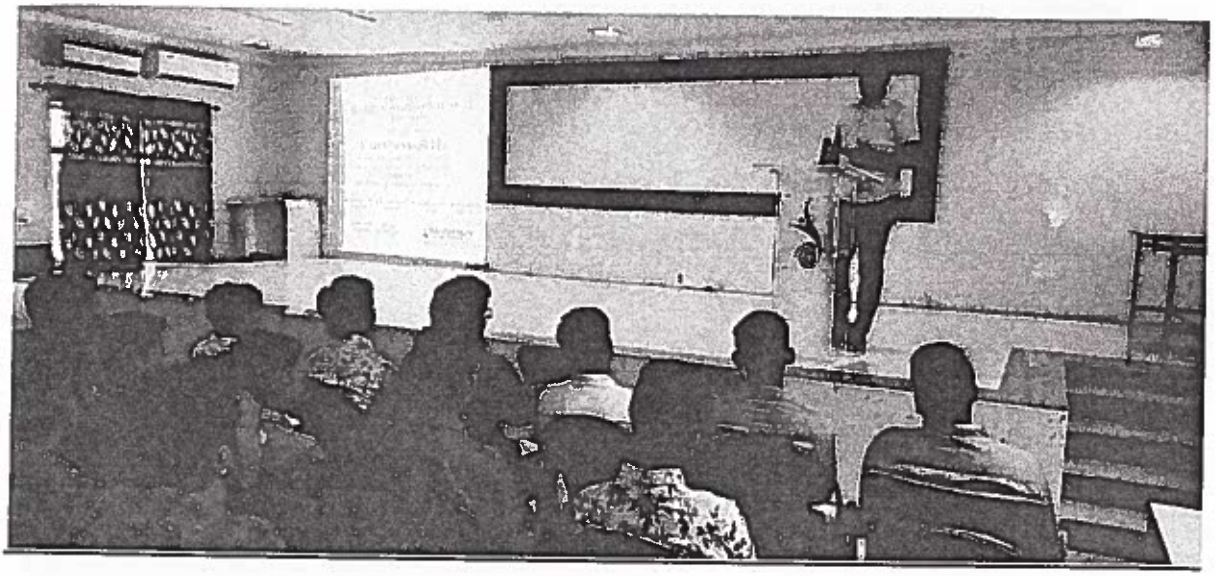
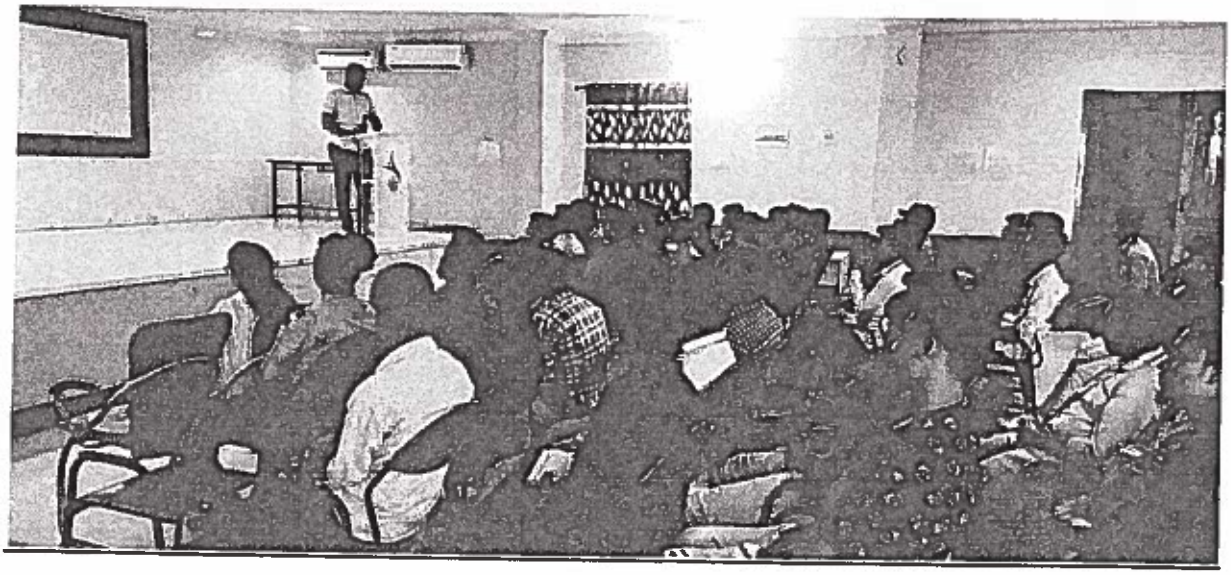
DEPARTMENT OF MECHANICAL ENGINEERING

PHOTOGRAPHS





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DEPARTMENT OF MECHANICAL ENGINEERING

A TWO WEEK CERTIFICATE PROGRAM ON RECENT INNOVATION ON AUTOCAD

DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	Review on AutoCAD
DAY2	Guide to AutoCAD basics controls/practice session
DAY 3	Commands for basics Shapes, editing commands Hand function key reference
DAY 4	practice
DAY 5	Review on Dimensioning and Hatching,create own drawing template file /practice session
DAY 6	practice
DAY 7	Basics of 3D Modeling/ Practice session
DAY 8	Practice session
DAY 9	Review on user co-ordinate system(UCS)/practice session
DAY 10	Review on Overlapping objects/practice session
DAY 11	Practice session
DAY 12	Output to a PDF file (continued)

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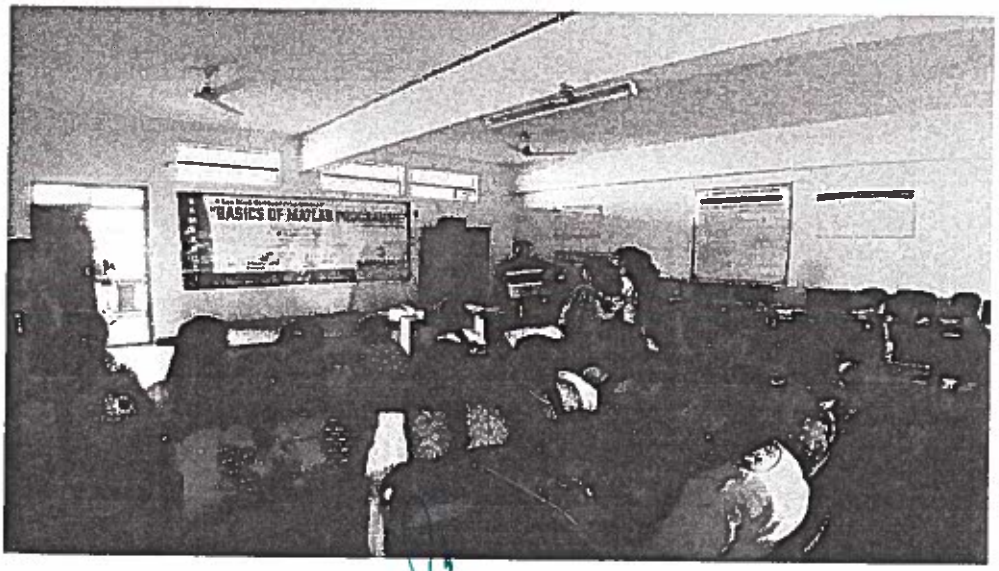
Department Of Electronics and Communication Engineering

PROGRAM REPORT

- ***Title of the Certificate Programme:***
  A Two Week Certificate Program on **"*BASICS OF MATLAB PROGRAMME*".**

- ***Date:*** 16-07-18 to 31-07-18
- ***Duration:*** Two Weeks
  Resource Person Details: Mr.P.Surender Babu, Managing Director,
  Technology Learning Centre Pvt Ltd, Hyderabad..
  Ph: 9100484799
  Mail ID:surendraa456@gmail.com
- ***Number of Students Participated***: *310*
- ***Objective of the Program:***

The workshop was aimed to provide knowledge about Complete MAT LAB using simulation tool to test electronics & electrical circuit in software environment, MAT LAB software is used in any application like signal processing, image processing and in designing various communication modules so that any student can make project on his own. Almost 310 students from all the departments have participated in the workshop.



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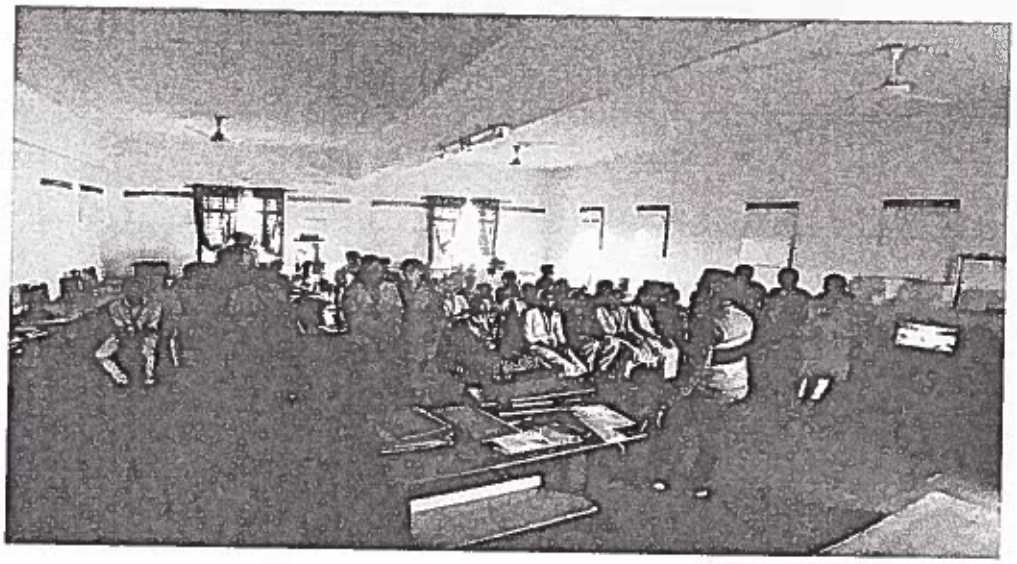

Outcomes of the program:

- Gain knowledge on basics of MAT LAB
- Gain knowledge on simulation Design
- Hands on session for MAT LAB programming.
- Hands on session for application oriented signal processing..
- Hands on session for application oriented image processing.

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Department Of Electronics and Communication Engineering

PROGRAM REPORT

- ***Title of the Certificate Programme:***
  A Two Week Certificate Program on "MATLAB & ITS APPLICATIONS WORKSHOP".

- ***Date:*** 13-08-18 to 26-08-18
- ***Duration:*** Two Weeks

Resource Person Details: Mrs. K.Vanisree,
Assoc.Prof, ACE college of Engg & Tech,
Hyderabad
Ph: 9959449708
Mail ID:kannanvanisree70@gmail.com

Number of Students Participated: *37*

- ***Objective of the Program:***

The workshop was aimed to provide knowledge about Complete MAT LAB using simulation tool to test electronics & electrical circuit in software environment, Mat Lab software is used in any application like signal processing, image processing and in designing various communication modules so that any student can make project on his own. Almost 37 students from II ECE have participated in the workshop.

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Outcomes of the program:

- Gain knowledge on basics of MATLAB.
- Gain knowledge on simulation Design
- Hands on session for Mat lab programming.

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- Hands on session for application oriented signal processing.
- Hands on session for application oriented image processing.

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Dt: 31/07/2018

PROGRAM REPORT

- **Title of the Certification Programme:**

  "A Two Week Certificate Program on ETHICAL HACKING"

- **Date:** **16/07/2018 to 30/07/2018**
- **Duration:** **Two Weeks**
- **Resource Person Details:** **Ch. Murali Krishna**
  Asst prof, Dept of CSE
  St. Marry's Engineering college
  7893579830
- **Number of Students Participated: 39**

- **Objective of the Program:**
  1. The purpose of ethical hacking is to evaluate the security of and identify vulnerabilities in target systems, networks or system infrastructure.
  2. The process entails finding and then attempting to exploit vulnerabilities to determine whether unauthorized access or other malicious activities are possible.
- **Outcomes of the Program:**
  1. Plan a vulnerability assessment and penetration test for a network.
  2. Execute a penetration test using standard hacking tools in an ethical manner.
  3. Report on the strengths and vulnerabilities of the tested network.
  4. Identify legal and ethical issues related to vulnerability and penetration testing.

- **Contents:**
  1. Footprinting and Reconnaissance
  2. Scanning Networks
  3. Enumeration
  4. Sniffing

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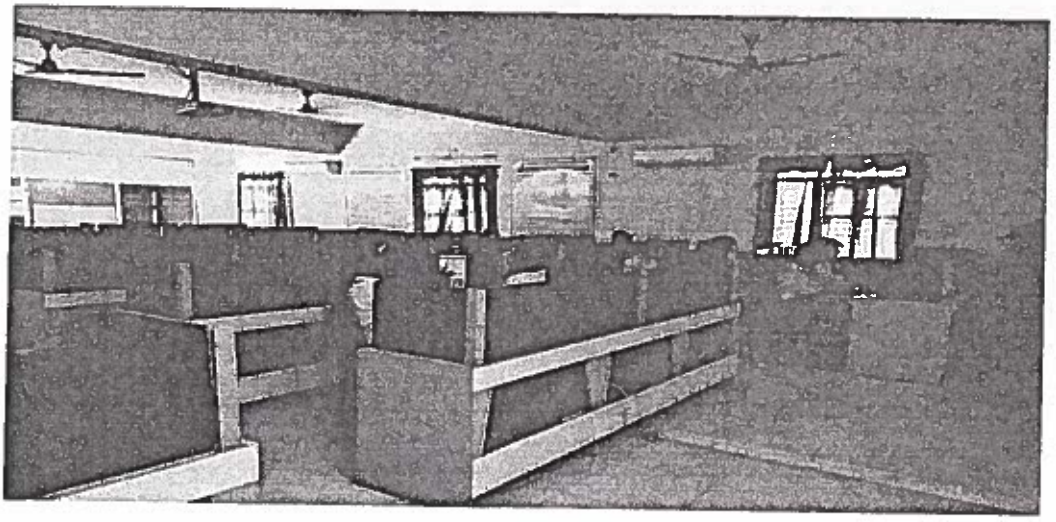

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DEPARTMENT OF BUSINESS MANAGEMENT

Date: 17/10/2018

PROGRAM REPORT

- **Title of the certification program:**
  "A Four Week Certificate Program on TALLY"

- **Date:** 19/09/2018 to 16/10/2018
- **Duration:** Four Weeks
- **Resource Person Details:** Dr.K. Sankara Rao
  Professor
  Holly Marry Institute of Technology and Management
  sankarkarri@gmail.com
  Contact no. 9440339296
- **Number of Students Participated:** 60

- **Objectives of the Program:**

1. This course is designed to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.
2. As this course is useful for Commerce students to get placements in different offices as well as companies in Accounts departments.
3. The course covers the main features and components of Tally. It teaches the students to maintain accounts with and without inventory.
4. The multilingual feature of Tally helps in maintaining accounts in the different languages that are supported by Tally.
5. Students are also familiarized with the Point of Sale and Payroll features of Tally.

- **Outcomes of the Program:**

1. At the end of the programme, students were found confident towards using Tally software while solving practical problems.
2. Various concepts pertaining to formation of company & creation of different accounts under Tally was discussed in detail.
3. A detailed lecture on accounts and voucher entries were discussed along with practice session on individual basis.
4. Trainer made the students to create groups and ledgers.
5. Concepts of cost Centre were discussed also in details.
6. The students were provided with the thorough knowledge about the –Financial transactions involved in cost Centre, Taxation, which comprised of TDS, VAT.

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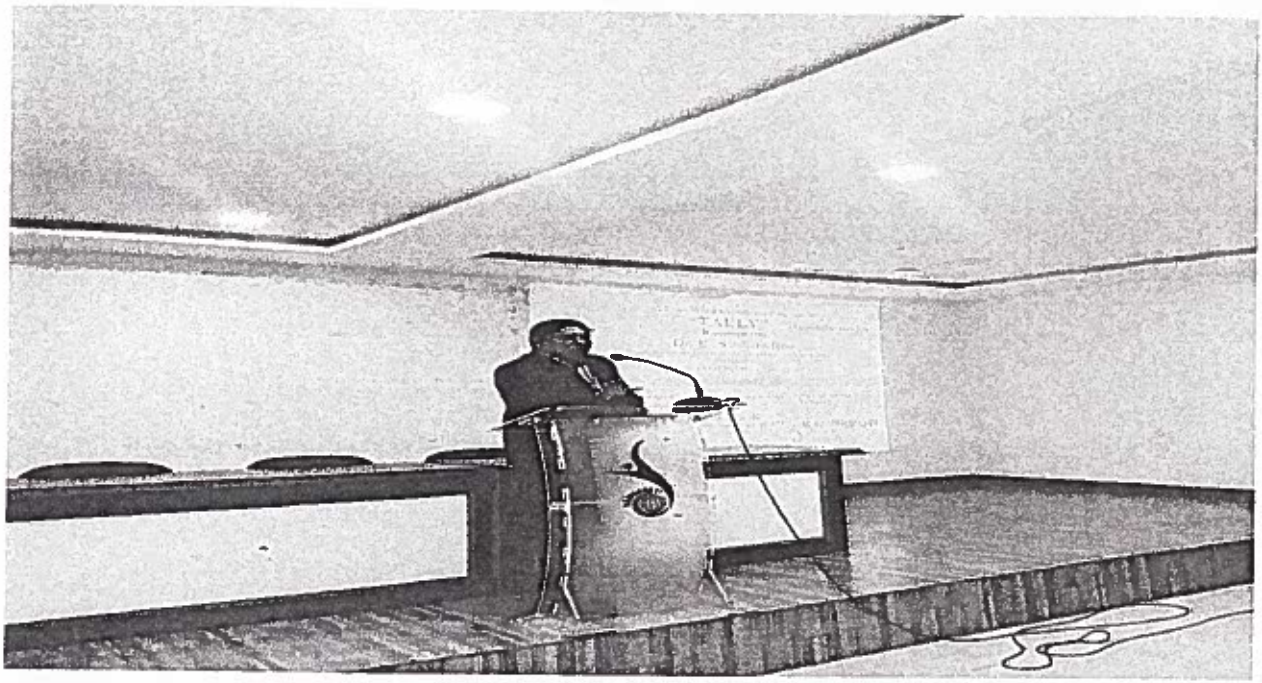

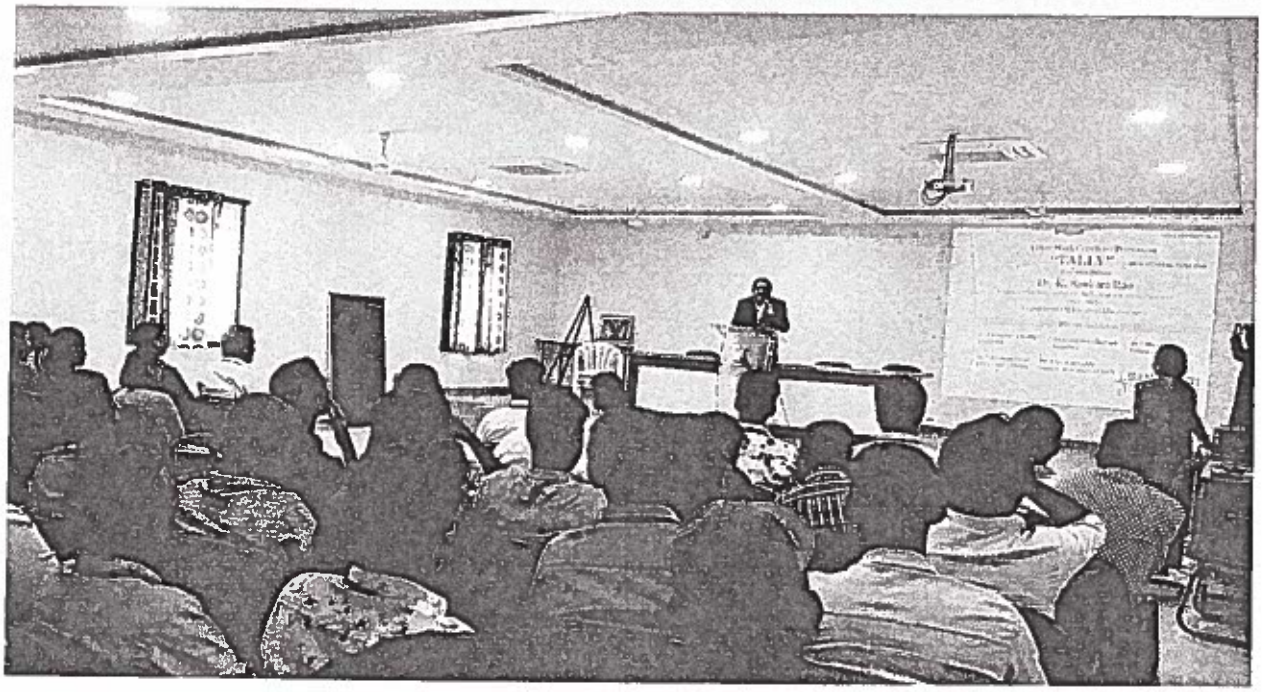

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DEPARTMENT OF CIVIL ENGINEERING

Dt: 08/08/2019

PROGRAM REPORT

- *Title of the Certification Programme:*

  "A Three Week Certificate Program on Recent Trends in Civil Engineering"

- *Date:* **15/07/2019 to 05/08/2019**
- *Duration:* **Three Weeks**
- *Resource Person Details:* **Dr. Katakam Venkata Seetharam,**
  Professor, Department of Civil Engineering,
  Srinidhi Institute of Science & Technology, Medhcal District
  Mobile: 7661944422
  Email: kvseetharam@sreenidhi.edu.in

- *Number of Students Participated:* **52**

- *Objective of the Program:*

Latest research in different domains of Civil Engineering like Structural and Concrete Engineering, Geotechnical Engineering, Construction Technology and Managements. Recent technologies includes miscellaneous applications of civil engineering in a wide range of technical and society problems making use of engineering principles and rational data structures involving measurement sciences. This programme enables to know how the technologies are adopted to make construction safe and efficient in sustainable way.

- *Outcomes of the Program:*

1. Understand the real, practical applications and benefits of recent technologies in civil engineering.
2. Understand the cutting edge technologies in construction are drastically changing how the industry operates and way future projects going to be performed.
3. Awareness of impact that construction has on our surroundings, technological advances are bringing new innovations.
4. Understand sustainability and environmental benefits using recent technologies.

- *Contents:*

1. Building Information Modelling
2. Drones and Unmanned Aerial Vehicles (UAVs)

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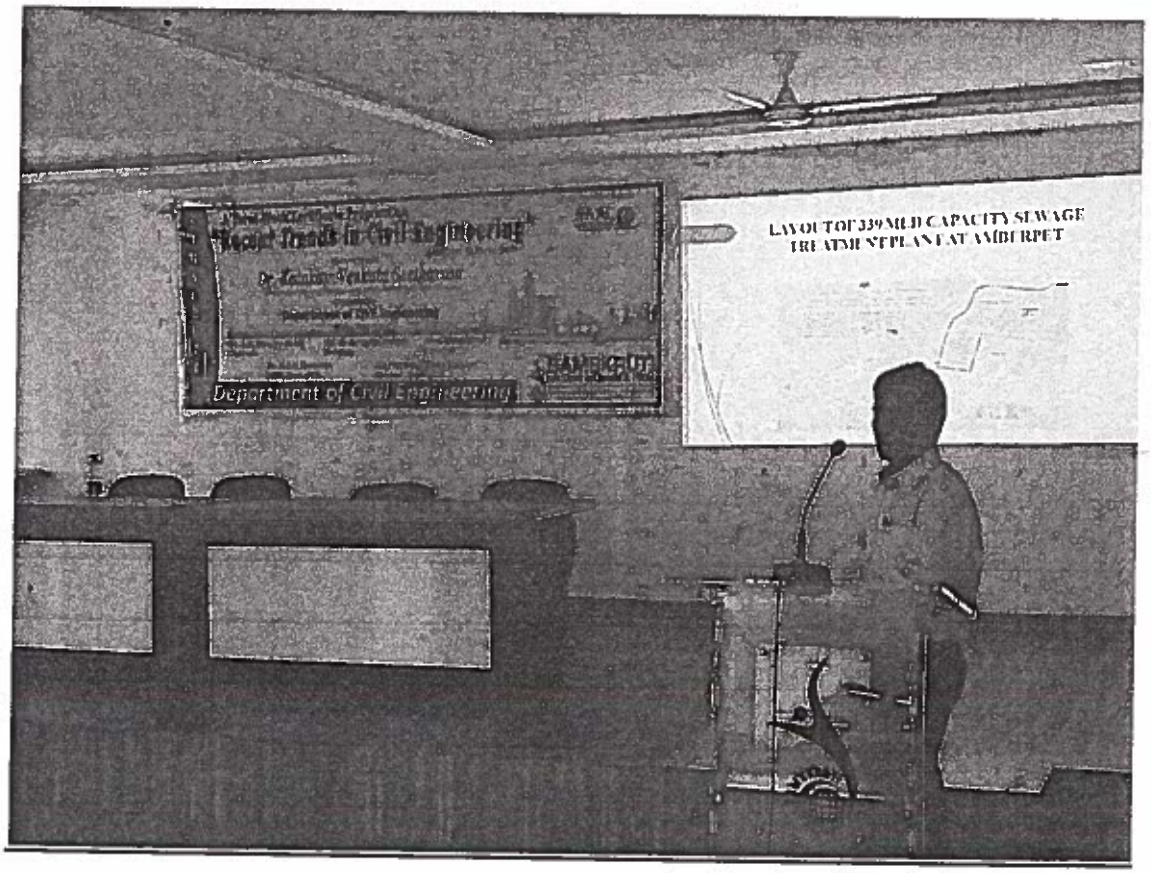
3. Advanced Uses of GPS
4. Timber Construction
5. Smart Buildings
6. Bridge Design
7. 3D Printing
8. Plastic Roads
9. Software used in Modern Construction
10. Equipments used in Modern Construction
11. Materials and Techniques used in recent years
12. Green roof systems
13. Self healing Concrete
14. Modular Construction
15. Intelligent built environment
16. Asset Mapping



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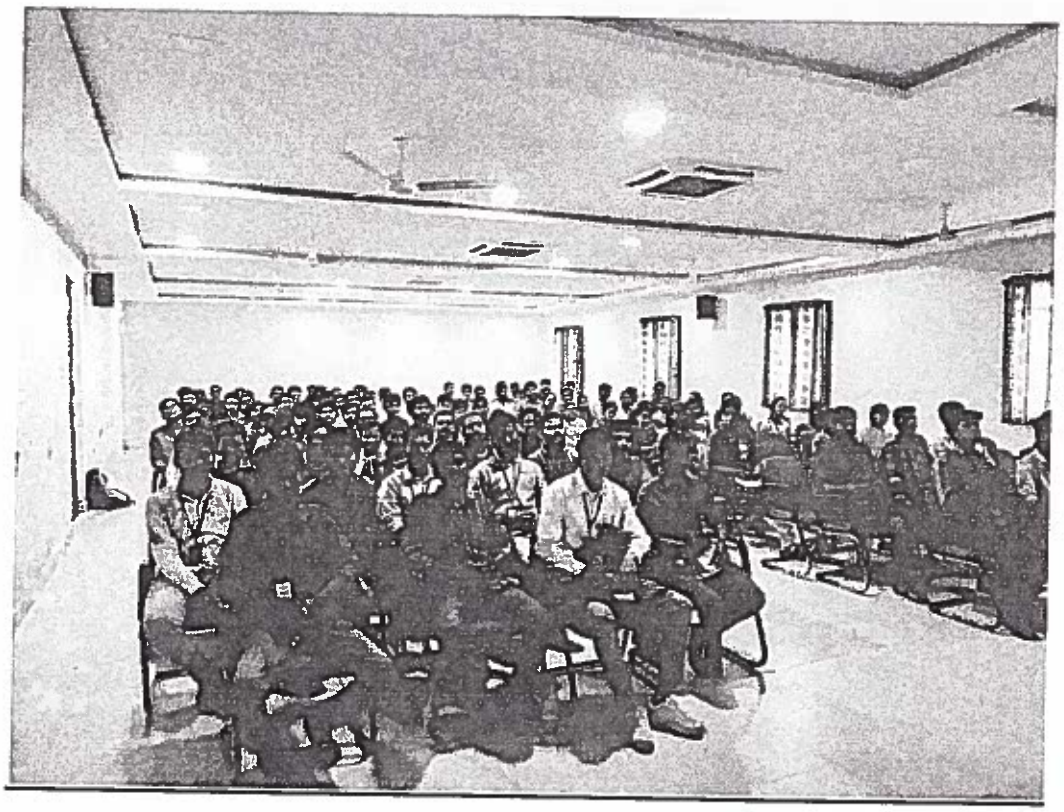

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:02-04-2019

PROGRAMME REPORT

- *Title of the Certification Programme:*

  "A THREE WEEK CERTIFICATE PROGRAMME ON ENERGY MANAGEMENT SYSTEM"

- *Date:* 11th to 29th March 2019
- *Duration:* THREE Weeks
- *Resource Person Details:*

  Mr.K.Raja Narsigh Rao

  A.E.

  TSSPDCL

  Ghatkesar

Number of Students Participated: 30

- *Objective of the Program:*

There are primary and secondary objectives of energy management system. The primary objectives are related to the security and stability of the system, while the secondary objecties relate to the Primary Objectives: Security and Stability of the system Secondary .Economic Operation and Control Tertiary Objectives: Optimization, Operational Planning and Maintenance Scheduling

Outcomes of the Program:

- By the end of this workshop the students will become aware about the basicKnowledge of Industrial Automation, PLCs and their relevant module.
- Certificate of Participation given to all the participants Awareness about intelligent energy management system

Contents:

- Energy strategies of companies
- Ethical and normative basis of the energy strategies
- Production planning and control
- Advanced Protection Distribution Grids with High Penetrations of PV
- Methods and Techniques for Implementation of Sustainable Energy Management

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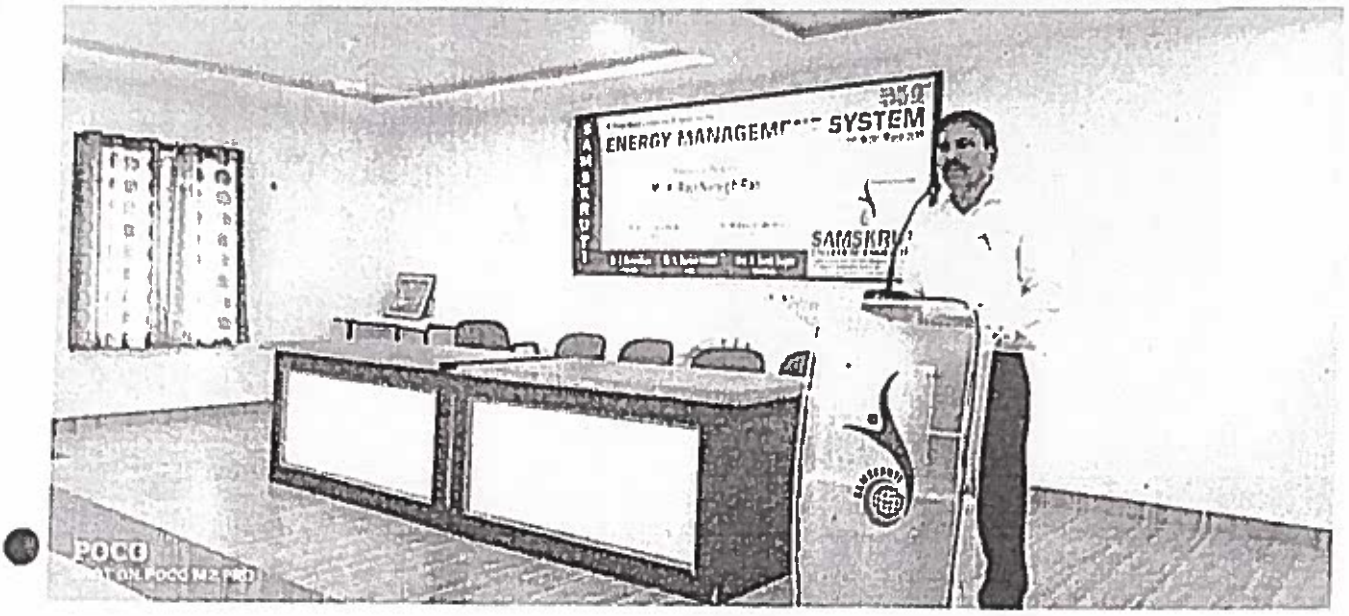

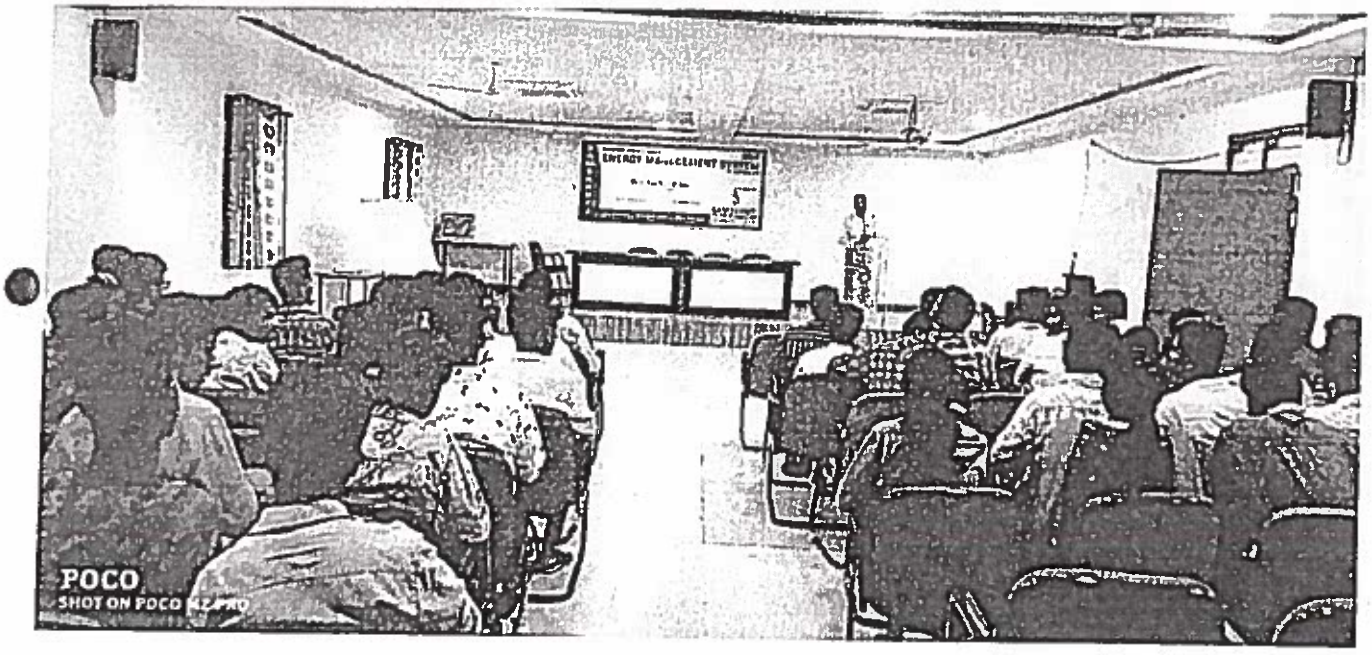

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DEPARTMENT OF MECHANICAL ENGINEERING

PROGRAM REPORT ON THREE WEEK CERTIFICATION ON REVIT

Title of the Certification Programme:
"A Three Week Certificate Program on REVIT"

Date: 3-09-2019 to 20-09-2019

Duration: Three Weeks

Resource Person Details: Mr V Mouni Sashi Tej
Sr. Design Engineer
Melorite Engg pvt ltd
Former Advisor
7th Gear Automotive &Automobes India pvt ltd

Number of Students Participated:5 9

Objective of the Program:

a. Understanding the purpose of Building Information Management (BIM) and how it is applied in the Revit software.
b. Navigating the Revit workspace and interface.
c. Working with the basic drawing and editing tools.
d. Creating Levels and Grids as datum elements for the model.
e. Creating a 3D building model with walls, curtain walls, windows, and doors.
f. Adding floors, ceilings, and roofs to the building model
g. Creating component-based and custom stairs

Program Out Comes:

a. Student will learn to develop higher quality, more accurate architectural designs
b. Students will learn to use tools specifically built support building information
c. Students will learn to modeling workflows
d. Students will learn to capture and analyze concepts, and maintain their vision Through design documentation and construction

Program Contents:

a. Review on Revit Software
b. conceptual design
c. 3D parametric modeling
d. Multidiscipline coordination
e. Analyzing and simulating structures
f. Iterating and Visualizing designs

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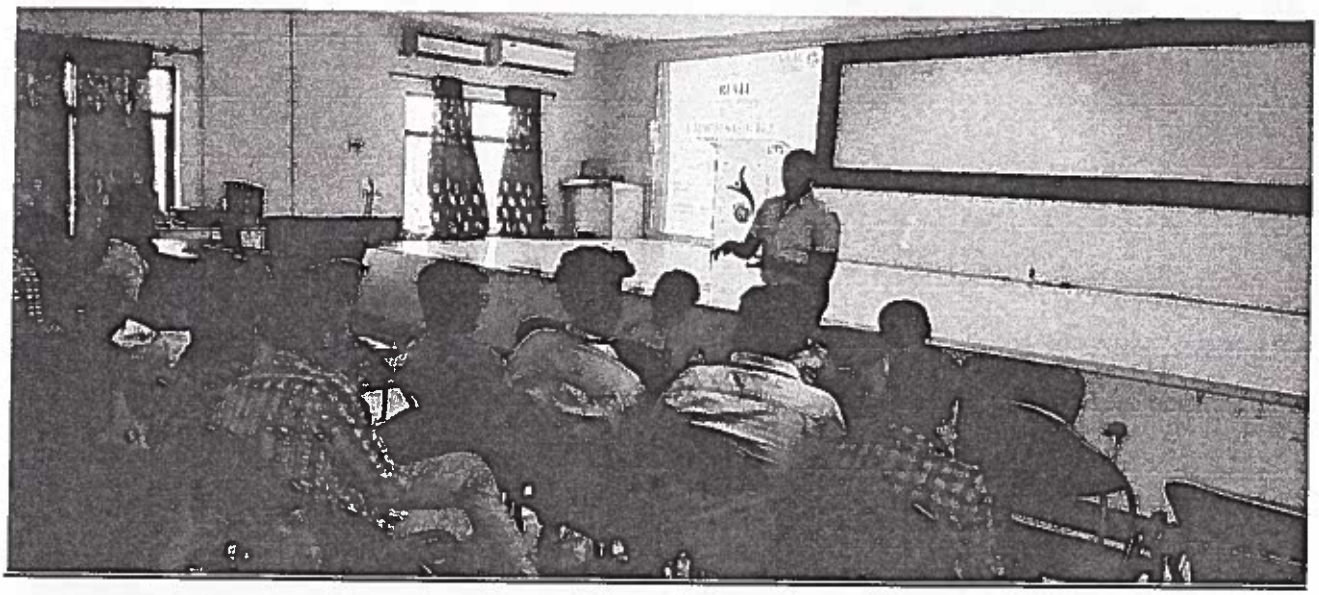
PHOTOGRAPHS



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DEPARTMENT OF MECHANICAL ENGINEERING

NAME OF THE PROGRAMM: A THREE WEEK CERTIFICATE PROGRAM ON REVIT

DAY WISE SESSION PLAN

DAY	TOPIC FOR DISCUSSION
DAY1	Review on Revit Software
DAY2	Guide basics on conceptual design
DAY 3	Review on 3D parametric modeling
DAY 4	Practice session
DAY 5	Navigating the Revit workspace and interface
DAY 6	Detailed designed documentation
DAY 7	Multidecipline coordination
DAY 8	Modelling building components
DAY 9	Practice session
DAY 10	Analyzing and simulating structures
DAY 11	Creating Levels and Grids as datum elements for the model
DAY 12	Adding floors, ceilings, and roofs to the building model
DAY 13	Practice session
DAY 14	Iterating and Visualizing designs
DAY 15	Creating component-based and custom stairs
DAY 16	Generating design documentation for fabrication or construction
DAY 17	Practice session
DAY 18	Practice session

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Department Of Electronics and Communication Engineering

PROGRAM REPORT

- ***Title of the Certificate Programme:***

  A Two Week Certificate Program on "**PCB DESIGN AND FABRICATION**".

- ***Date:*** 27/10/2019 to 04/11/2019
- ***Duration:*** Two Weeks

  Resource Person Details: Mr.P.Surender Babu, Managing Director,
  Technology Learning Centre Pvt Ltd, Hyderabad..
  Ph: 9100484799
  Mail ID:surendraa456@gmail.com

  Number of Students Participated: 37

- ***Objective of the Program:***

The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment and also its Fabrication, PCB design software named KiCad soft EAGLE & to make physical PCB at home so that any student can make project on his own. Almost 37 students from II ECE have participated in the workshop.

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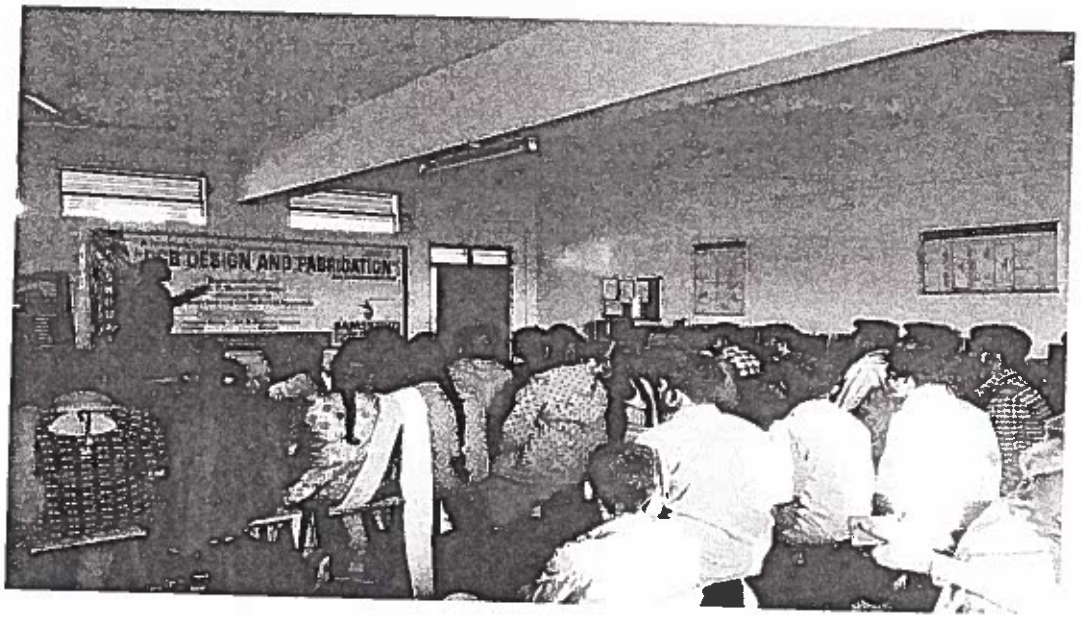

Outcomes of the program:

- Gain knowledge on Component Footprint Design
- Gain knowledge on Integrated Library Design
- Hands on session for PCB Design & Routing
- Hands on session for Etching of PCB.
- Hands on session for Soldering of Components on to PCB.

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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)

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Dt:
27/07/2019

PROGRAM REPORT

- ***Title of the Certification Programme:***

  "A Two Week Certificate Program on CYBER SECURITY"

- ***Date:*** **08/07/2019 to 22/07/2019**

- ***Duration:*** **Two Weeks**

- ***Resource Person Details:*** ***S. Vijay Kumar***
  Asst prof, Dept of CSE,
  Anurag Engineering College

- ***Number of Students Participated:*** **52**

- ***Objective of the Program:***
  1. To familiarize various types of cyber-attacks and cyber-crimes
  2. To give an overview of the cyber laws
  3. To study the defensive techniques against these attacks

- ***Outcomes of the Program:***
  1. We will be able to understand cyber-attacks
  2. Able to understand types of cybercrimes, cyber laws
  3. how to protect them self and ultimately the entire Internet community from such attacks.

- ***Contents:***
  - Cyber Security Concepts, layers of security
  - Software attacks
  - Hardware attacks
  - Security Models
  - Attacks on Mobile
  - Security Challenges

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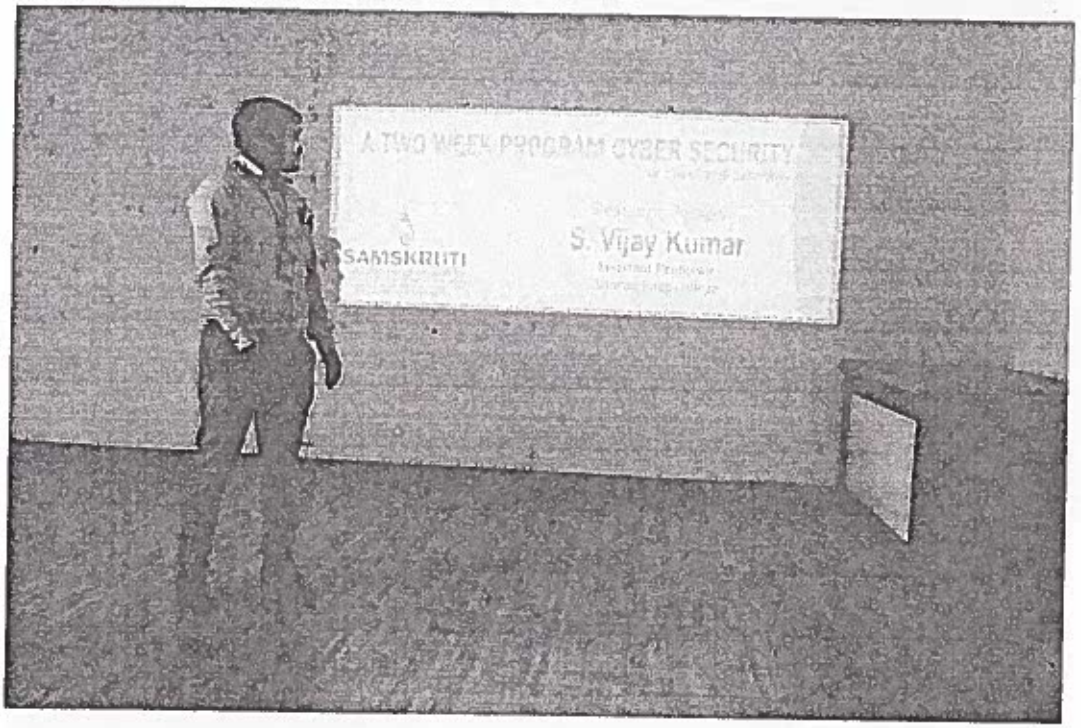

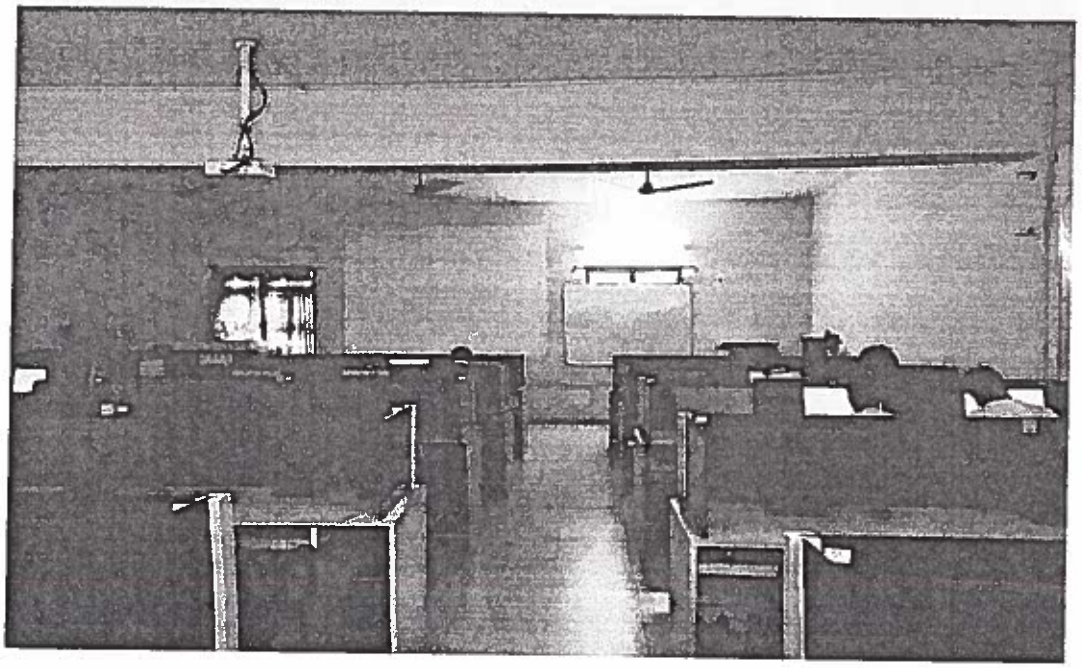

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Date: 30/08/2019

PROGRAM REPORT

- ***Title of the Certification Programme:***

  "A Three Week Certificate Program on PYTHON PROGRAMMING"

- ***Date:*** **05/08/2019 to 26/08/2019**

- ***Duration:*** **Three Weeks**

- ***Resource Person Details:*** ***G. Prudhvi Raj***

  Asst Prof, Dept of CSE,

  Siddartha Institute of Technology and Sciences
  9912697132

- ***Number of Students Participated:*** **54**

- ***Objective of the Program:***
  1. To be able to introduce core programming basics and program design with functions using Python programming language.
  2. To understand a range of Object-Oriented Programming, as well as in-depth data and information processing techniques.
  3. To understand the high-performance programs designed to strengthen the practical expertise.

- ***Outcomes of the Program:***
  1. To acquire programming skills in core Python.
  2. To acquire Object Oriented Skills in Python
  3. To develop the skill of designing Graphical user Interfaces in Python
  4. To develop the ability to write database applications in Python

- ***Contents:***
  - Introduction to Python
  - Python functions
  - Control Structures
  - Strings
  - OOPS Concepts
  - GUI Concepts

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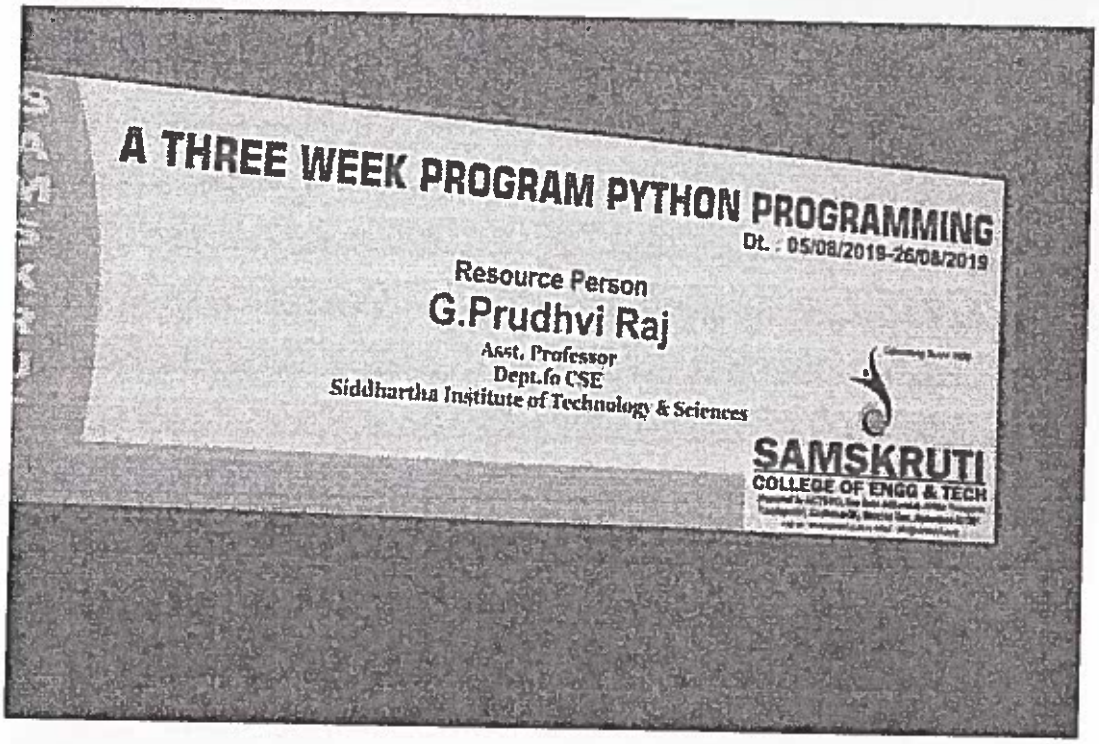

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DEPARTMENT OF BUSINESS MANAGEMENT

Date: 31/08/2019

PROGRAM REPORT

- **Title of the certification program:**

  "A Two Week Certificate Program on Digital Marketing"

- **Date:** 16/08/2019 to 29/08/2019
- **Duration:** Two Weeks
- **Resource Person Details:** Ms. T. Soujanya
  Assistant professor
  Jagruthi College of Management
  Sowjanya2507@gmail.com
  Contact no. 8106112896
- **Number of Students Participated:** 53
- **Objectives of the Program:**
  - Constructing a brand is one of the important objectives of digital marketing. The aim of digital marketing also involves setting up a new brand.
  - Increasing revenue is the primary objectives of digital marketing. Luckily, the internet gives every company several opportunities to boost their performance.
  - Many small businesses are focusing most of their marketing efforts on enhancing their local SEO.
  - Paid ads are one of the easiest objectives of digital marketing which has a number of ways of getting to our target audience and selling your goods or services.
  - Email marketing for individuals with an email base with their current customers may be handled internally or by an outside organization..
  - Digital marketing is one of the best ways to lower the sales price of attracting new customers. In addition to the reduced costs, this makes it possible to reach a wide variety of highly targeted markets even quicker than conventional marketing.

- **Outcomes of the Program:**

  On successful completion of the course students will be able to:

1. Analyze the confluence of marketing, operations, and human resources in real-time delivery.
2. Research on online markets, as well as in identifying, assessing and selecting digital market opportunities.
3. Explain emerging trends in digital marketing and critically assess the use of digital marketing tools by applying relevant marketing theories and frameworks.
4. Investigate and evaluate issues in adapting to globalised markets that are constantly changing and increasingly networked. Analyze cross-cultural and ethical issues in globalised digital markets.
5. Interpret the traditional marketing mix within the context of a changing and extended range of digital strategies and tactics.
6. Comprehend the importance of conversion and working with digital relationship marketing.

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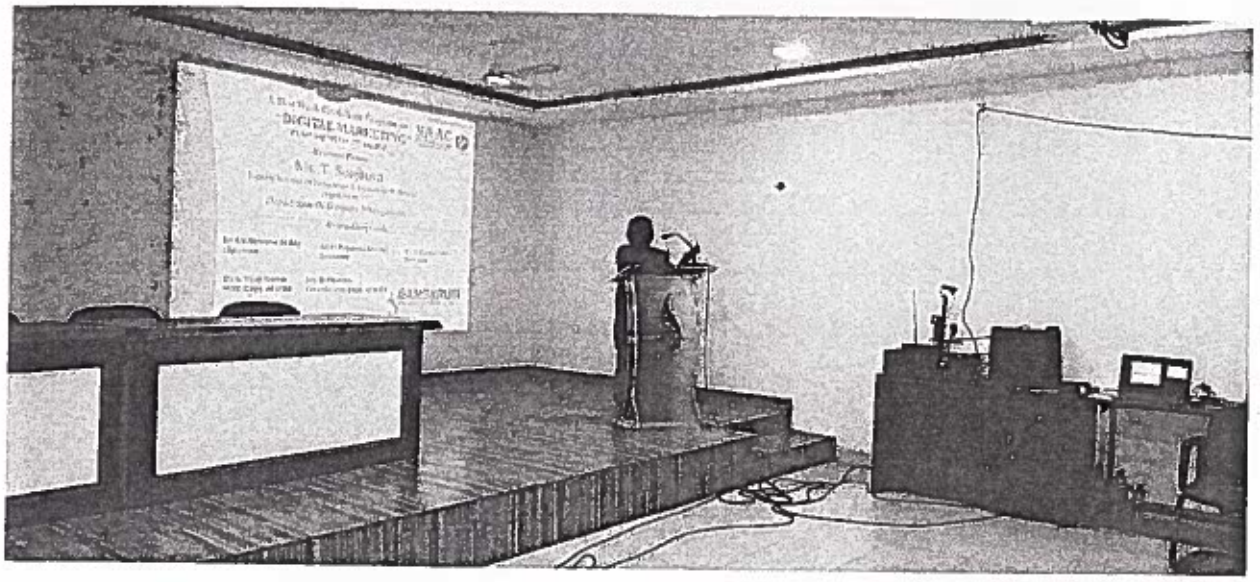

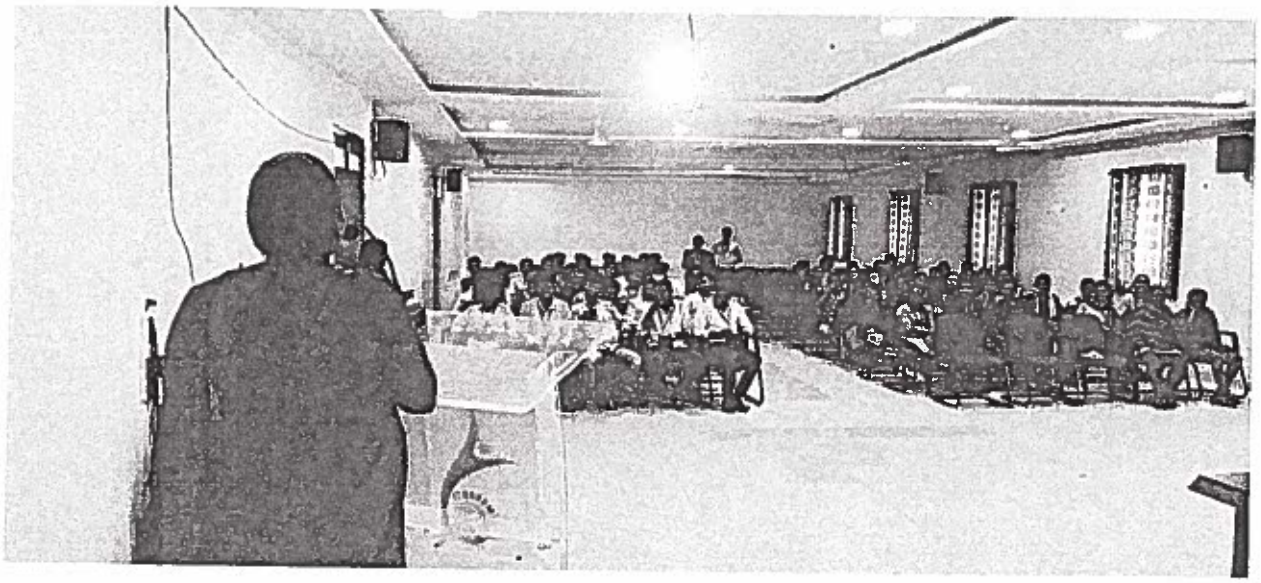

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DEPARTMENT OF CIVIL ENGINEERING

Dt: 18/11/2021

PROGRAM REPORT

- *Title of the Certification Programme:*

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

- *Date:* **02/11/2021 to 16/11/2021.**
- *Duration:* **Two Weeks.**
- *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
- *Program Co-ordinator :* **V.SRUJANA**
- *Number of Students Participated:* ***67***
- ***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

- ***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.

- ***Contents:***

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

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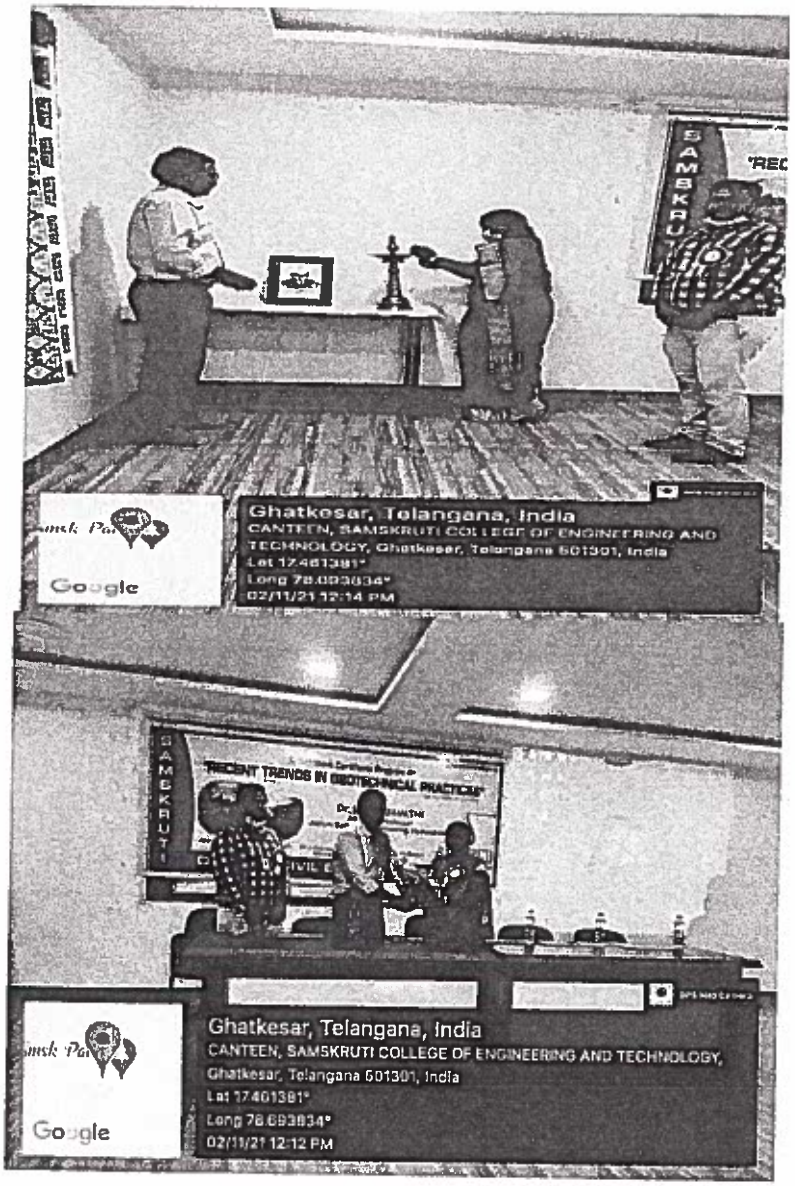
4. Plasticity characteristics of soils
5. Soil Classification
6. Capillary water
7. Permeability of soils
8. Effective stress principle
9. Stresses due to applied load
10. Consolidation of soils
11. Shear strength
12. Compaction of soils
13. Soil stabilization
14. Site Investigations

Photographs:



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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:* 25th November to 6th 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

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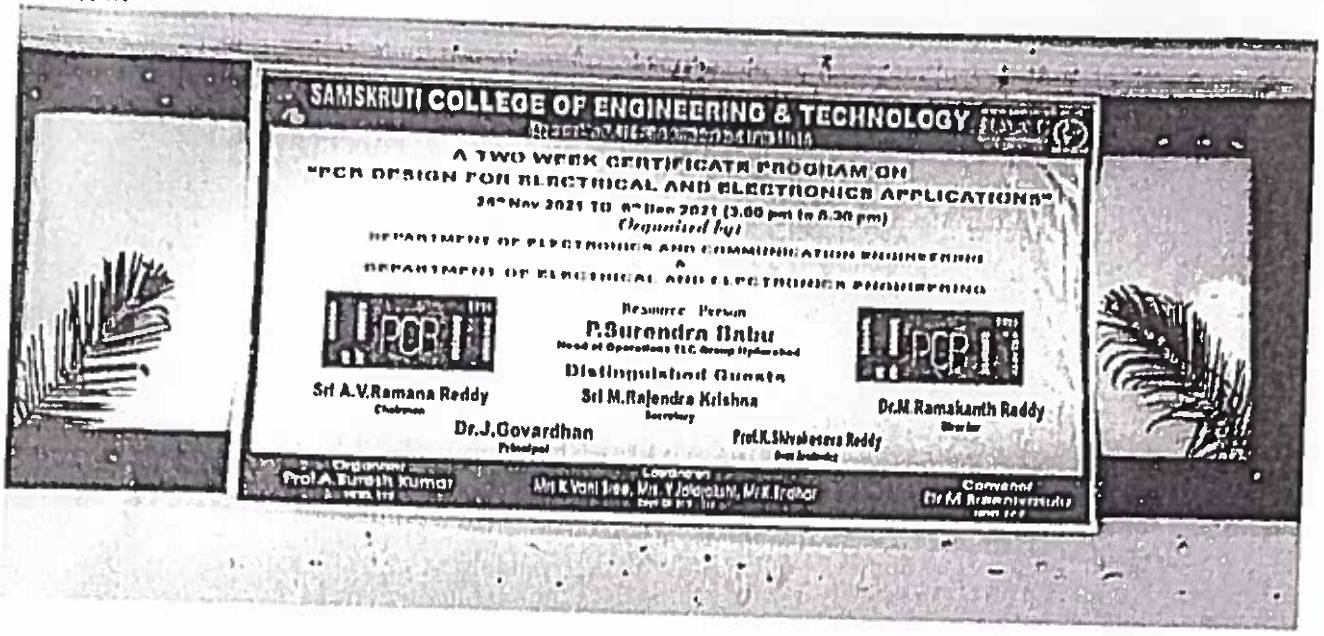
Photos:



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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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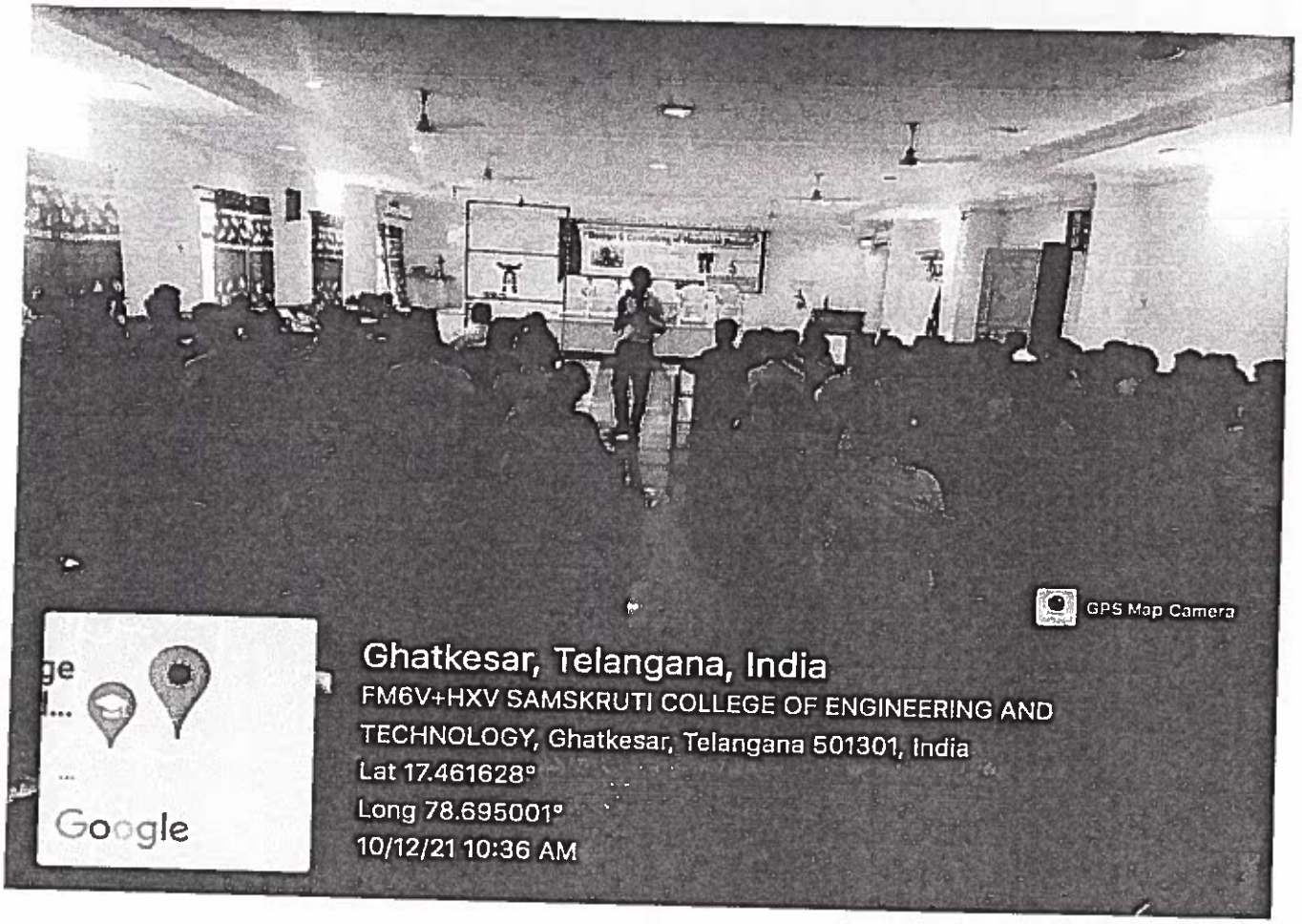

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DEPARTMENT OF MECHANICAL ENGINEERING

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)

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DEPARTMENT OF ELECTRICAL & COMMUNICATION ENGINEERING

Date:10-12-2021

PROGRAMME REPORT

- ***Title of the Certificate Programme:***

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

- ***Date:*** 25th November to 6th December 2021
- ***Duration:*** **Two Weeks**
- ***Resource Person Details:***

  Mr.P.Surender babu

  Head of Operations TLC Group

  Hyderabad

Number of Students Participated: 120

- ***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

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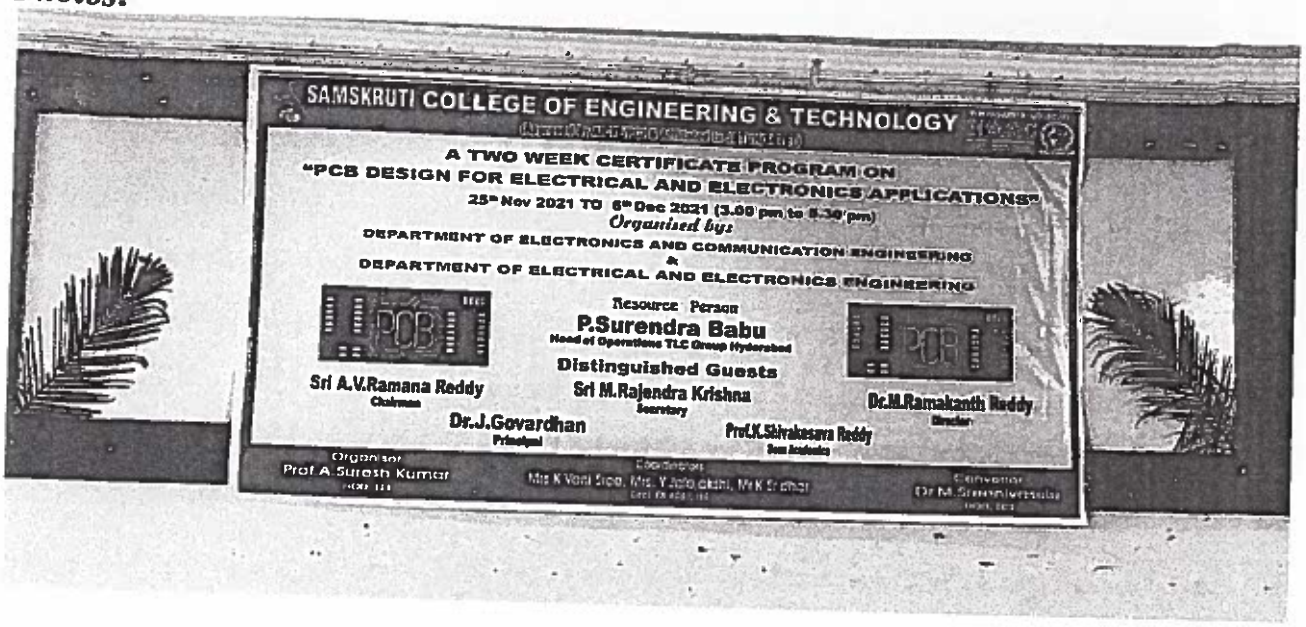

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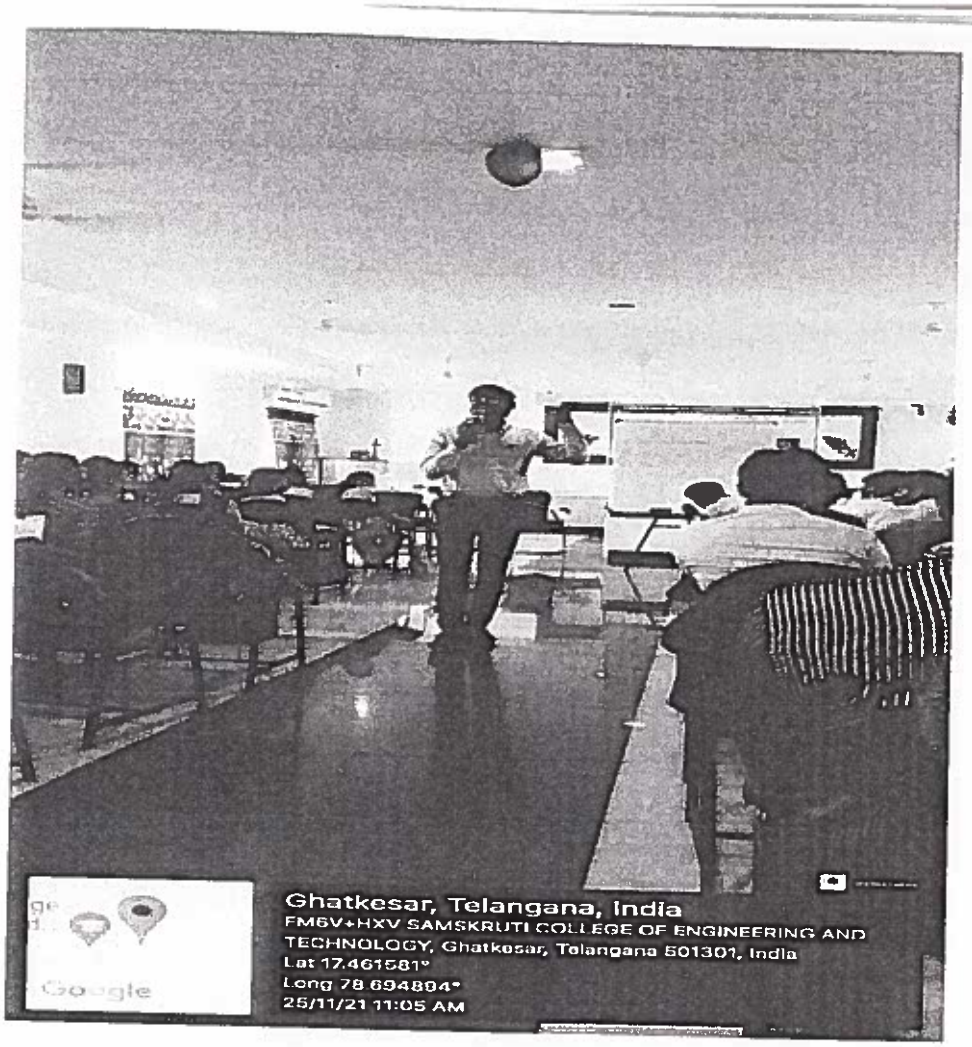

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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Dt: 01/07/2020

PROGRAM REPORT

- **Title of the Certification Programme:**

  "A Two Week Certificate Program on ARTIFICAL 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

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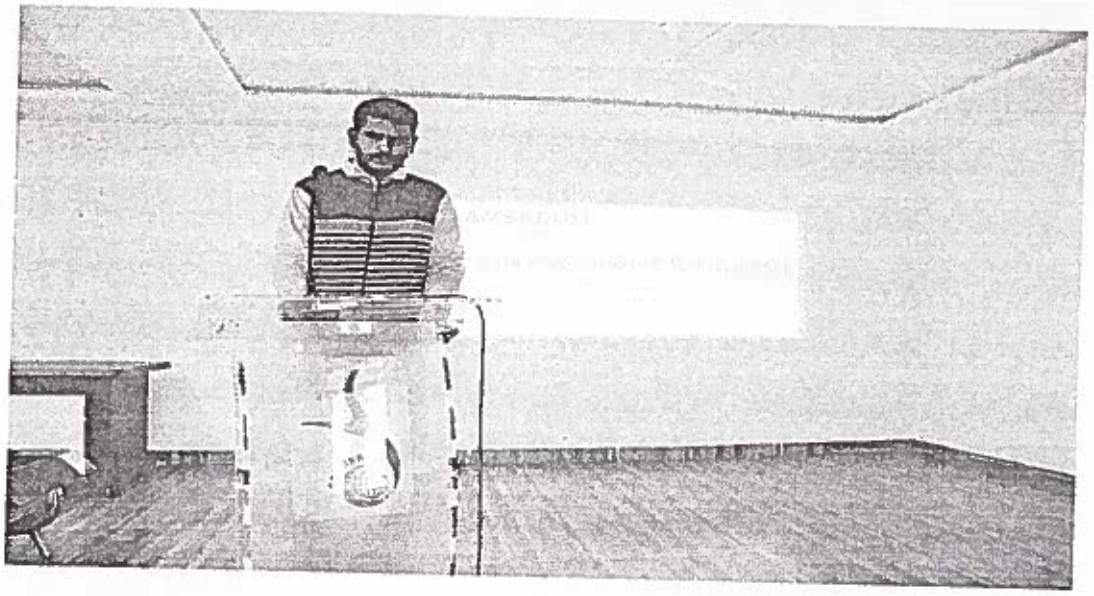

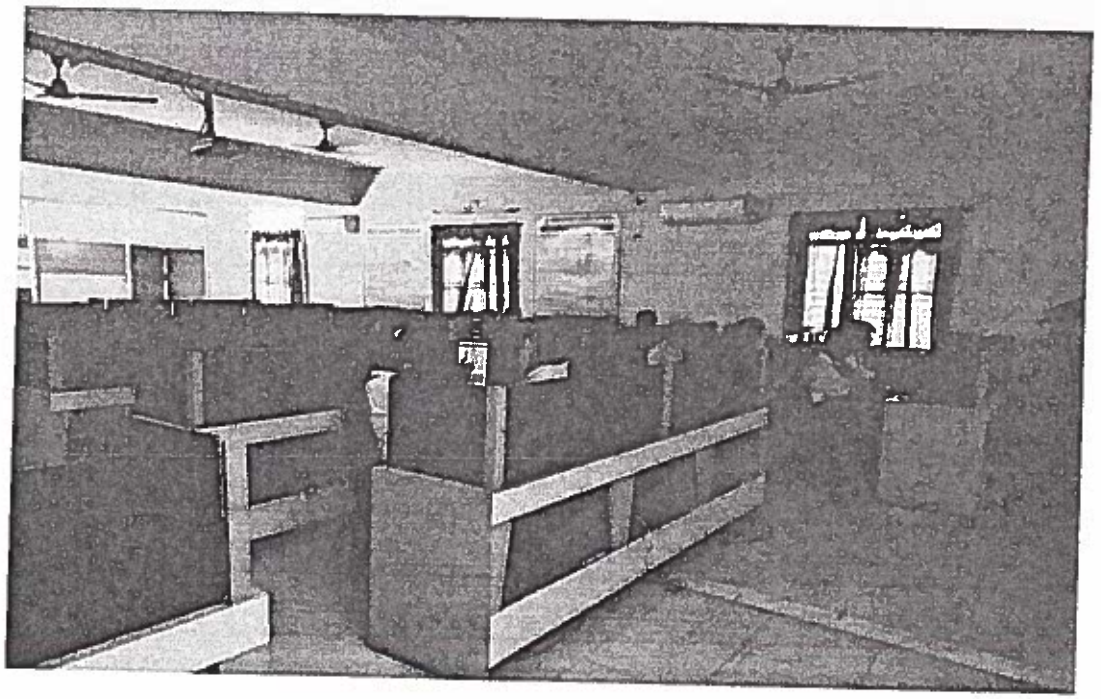

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

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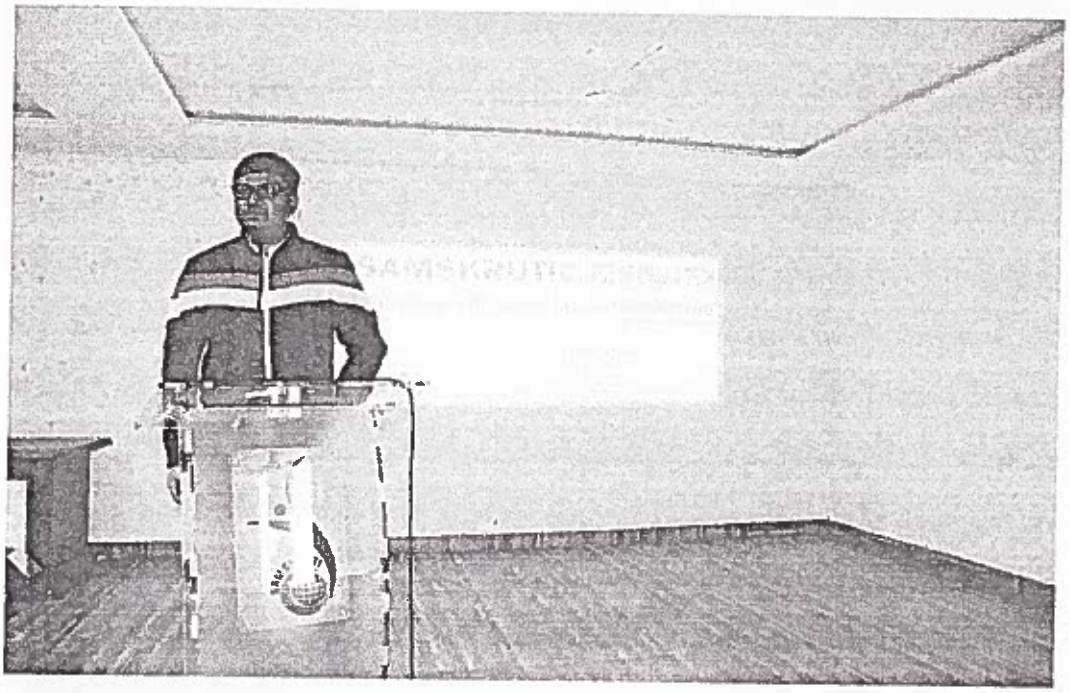

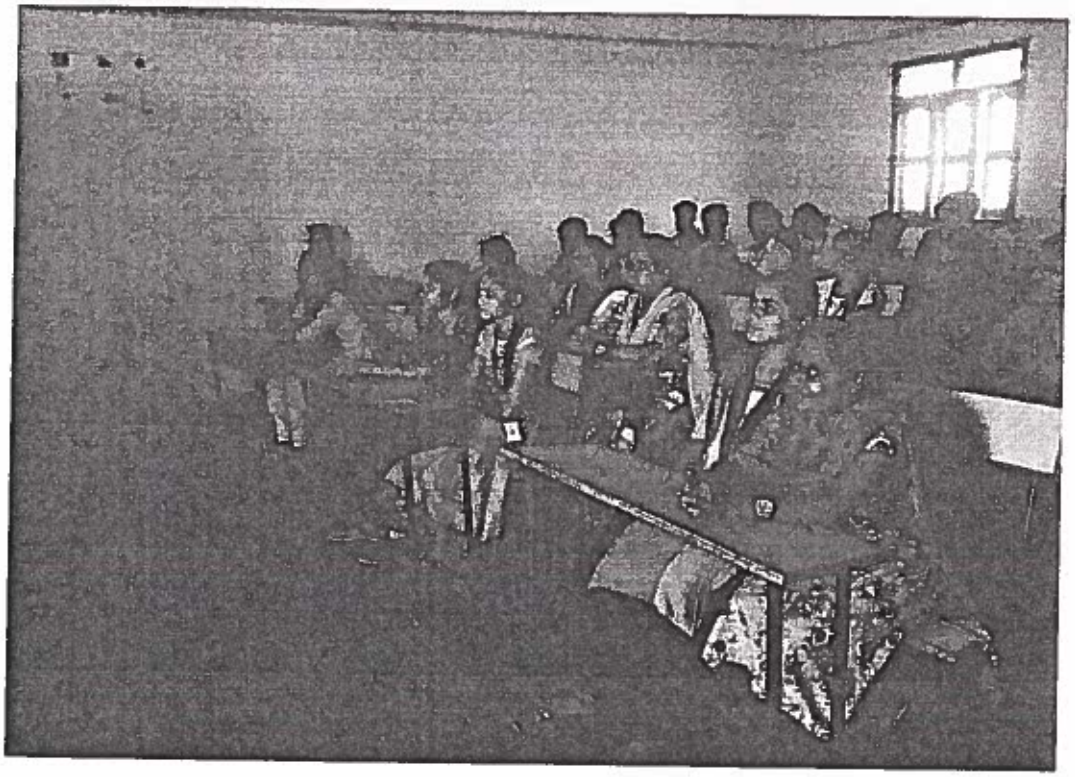

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DEPARTMENT OF BUSINESS MANAGEMENT

Date: 10/12/2021

PROGRAM REPORT

- **Title of the certification program:**

  "A Two Week Certificate Program on Intellectual Property Rights"

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

- **Duration:** Two Weeks

- **Resource Person:** Dr. Razia Sultana
  Associate Professor
  Shadan Institute of Management Studies
  Email: razia.salam@gmail.com
  Contact no. 8790873545

- **Number of Participants: 63**

- **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.

- **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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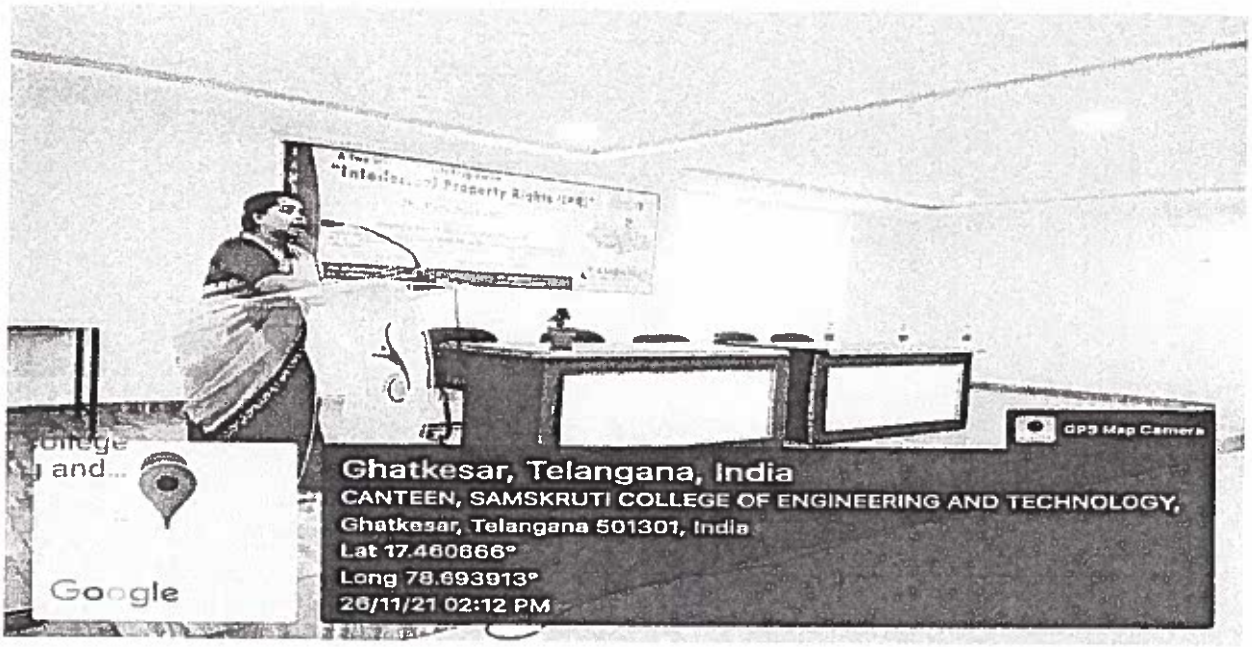

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