



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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Report on Seminar " Patent, Start-ups and Entrepreneurship "

Introduction

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Seminar on "Patent, Start-ups and Entrepreneurship" on 24-02-2020.

The Main aim of the conducting the Seminar

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

Seminar was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 24-02-2020.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC(A)

Dr .I. Nageshwara Rao, Professor,BVRIT, Nadargul,Hyderabad.-chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)Guest of Honor





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GUEST LECTURE ON ENGLISH GRAMMAR WORKSHOP



The department of MECH has organized a guest lecture on English Grammar Workshop from 17/02/2020 to 21/02/2020 at Seminar hall in MECH Department. The resource persons are Dr. Sankar Omaidurai, Assistant Professor, English Department from VNRVJIET, Hyderabad has been invited as resource person.



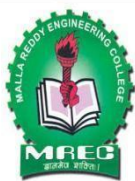
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GUEST LECTURE ON QUANTITATIVE APTITUDE REFRESHER WORKSHOP



The department of MECH has organized a guest lecture on Quantitative Aptitude Refresher Workshop from 22/02/2020 to 27/02/2020 at Seminar hall in MECH Department. The resource persons is Dr. E Laxmi Narasiah, Professor, BVRIT, Hyderabad has been invited as resource person.



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FACULTY DEVELOPMENT PROGRAM ON INTELLIGENT ROBOT
ASSISTANCE FOR FIGHTING COVID-19

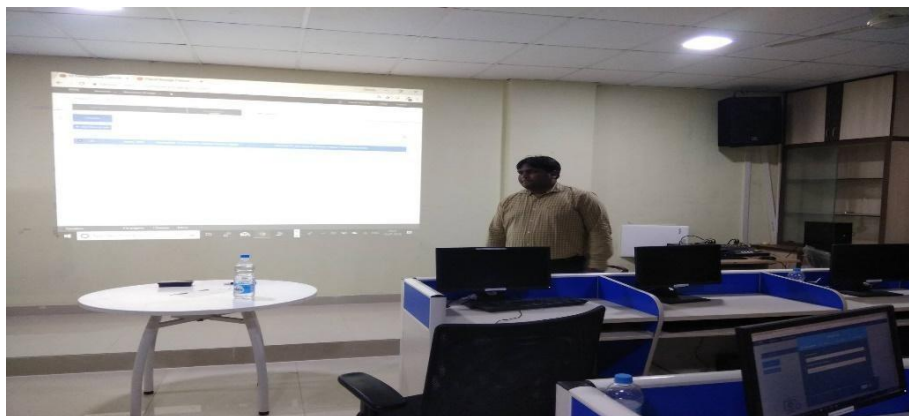


The Department of MECH organized faculty development program on Intelligent Robot Assistance for Fighting COVID-19 on 06/05/2020. This FDP improves the harness the knowledge of young faculty members, research scholars and practicing engineers in the area of Robotics.



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FACULTY DEVELOPMENT PROGRAM ON HVAC SYSTEMS AND VENTILATION STANDARDS FOR COVID 19 BUILDINGS



The Department of MECH organized faculty development program on HVAC systems and ventilation standards for Covid 19 Buildings on 12/05/2020. This FDP improves the harness the knowledge of young faculty members, research scholars and practicing engineers in the area of Robotic



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FACULTY DEVELOPMENT PROGRAM ON EMERGING TECHNOLOGIES IN ROBOTICS



Five day faculty development program on Emerging Technologies in Robotics the Department of MECH organized from 26/05/2020 to 30/05/2020 at conference hall, Malla Reddy Engineering College (Autonomous). Robotics technology influences every aspect of work and home. Robotics has the potential to positively transform lives and work practices, raise efficiency and safety levels and provide enhanced levels of service.



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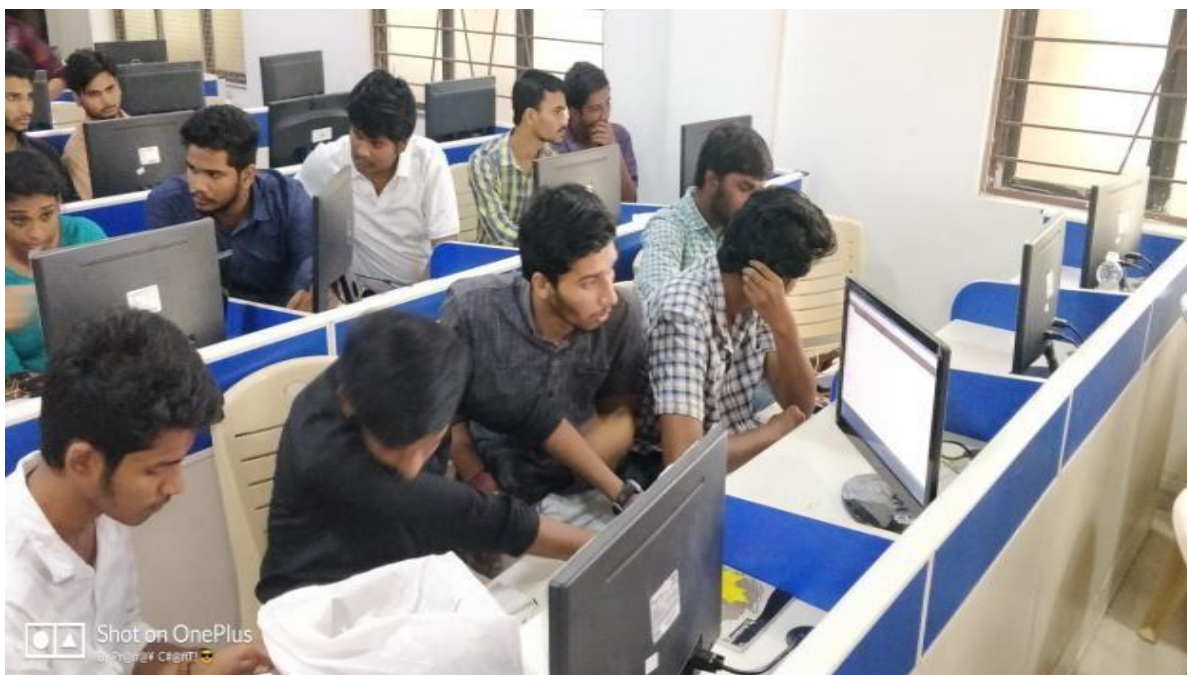
REPORT ON ONE WEEK WORKSHOP ON "C-PROGRAMMING"

The department of ECE has organized a **one week work shop** on **"C- Programming"** during **01st and 07th June 2020**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to c-programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about c software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 100 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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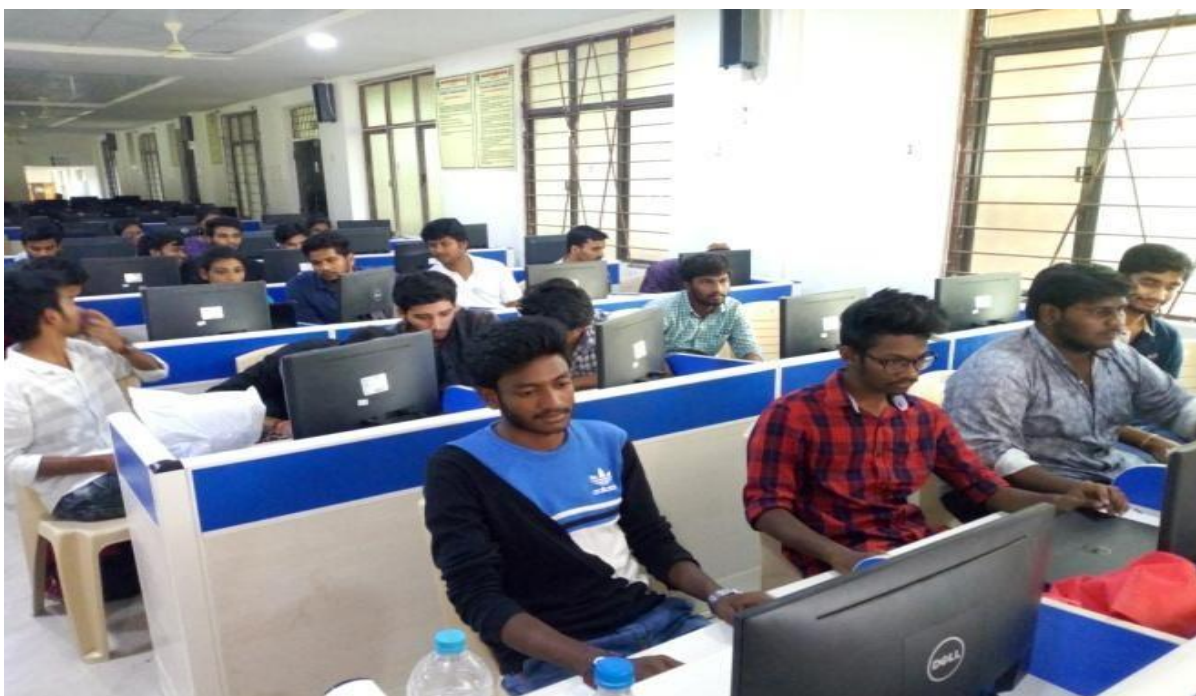
REPORT ON ONE WEEK WORKSHOP
ON
"JAVA PROGRAMMING"

The department of ECE has organized a **one week work shop** on **"Java Programming"** during **08th and 14th June 2020**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to python programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about java software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 180 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“PYTHON PROGRAMMING”

The department of ECE has organized a **one week work shop** on “**Python Programming**” during **15th and 21st June 2020**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First day of workshop, Introduction to python programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about python software tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 100 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“QUANTITATIVE APTITUDE”

The department of ECE has organized a One Week Workshop on **“Quantitative Aptitude”** from **22/06/2020 to 28/06/2020**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt.ltd, Hyderabad**.

During the one week of workshop, Introduction to aptitude, its methods, usage and shortcuts and examples and several problems were explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by **Dr. A. Pradeep Kumar** and **N. Pandu Ranga Reddy**.





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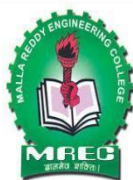
REPORT ON ONE WEEK WORKSHOP
ON
“VERBAL AND NON-VERBAL REASONING”

The department of ECE has organized a One Week Workshop on **“Verbal and Non-verbal Reasoning”** from **29/06/2020 to 05/07/2020**. The department has invited the resource person Ashwin, software engineer, working four years for **TCS pvt.ltd, Hyderabad**.

During the one week of workshop, Introduction to verbal and non-verbal, its reasoning, usage and communication and its importance speaking skills was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP ON
“Three Months Skill Development Program on English Vocabulary”

The department of ECE has organized a One Week Workshop on **“Three Months Skill Development Program on English Vocabulary”** from **01/08/2019** to **15/11/2019**. The department has invited the resource person Ashwin, software engineer, working four years for TCS Pvt.Ltd, Hyderabad.

During the one week of workshop, Introduction to Skill Development, its reasoning, Vocabulary usage and communication and its importance speaking skills was explained.

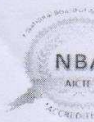
The workshop was mainly focused on IV-year B.Tech students. Around 190 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by **Mr.T.Surender Reddy, Mrs C. Silpa**, Assoc. Professor, ECE





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Secunderabad-500 100.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Maisammaguda,
16.02.2020.

Report
On

Continuous Quality Improvement based on POs & PSOs Attainment

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Workshop Name: Continuous Quality Improvement based on POs & PSOs

Attainment Organized Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Date: 15-02-2020

Speaker(s): Dr. S. ViswanadhaRaju, Professor & Vice Principal, JNTUCEH, Jagithyal

The Department of CSE, MREC (A), organized a workshop on Continuous Quality Improvement based on POs & PSOs Attainment on 16-02-2020. In this workshop all teaching and non-teaching staff of college actively participated and gain a very useful knowledge on attainment mapping in NBA and NAAC works.

Dr.G. Charles Babu, Professor & HoD, Organized the Programme and addressing the participants and vote of thanks is given by Dr.N.Rajeswaran, Professor & HoD, Dept. of EEE.

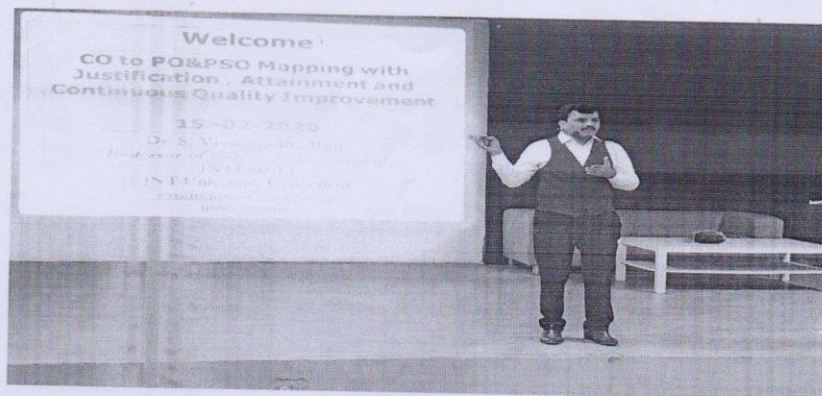
Highlights of the Workshop:

- Described Processes followed to improve quality of Teaching and Learning
- Quality of internal semester Question papers, Assignments and Evaluation.
- Establish the correlation between the Courses and the Program Outcomes(POs) and Program Specific Outcomes (PSOs)
- Course Outcomes and Program Outcomes
- What level of BLOOMs Taxonomy you want your students to achieve?
- CO-PO Relationship & CO-PO mapping
- Based on these strengths of selected POs a CO matrix can be established.
- Attainment of Course Outcomes
- Measuring CO attainment through Internal Assessments
- Course Outcome Attainment
- Example of CO-attainment for a course
- PO Attainment – Examples

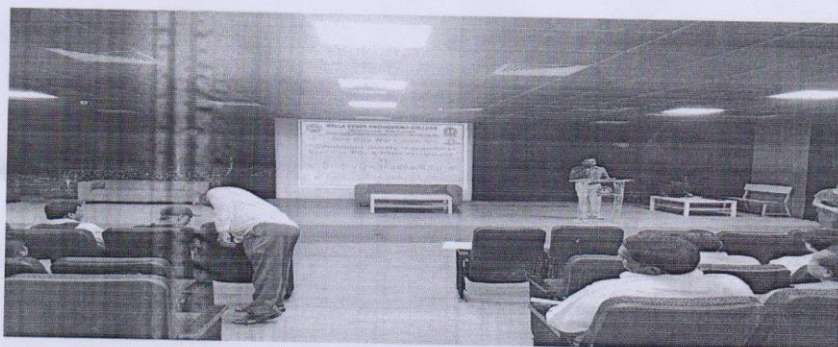
Very thankful to our principal **Dr. A. Ramaswamy Reddy** garu for his support to conducting this training program successfully. Also thankful to our HoD for organize the programme successfully.

Coordinator

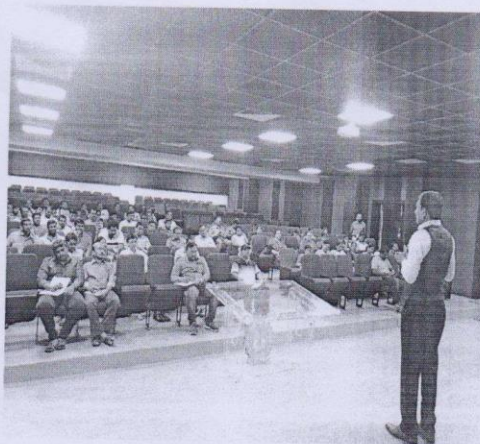
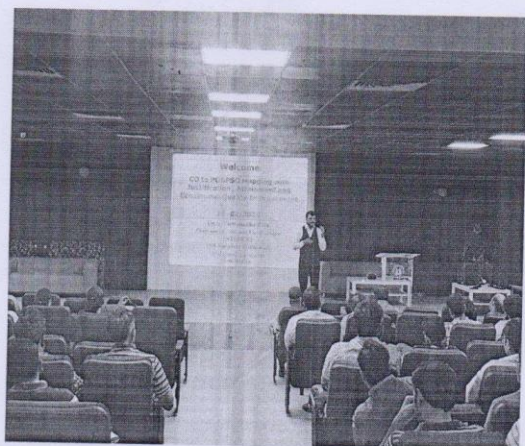
Head of Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



Dr.G. Charles Babu, Professor & HoD, Organized the Programme and addressing the Participants



Session Photos:



Ram

Principal

Malla Reddy Engineering College
Matsammaguda, Dhulapally,
(Post Wa Kumpally), Sec'bad-500100



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Department of computer Science and Engineering

Report on Workshop on “Data Analytics using R Hadoop and Spark”

The Workshop on “Data Analytics using R Hadoop and Spark” program was organized by Department of CSE, MREC (Autonomous), Secunderabad on 10.2.2020 to 22.2.2020. The program covered all the basics and most of the topics were covered in depth as well

The modules covered are

- Installing and using Hadoop
- Big data analysis with Hadoop
- Installing and running Hadoop

Finally, this programme was a very good session for the faculty and research scholars for further processing.

Inaugural session: 10:00 a.m., 10-02-2020.

The esteemed personalities present on the inaugural of the programme:

Dr.A.Ramaswami Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society- Guest of Honor

Dr. K.Indira , Professor,GRIET, Hyderabad

Dhanalatchi
Coordinator

[Signature]
HOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



Ram

Principal

Malla Reddy Engineering College

Maisamaguda, Ghatepally,

(Post Via Kumpalli, Sec'bad-500162)



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WORKSHOP ON FUNDAMENTALS AND APPLICATIONS OF ARC-GIS AND Q-GIS
(2019-20)



The Department of CE has organized a One Week Workshop on “Fundamentals and Applications of Arc-GIS & Q-GIS” on 12th to 18th Dec 2019 for the benefit of B.Tech civil engineering students. The Workshop attended by 72 students. The resource persons are Mr Raju Bathini, GIS Engineer from Median Digital Networks.

ArcGIS is a geographic information system (GIS) for working with maps and geographic information maintained by the Environmental Systems Research Institute (Esri). It is used for creating and using maps, compiling geographic data, analyzing mapped information, sharing and discovering geographic information, using maps and geographic information in a range of applications, and managing geographic information in a database.

QGIS functions as geographic information system (GIS) software, allowing users to analyze and edit spatial information, in addition to composing and exporting graphical maps. QGIS supports both raster and vector layers; vector data is stored as either point, line, or polygon features. Multiple formats of raster images are supported and the software can georeference images.



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WORKSHOP ON Student Certification Program on E-Tabs Software (2019-20)

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
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STUDENT CERTIFICATION PROGRAM ON "ETABS SOFTWARE"

Course : Analysis and Design of Structures using ETABS Software
Organised by : Department of Civil Engineering
Duration : 6 Days
Minimum Qualification : Pursuing IV year B.Tech / M.Tech in Civil Engineering
Dates : 10.07.2019 to 15.07.2019
Time : 10.00 AM to 4.00 PM
Course Fee : Rs.2,000/-

About ETABS SOFTWARE
ETABS is an engineering software product that caters to multi-story building analysis and design. Modeling tools and templates, code-based load prescriptions, analysis methods and solutions techniques, all coordinate with the grid-like geometry unique to this class of structure. Basic or advanced system under static or dynamic conditions may be evaluated using ETABS. For a sophisticated assessment of seismic performance, modal and direct-integration time-history analyses may couple with Large Displacement effects. Nonlinear links and fiber hinges may capture material nonlinearity under monotonic or hysteretic behavior. Interoperability with a series of design and documentation platforms makes ETABS a coordinated and productive tool for designs which range from simple 2D frames to elaborate modern high-rises.

Certification
A participant successfully completing the workshop (having full attendance) will be awarded a completion certificate.

Registration Demand Draft (DD) payable at (OR) Online Transfer
Secunderabad, in favour of "Principal, MREC (A)".
Name of the bank: Union Bank of India
Account Name : Principal MREC (A)
Account No : 711401010050033
IFSC Code : UBIN0571148

Coordinators Dr.J.Rex Associate Professor, CE,
Mobile:9994348591
Email:rexindigul@gmail.com & Dr.C.Srinivas Gupta Professor, CE,
Mobile:9908184258
Email: chunduritiger@gmail.com

The Department of CE has organized a six days Work shop on "Student Certification Program on E-Tabs Software" on 10th to 15th July 2019 for the benefit of M.Tech civil engineering students. The Workshop attended by 23 students. The resource persons are Future CADD teaching staff.

ETABS is an engineering software product that caters to multi-story building analysis and design. Modeling tools and templates, code-based load prescriptions, analysis methods and solution techniques, all coordinate with the grid-like geometry unique to this class of structure. Basic or advanced systems under static or dynamic conditions may be evaluated using ETABS. For a sophisticated assessment of seismic performance, modal and direct-integration time-history analyses may couple with P-Delta and Large Displacement effects. Nonlinear links and concentrated PMM or fiber hinges may capture material nonlinearity under monotonic or hysteretic behavior.



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ONE DAY SEMINAR ON STRUCTURAL HEALTH MONITORING (2019-20)



The Department of CE has organized a one day seminar on “Structural Health Monitoring” on 20th Jan 2020 for the benefit of B.Tech and M.Tech civil engineering students. The one day seminar attended by 25 students. The resource person is Dr Robert Ravi, Professor from ACE Engineering College, Hyderabad and Telangana.

Structural health monitoring (SHM) involves the observation and analysis of a system over time using periodically sampled response measurements to monitor changes to the material and geometric properties of engineering structures such as bridges and buildings.

For long term SHM, the output of this process is periodically updated information regarding the ability of the structure to perform its intended function in light of the inevitable aging and degradation resulting from operational environments. After extreme events, such as earthquakes or blast loading, SHM is used for rapid condition screening and aims to provide, in near real time, reliable information regarding the integrity of the structure



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Report on FDP

“Recent Advances in Power Electronics, Smart Grid, Electric Vehicles and Renewable Energy”

The five day Faculty Development Programme on “Recent Advances in Power Electronics, Smart Grid, Electric Vehicles and Renewable Energy” has been successfully conducted by the Department of Electrical and Electronics Engineering of Malla Reddy Engineering College (Autonomous), Secunderabad during July 1-5, 2019. Participants from different parts of the country actively participated in the FDP and successfully completed the Program.

Positive feedback was received from all the participants. Suggestions given by resource persons, committee members and participants were considered. Certificates were issued to the participants by the program evaluation committee. Attendance and response to test question were taken into consideration for evaluation by program evaluation committee (PEC).





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Report on A

Seminar on

" Research Ethics and Plagarism"

Introduction

The department of EEE Malla reedy Engineering college (Autonomous) conducted a Seminar on “Research Ethics and Plagarism” on 30-07-2019 & 31-07-2019.

The Main aim of the conducting the workshop

1. To improve the knowledge of Research Ethics and Plagarism.
2. To improve the skills for research scholars and students.

Seminar was attended by participants from various engineering colleges and P.G. students.

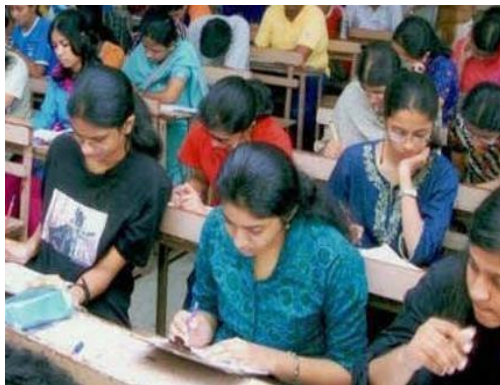
Inaugural session: 10:00 am 30-07-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

M. Arun kumar, Associate Professor, CVR, Hyderabad.-chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)Guest of Honor





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Report on A Seminar on

"How to start your own business"

Introduction

The department of EEE Malla reddy Engineering College (Autonomous) conducted a Training program on “Indian patent Management System- IP Formulate” on 14-10-2019.

The Main aim of the conducting the workshop

1. To improve the knowledge business ideas.
2. To improve the skills for research scholars and students.

Work shop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 14-10-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC(A)

M.Kiran kumar, Associate Professor, CMR, Hyderabad.-chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A) Guest of Honor





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Report on “LabVIEW For Measurement and Data Analysis”

Introduction

The department of EEE Malla Reddy Engineering college (Autonomous) conducted a Training Program on "LabVIEW For Measurement and Data Analysis" on 02-12-2019 to 07-12-2019.

LabVIEW, short for *Laboratory Virtual Instrument Engineering Workbench*, is a programming environment in which you create programs using a graphical notation (connecting functional nodes via wires through which data flows); in this regard, it differs from traditional programming languages like C, C++, or Java, in which you program with text. However, LabVIEW is much more than a programming language. It is an interactive program development and execution system designed for people, like scientists and engineers, who need to program as part of their jobs.

Applications of Labview:

1.Measure Physical Systems With Sensors or Actuators

You can build a custom measurement solution using LabVIEW and NI data acquisition hardware or third-party devices to visualize and analyze real-world signals to make data-driven decisions.

2.Validate or Verify Electronic Designs

You can automate the validation of your product using LabVIEW and NI or third-party hardware to meet challenging time-to-market and performance requirements.

3.Develop Production Test Systems

You can create flexible test applications that control multiple instruments and design user interfaces with LabVIEW to optimize your manufacturing test throughput and operational cost.





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FACULTY DEVELOPMENT PROGRAM ON ESSENTIAL COMPUTATIONAL TECHNIQUES ON RESEARCH



Six day faculty development program on Essential Computational Techniques on Research the Department of MECH organized from 01/07/2019 to 06/07/2019 at conference hall, Malla Reddy Engineering College (Autonomous). Computational techniques are fast, easier, reliable and efficient way or method for solving mathematical, scientific, engineering, geometrical, geographical and statistical problems via the aid of computers.



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WORKSHOP ON 3DPRINTING- THE FUTURE OF MANUFACTURING TECHNOLOGY



The Department of MECH has organized a workshop on 3D Printing- the future of manufacturing technology on 23-12-2019 and 24-12-2019 at Seminal Hall in MECH Department. The workshop attended by 103 students. 3D Printing is the area of Creativity and computerized manufacturing techniques designed especially for students to advance learners. This workshop 3D printing the helps the participants understanding the design, functioning and operation of a basic 3D printer, to make students industry ready.



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***REPORT ON THREE DAY WORKSHOP ON
“ARDUINO BOARD”***

The department of ECE has organized a **two day work shop** on “**ARDUINO BOARD** “ during **27th and 29th August 2019**. The department has invited the resource person **Sourabh Joshi**, RF Engineer from **VEM Technologies**.

During the First day of workshop, Introduction to Arduino board, its modules and interfaces with Microcontroller, pin diagram, and its importance in real time application was explained. They explained about Arduino software tool, how to download the software and its installation procedures.

During Second day of workshop, they explained about programming structure, also how to download bit file in to Arduino board. Hands on experience on different applications like ADC, LCD, LED, RFID based system and implementation of Android based applications.

The workshop was mainly focused on concepts and applications of Arduino board. Around 165 participants benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Mr. N.Pandu Ranga Reddy and Mr. T. Surender Reddy.





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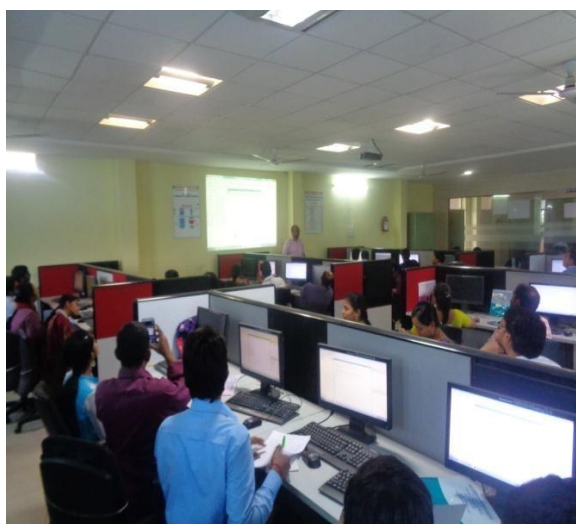
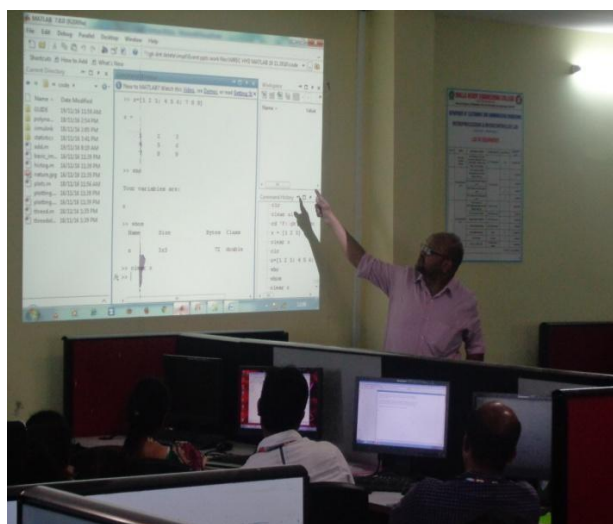
“PRINCIPLES OF COMMUNICATIONS USING MATLAB”

The department of ECE has organized a **Three day work shop** on “**principles of communications using MATLAB**” during **12th and 14th September 2019**. The department has invited the resource persons G. Praveen, senior engineer from M/S Indo global services ltd.

During the First day of workshop on **principles of communications using MATLAB**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about MATLAB tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 135 students benefitted from this workshop. A good feedback was given by the participants. This three day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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Secunderabad-500 100.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Maisammaguda,
31-07-2019.

Report
On

Importance of Internshala

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: Importance of Internshala

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Date: 31-07-2019

Resource Person: Mr.B.Samhith, Value Labs, Hyderabad

Coordinator: Dr.MS VenkataRamayya, Dean IIIC, Department of CSE, MREC (A).

The Department of CSE, MREC (A), organized a One Day Seminar on “ Importance of Internshala “ on 31.07.2019, 240 II B.Tech (I Semester) students attended the Seminar at Mini Auditorium.

Highlights of Seminar:


Internshala is most trusted platform for internships in India. Many students got internships in various companies through Internshala. The process of applying the internship on Internshala is effortless where you can directly apply for internships without paying anything to anyone. Internships are very important part of our education program, first and foremost.

In setting up internships, not only employers are able to offer students a chance to work with industry professionals, but the students also get an opportunity to take the theory they learn in the classroom and put it into practice here, in whichever activity they're focused. All big names in the industry today are striving to hire interns.

A very thankful to our principal for his support to organizing the seminar successfully. Also thankful to our HoD, department of CSE, support to organizing the seminar successfully.


Coordinator

Approved



Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



Randh

Principal

Malla Reddy Engineering College
Malsammaguda, Dhulepally,
(Post Via Kompally), Sec'bad-500100



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**Report
On
Seminar on “Research Methodology: Writing Technical Paper”**

A One-Day of Certification Programme on Seminar on “Research Methodology: Writing Technical Paper” was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 18th Oct, 2019. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Experiments. ...
- Surveys. ...
- Questionnaires. ...
- Interviews. ...
- Case **studies**. ...
- Participant and non-participant observation. ...
- Observational trials. ...
- **Studies** using the Delphi **method**.

Finally, this One-Day Certification programme on Seminar on “Research Methodology: Writing Technical Paper” was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 18-10-2019.

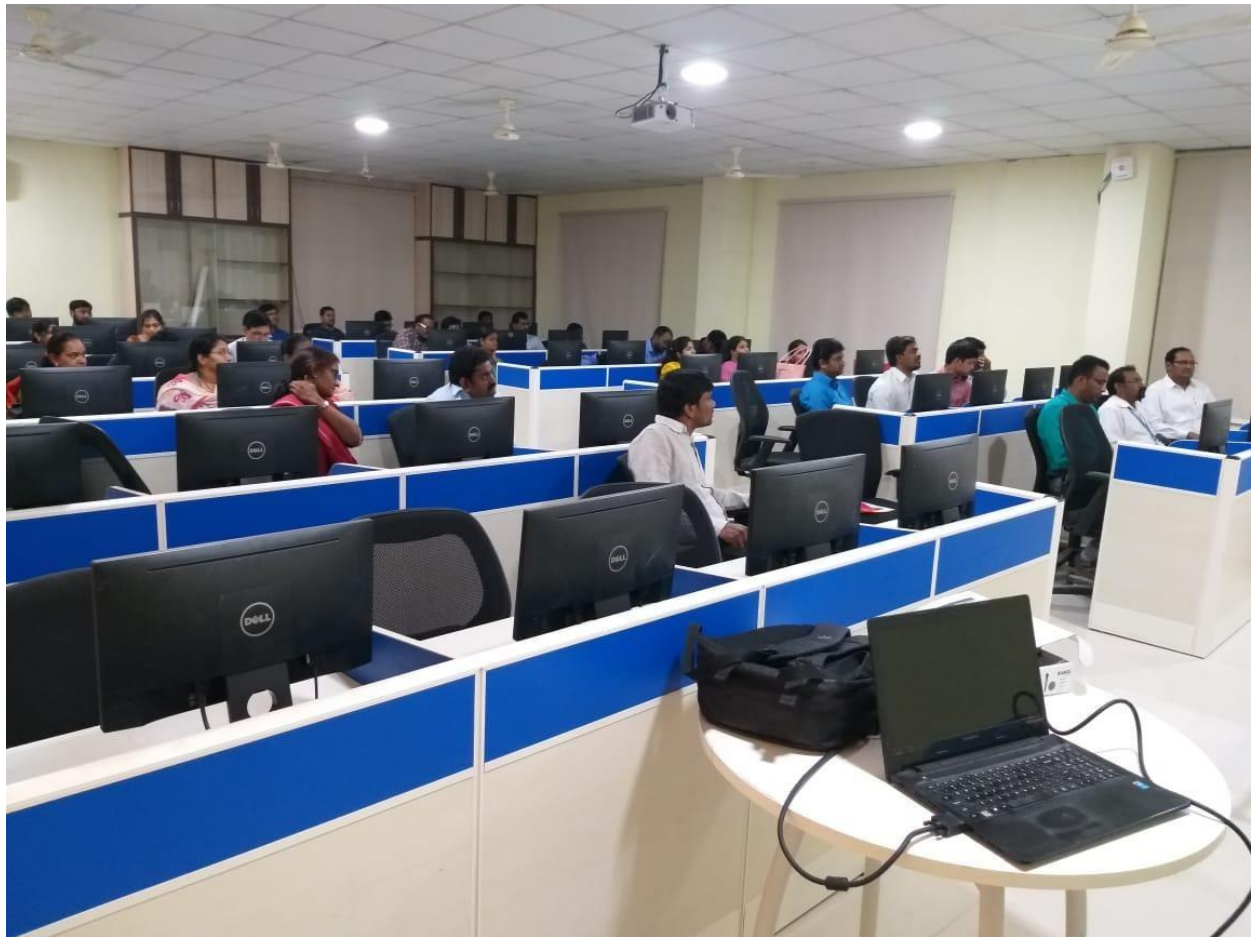
The esteemed personalities present on the inaugural of the programme:

Dr.A.Ramaswami Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society- Guest of Honor

Dr. T. Raghunadh Reddy, Asso. Professor, MATRUSRI ENGINEERING COLLEGE, Hyderabad-Resource Person



Dhanalakshmi
Coordinator

[Signature]
H&D

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Secunderabad-500 100.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Maisammaguda,
18.09.2019.**

Report
On
Workshop

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: Research Methodology: Technical Paper Writing

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Inauguration : 18-09-2019 10.00 AM

Dr.A.Ramaswami Reddy, Principal, MREC (A)

Chief Guest : Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions

Guest of Honor : Sri. Ch. Mahender Reddy Secretary, CMR Educational Society

Resource Person: Gunupudi Rajesh Kumar, Sr. Assistant Professor, VNR VJIET, Hyderabad

Coordinator: Mr. A. Arun Kumar, Asst. Professor, Dept. of CSE

Audience: Faculty Members

Topics Covered in the Workshop:

- How to Write a Technical Paper
- Differences between survey and review
- Plagiarism importance
- Validation & Evaluation
- Research Ethics

A very thankful to our principalsirfor his support to organizing the workshop successfully.

Also very thankful to our HoD for his support to organizing the workshop successfully.



Aron Kumar
Coordinator

[Signature]
HoD
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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**Report on One week Certification Programme
On**

STTP on Research Methodology in Engineering and Technial Paper writing using LaTeX

A One week of Certification Programme on STTP on Research Methodology in Engineering and Technial Paper writing using LaTeX was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 2nd Dec, 2019 to 7th Dec, 2019. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

Advantages writing in Latex

Copy math equations from images

Overleaf — Collaborative Latex Editor

Consistent font across the document

Replace images with pdf figures when possible

Consistent color theme across figures

Finally, this One week Certification programme on STTP on Research Methodology in Engineering and Technial Paper writing using LaTeX was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 02-12-2020.

The esteemed personalities present on the inaugural of the programme:

Dr.A.Ramaswami Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society- Guest of Honor

Dr. S. Jyothi, Professor, SPMVV, Tirupathi



Dhanalakshmi
Coordinator

[Signature]
H&D

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Report on One-Week Programme On FDP on Deep learning and its applications

A One -week Programme on FDP on Deep learning and its applications was Organized by Department of CSE, MREC(Autonomous),Secunderabad during from 7.12.2020 to 12.12.2020. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Deep learning & Machine learning basics
- Mathematical Foundations
- Applications

Finally, this One –week Certification programme on FDP on Deep learning and its applications was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 07-12-2020.

The esteemed personalities present on the inaugural of the programme:

Dr.A.Ramaswami Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

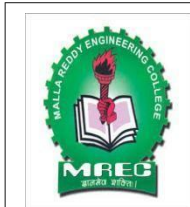
Sri. Ch. Mahender Reddy Secretary, CMR Educational Society- Guest of Honor

Dr. S. Jyothi,Professor,SPMVV, Tirupathi




H&D

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Report on Two day Workshop on

Recent Trends in Mineral Exploration

Mineral Resources are amongst the most important natural resources that dictate the industrial and economic development of a country because they provide raw materials to the primary, secondary and tertiary sectors of the economy.

The use of mineral is as old as civilization. Minerals provided basic needs such as food, clothing, shelter and energy to the mankind. Mineral Exploration is the process of finding ore for extraction, processing and sale. It is an intensive, organized and professional form of mineral prospecting. Proper area selection makes exploration fast, easy and economic. Geophysics, remote sensing, Geochemistry and other modern techniques help in the proper area selection. A thorough knowledge of the process of Mineral Exploration is very much needed for students, faculty and industry leaders.

A two day workshop was organized on 12th and 13th September 2019 at Malla Reddy Engineering College. An invitation was extended to other colleges and to the industry too to help the working engineers with the latest in technology.

Very experienced persons from Geological Survey of India and from Industries like M/s. Singareni Collieries Company Limited, were called as resource persons, who presented their papers. The copies of papers were circulated to the participants.

Dr Hari Sarvothaman, Ex Director GSI, Dr, Harish Mistry, Geologist working in GSI, Mr. M. Shanmukha Rao, Superintendent Geo-physicist Singareni Collieries Company limited, Dr. Jagannath Jetty, Professor Emeritus, JNTUH, CEM, Dr. D. Venkat Reddy, Retd HOD Civil Engg. Department NIT, Suratkal delivered their lectures on the latest topics of Geology and Mineral Exploration.

The presentation on both days were lively. The speakers made audio visual presentation of their papers and there were live discussions at the end of each session. From mining industry senior officers of M/s. SCCL, NMDC have come and participated at the time articles were being presented. The participants welcomed the topics and gave a feedback that more such workshops be arranged in future.





amr...

Head of the Dept.
Dept. of Mining
Malla Reddy Engg. College



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Report on Faculty Development Program on

BLASTING IN MINES

Between 18th and 23rd November 2019, a 6 day Faculty Development Program was organized by the Department of Mining Engineering. The program was organized every day between 9.15hrs and 16.00 hrs.

The subject was dealt in five days on numerous topics. Inaugural session was started by Sri Manish Sinha, ED, BDG Explosives, IOCL. He talked on the importance of blasting in mining and construction industry and his experiences in explosive industry and blast design. On the same day in the evening Sri Chandrahas, Assistant Professor in Mining MREC (A), talked on the subject of different types of explosives, their properties and fields of application.

On the second day Dr. M.O. Sarathy, gM Technical Services of IDL had presented the theory of blasting. Dr. S.N. Shiv Kumar, DGM, SCCL talked on the procedures to be adopted to obtain permissions for SMS/ SME explosives, Dr. M.O. Saradhy also delivered his second lecture on theory of blasting and different initiation techniques along with their fields of applications. The last talk on the day was by Sri PVS Sarma, Blasting consultant on the topic of Opencast mine blast design criteria based on rock properties and production requirements.

On third day the first talk was by Dr K Srinivas, HoD, Mining MREC(A), on adverse effects of blasting, their measurement & control. Sri Anand later in the day talked in two sessions on optimization of blast and its parameters. Dr. M. Ramulu, Scientist, CIFR, Nagpur talked on different controlled blasting techniques, their fields of application and design.

On day four Sri SM Kulkarni, Dy. Chief Controller of Explosives, PESO, Hyderabad on Explosives Act, Rules and Online management of explosives distribution and controlling pilferage. From the same office, Sri NR Shetty, Dy. Controller of explosives, PESO, Hyderabad on procedures for obtaining permissions for explosive magazines including portable magazines, ANFO manufacturing on mine sites and use of SME/SME trucks.

On day five Sri V. Srikanth, Owner of Uttam Blastech manufacturer of blasting instruments gave a lecture on the measurement of blasting measurement of vibration and blasting efficiency. Later in the day Sri PVS Sarma gave a talk on the design of blast for various geo technical conditions of Open pits and cast blasting options.

On day six Sri Jayaram of e chief IOL gave a talk on the protection of buildings and other surface constructions by methods of maximum charge per delay, by using various delay detonators. In the evening, a valedictory function was held in which the participants were given certificates of participation.





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Head of the Dept.
Dept. of Mining
Malla Reddy Engg. College



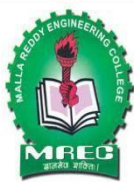
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GUEST LECTURE ON “FUNDAMENTALS OF JAVA PROGRAMMING”



The Department of IT, MREC (A), organized a Guest Lecture on “**Fundamentals of Java Programming**” on 08.08.2019 for II Year Students. Resource Person for this Guest Lecture is Dr. Roopa Chandrika, Professor, Dept. of IT, MRCET, Secunderabad.



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WORKSHOP ON “INTERNET OF THINGS”



The Department of IT, MREC (A), organized a three days workshop on **“Internet of Things”** for III Year Students in association with SCHEMA Technologies from 30.01.2020 to 01.02.2020. Resource Person for this workshop is Ms. Hema , expert trainee in IoT , schema Technologies, Secunderabad



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**A REPORT ON A ONE DAY WORKSHOP ON
WASTEWATER TREATMENT ADVANCED
APPROACH**



Dr.V.Himabindu, Professor in chemistry, JNTUH, Hyderabad and has kindly consented to be a speaker of one day workshop on wastewater treatment -advanced approach from 10.00 AM to 12.30 PM on 9th August 2019 for the benefit of chemistry faculty. The lecturer was arranged at the mini auditorium, main block, MREC.

In her lecturer, Dr.V.Himabindu outlined the role of water as an engineering materials in the domestic, industrial and agricultural sector and also need of water treatment



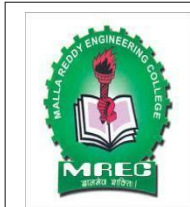
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GUEST LECTURE ON LOGICAL REASONING REFRESHER PROGRAM



The Department of MECH has organized a guest Lecture on “Logical Reasoning Refresher Program” from 01/07/2019 to 06/07/2019 for the benefit of third year students. The resource person is Dr. B. Ramakrishna Reddy, Professor from GRIET, Hyderabad.



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Report on Seminar on Patent Filing Process 24-01-2019

The department of EEE Malla Reddy Engineering College (Autonomous) conducted on Seminar on Patent Filing Process.

The Patents Act is the central legislation that deals with the filing and regulation of the patent applications in India. Patent applications can be filed with the local branch of the Indian Patent Office or at the headquarters depending upon the location of the applicant. There are two kinds of monetary expenses for an applicant to get a patent registered:

- The government fees for forms and renewals
- The fees of the agent or attorney.

The Seminar provided an insight on patent filing process. It was attended by participants from various engineering colleges and students.

Inaugural session: 10:00a.m., 24-01-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

C.Mallesha, Assoc.Prof.,CVSR Engineering College,Venkatapur- Chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC (A) - Guest of Honor





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GUEST LECTURE ON ROLE OF AUTOMATION AND FUTURE OF ENGINEERING EDUCATION



The Department of MECH has organized a guest Lecture on “Role of Automation and Future of Engineering Education” on 04/04/2019 for the benefit of fourth year students. The resource person is Mr. P. Akil, Production executive, ai company, Hyderabad.



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GUEST LECTURE ON CLANGUAGE SKILL DEVELOPMENT



The department of MECH has organized a guest lecture on 'C' Language Skill Development from 17/06/2019 to 22/06/2019 at Seminar hall in MECH Department. The resource persons are Dr.B. Srinivas Rao, Professor, from GRIET, Hyderabad has been invited as resource person.



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GUEST LECTURE ON QUANTITATIVE APTITUDE REFRESHER WORKSHOP



The department of MECH has organized a guest lecture on Quantitative Aptitude Refresher Workshop from 24/06/2019 to 29/06/2019 at Seminar hall in MECH Department. The resource persons is Dr.S. Sivaih, Professor, GNIT, Hyderabad has been invited as resource person.



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REPORT ON THREE DAY WORKSHOP ON

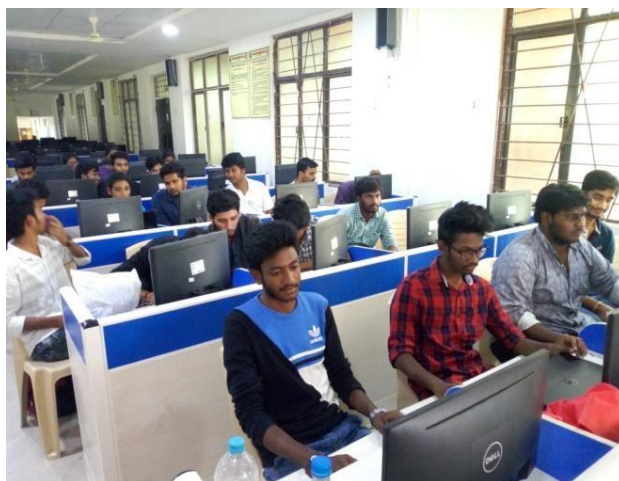
“Lab View for DSP/DIP Applications”

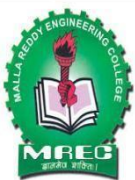
The department of ECE has organized three day work shop on **“Lab View for DSP/DIP Application”** during **07th to 09th February 2019** in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons from M/s Indo Global Services Pvt.Ltd., Hyderabad.

During the first day, introduction to Lab View and its importance, differences between Matlab programming and lab view, about national instruments has been explained. During second day, the concepts of digital signal processing, like convolution, correlation, various filter concepts; FFTs, PSDs, multirate processing etc. have been discussed.

During third day, the concepts of digital image processing like compression, enhancement, restoration, histograms and feature extraction etc. have been discussed.

At an about 67 students of third year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Mrs.C.Silpa and Mrs.P.Sowjanya.





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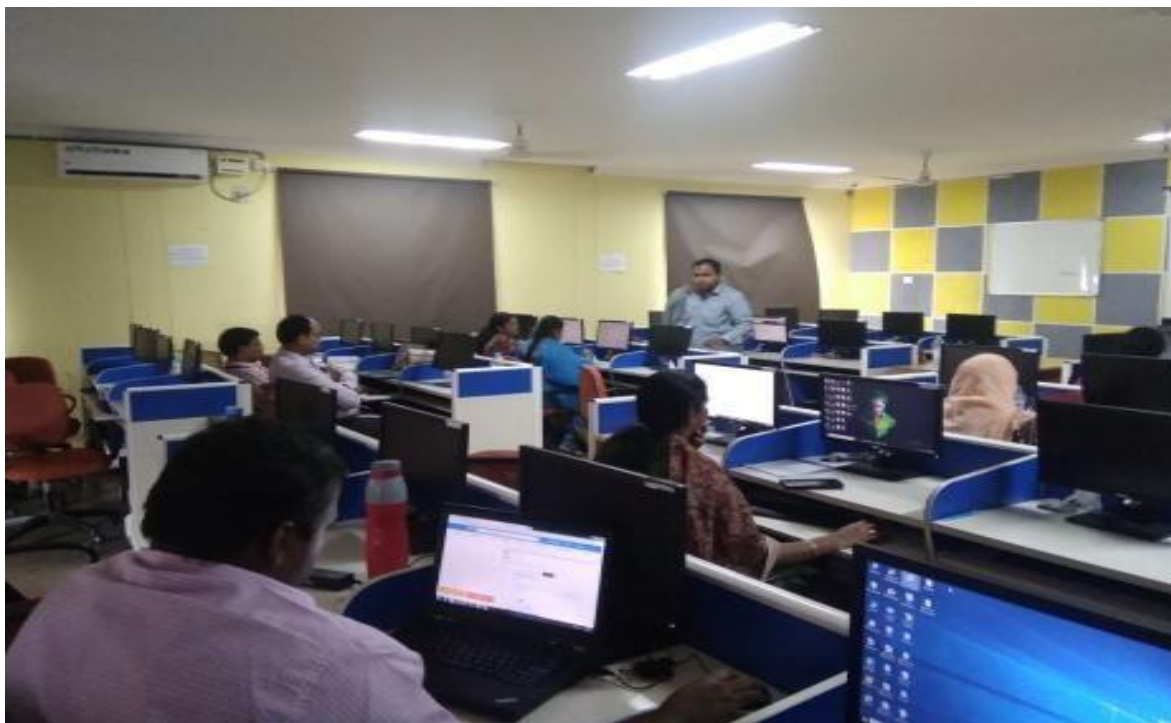
***REPORT ON ONE WEEK WORKSHOP
ON
“C - PROGRAMMING”***

The department of ECE has organized a **one week work shop** on “**C- Programming**” during **01st and 07th June 2019**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to c- programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about c software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 190 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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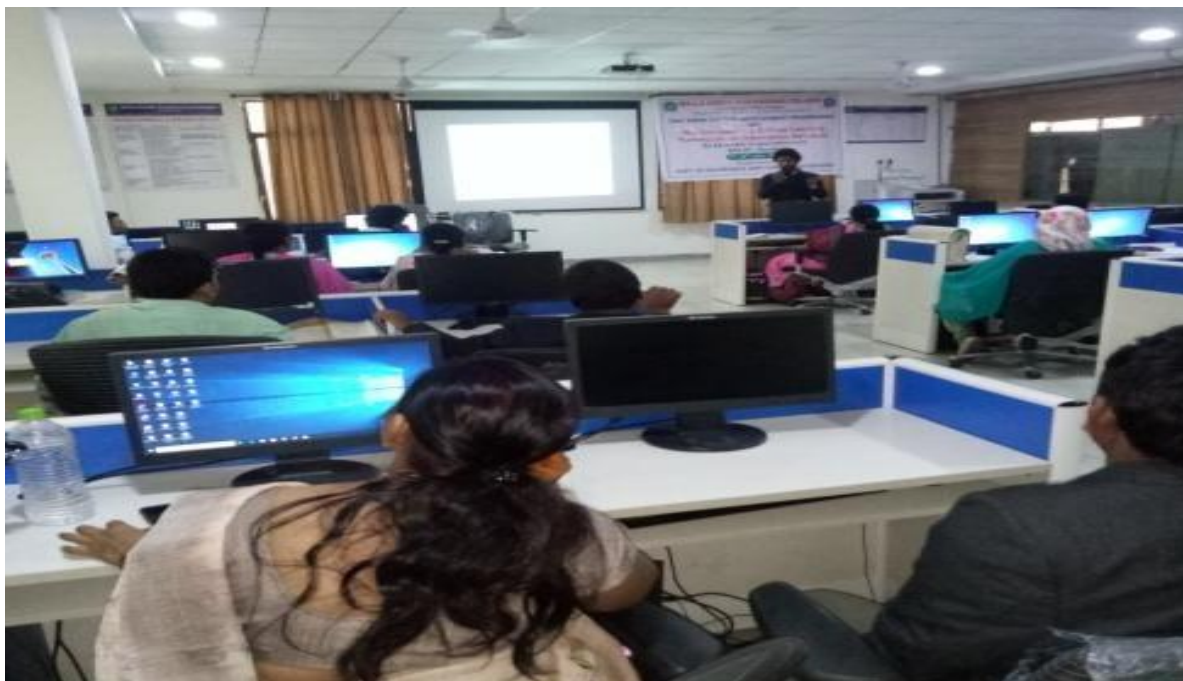
REPORT ON ONE WEEK WORKSHOP
ON
"JAVA PROGRAMMING"

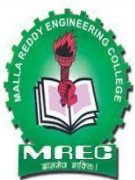
The department of ECE has organized a **one week work shop** on **"Java Programming"** during **08th and 14th June 2019**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to java programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about java software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B. Tech students. Around 180 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A. Pradeep Kumar and N.Pandu Ranga Reddy.





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***REPORT ON ONE WEEK WORKSHOP
ON
“PYTHON PROGRAMMING”***

The department of ECE has organized a **one week work shop** on “**Python Programming**” during **15th and 21st June 2019**. The department has invited the resource person **SUNDARESAN.N** from AI consultant.

During the First day of workshop, Introduction to python programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about python software tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 170 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





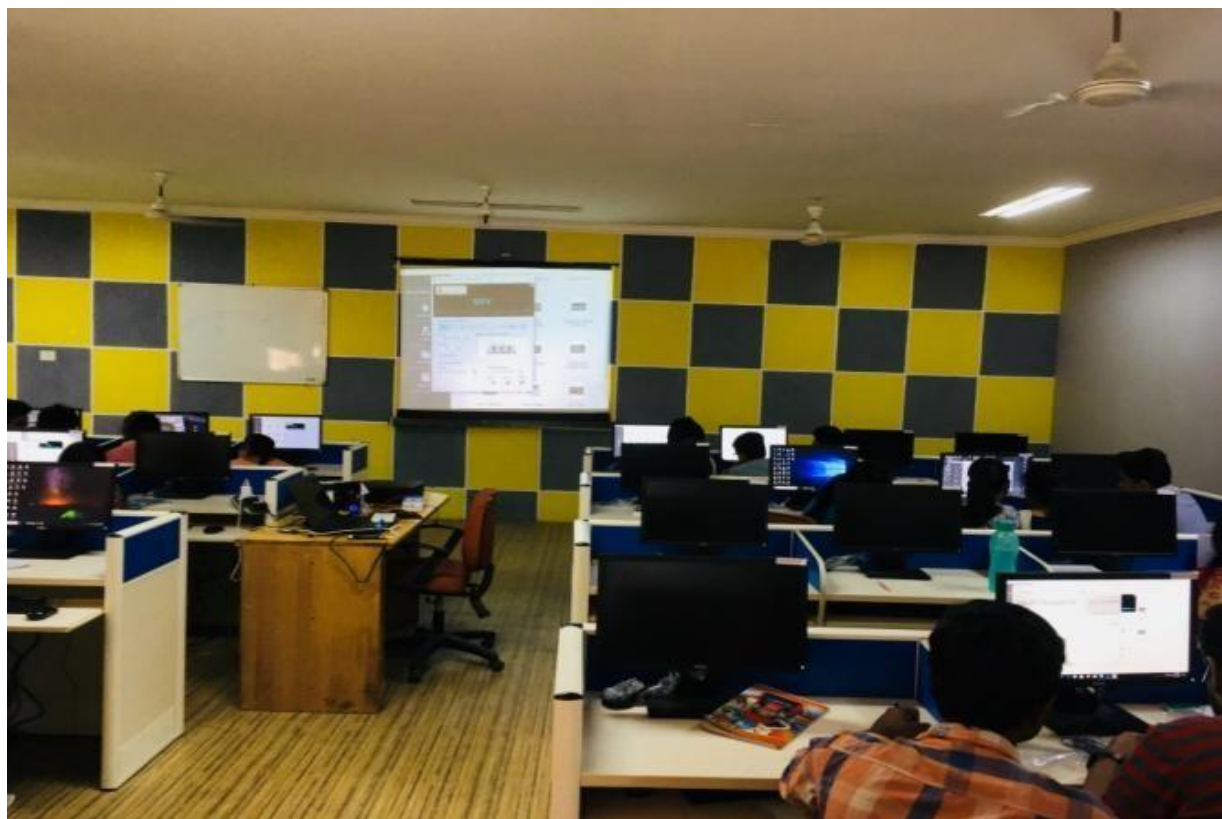
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REPORT ON ONE WEEK WORKSHOP
ON
“QUANTITATIVE APTITUDE”

The department of ECE has organized a One Week Workshop on “**Quantitative Aptitude**” from **22/06/2019 to 28/06/2019**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt. ltd, Hyderabad**.

During the one week of workshop, Introduction to aptitude, its methods, usage and shortcuts and examples and several problems was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by **Dr. A. Pradeep Kumar** and **N. Pandu Ranga Reddy**.





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REPORT ON ONE WEEK WORKSHOP ON

“VERBAL AND NON-VERBAL REASONING”

The department of ECE has organized a One Week Workshop on **“Verbal and Non-verbal Reasoning”** from **29/06/2019** to **05/07/2019**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt.ltd, Hyderabad**.

During the one week of workshop, Introduction to verbal and non-verbal, its reasoning, usage and communication and its importance speaking skills was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by **Dr. A .Pradeep Kumar** and **N.Pandu Ranga Reddy**.





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Maisammaguda,
28.05.2019.**

Report
On
Workshop

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: Artificial Intelligence and Machine Learning

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Dates: 27/05/2019 to 28/05/2019

Inauguration: 27/05/2019 10.00 am

Chief Guest : Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions

Guest of Honor : Sri. Ch. Mahender Reddy Secretary, CMR Educational Society

Resource Person: Dr. Shivani Goel, Bennette University

Coordinator: Dr. Charles Babu, Professor, Dept. of CSE

Audience: Faculty Members

Topics Covered in the Workshop:


- Introduction to AI
- Different forms of learning
- Neural Network
- Genetic Algorithm

A very thankful to our principal sir for his support to organizing the workshop successfully.

Also very thankful to our HoD for his support to organizing the workshop successfully.




Coordinator


HoD
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Secunderabad-500 100.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Maisammaguda,
29.06.2019.**

Report
On
Workshop

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: IOT With Rosberry Pi

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Dates: 24/06/2019 to 29/06/2019

Inauguration: 24/06/2019 10.00 am

Resource Person: Dr. Shivani Goel, Bennette University

Coordinator: Dr. Charles Babu, Professor, Dept. of CSE


Audience: Faculty Members

Topics Covered in the Workshop:

- Introduction to Rosberry pi
- Rosberry pi Lamp stack
- System and file operation using Phython
- Genetic Algorithm
- Web based device control
- Connect to Internet
- GUI Design
- Project Expose

A very thankful to our principal sir for his support to organizing the workshop successfully.

Also very thankful to our HoD for his support to organizing the workshop successfully.



HoD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Maisammaguda,
22.06.2019.**

Report
On
Workshop

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: Artificial Intelligence

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Dates: 22/06/2019 10.00 AM

Chief Guest : Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions

Guest of Honor : Sri. Ch. Mahender Reddy Secretary, CMR Educational Society

Resource Person: Dr. Shivani Goel, Bennette University

Coordinator: Dr. Charles Babu, Professor, Dept. of CSE

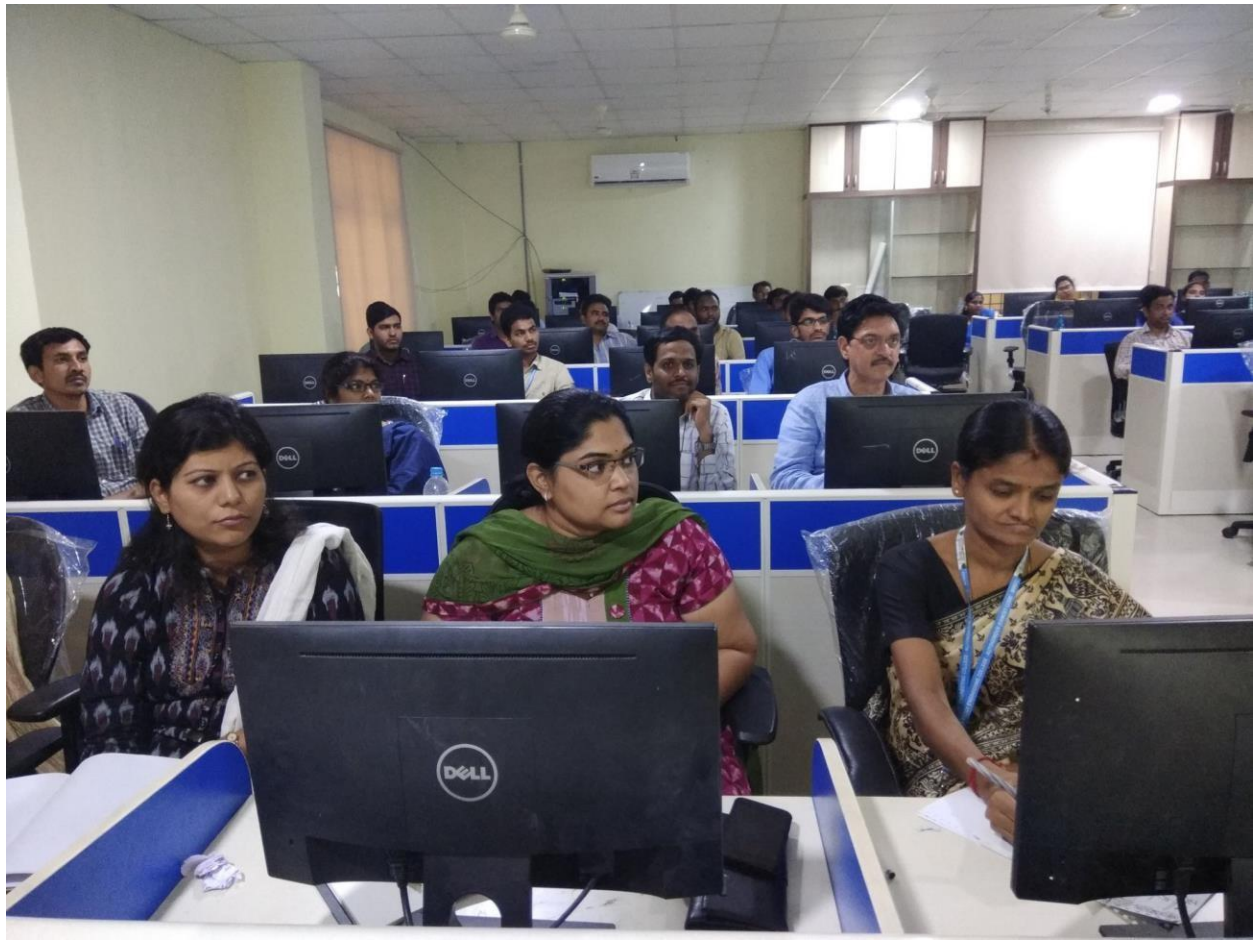
Audience: Faculty Members, Students

Topics Covered in the Workshop:


- Introduction to AI
- Different forms of learning
- Neural Network
- Genetic Algorithm

A very thankful to our principal sir for his support to organizing the workshop successfully.

Also very thankful to our HoD for his support to organizing the workshop successfully.




Coordinator


HoD
Head of the Department
Dept. of Computer Science and Engineering
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Report on One-Day Certification Programme On work shop on " Mobile computing"

A One-Day of Certification Programme on “**Mobile computing**” was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 21st May 2019. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Mobile computing Resources
- Classification
- Security Issues
- Current Trends

Finally, this One-Day Certification programme on “**Mobile computing**” was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 21-05-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. ViswanadhaRaju, Professor & Vice Principal, JNTUCEH, Jagithyal, Resource Person




Coordinator


HOD
Head of the Department
 Dept. of Computer Science and Engineering
 Malla Reddy Engineering College (Autonomous)
 Secunderabad, Telangana - 500 100



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**Report on One-Day Certification Programme On
work shop on " Python programming "**

A One-Day of Certification Programme on **"Python programming"** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 22nd Apr 2019. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Python Basics
- Python Advanced
- Python Resources

Finally, this One-Day Certification programme on **"Python programming"** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 22-04-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. ViswanadhaRaju, Professor& Vice Principal, JNTUCEH, Jagithyal,Resource Person



Coordinator

HoD

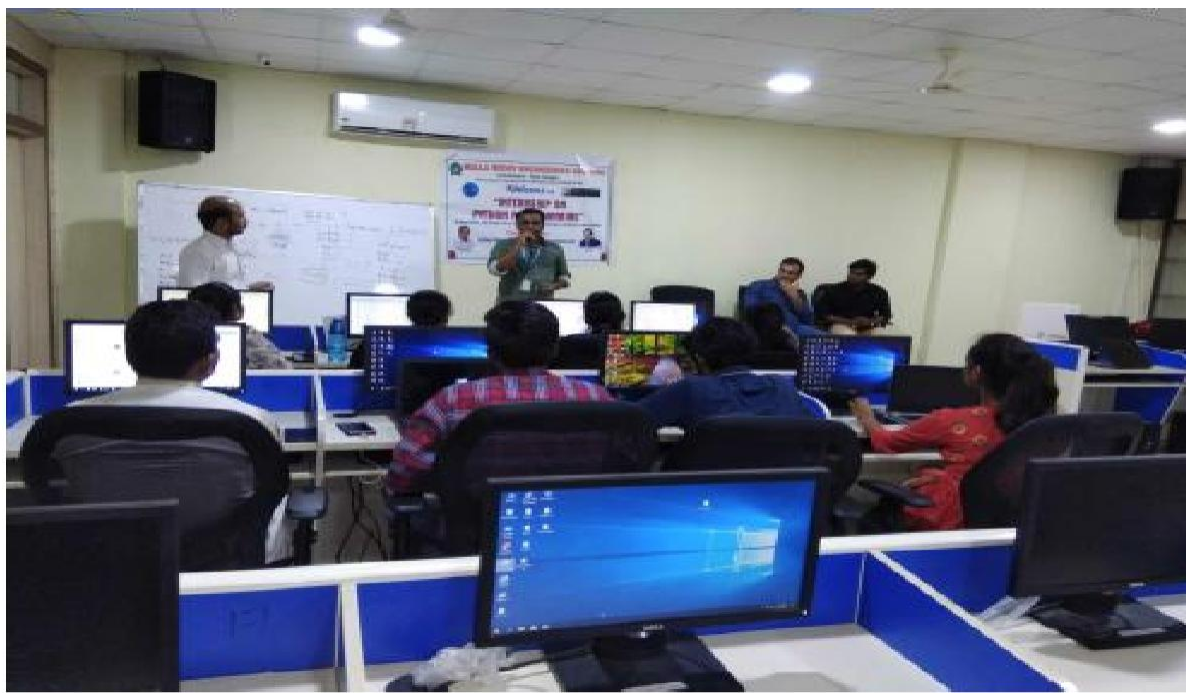
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100



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INTERNSHIP ON PYTHON PROGRAMMING



The Department of IT, MREC (A), organized an Internship on **“Python Programming”** for II Year Students from 20.05.2019.to 31.05.2019. Scube Future Technologies and Webcognize softech private limited, Hyderabad provided the training for this internship.



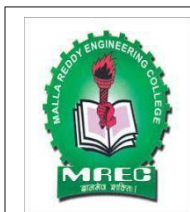
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A REPORT ON A ONE DAY WORKSHOP ON ELECTRO-CHEMISTRY CORROSION



Prof P. Veerasomaiah, Professor in Chemistry, Osmania University has kindly consented to be a speaker of one day workshop on 'Electrochemistry-Corrosions' from 10:00 AM to 1.00 PM on February 23, 2019, for the benefit Chemistry faculty. The lecture was arranged in the mini auditorium, main block, MREC. In his lecture, Prof P. Veerasomaiah outlined the basics of electrochemistry, Applications of Electrochemistry, Batteries. He elucidated the importance of fuel cells and stressed how fuel cells are safe. The lecture was concluded with a doubt clarification session. Dr. D. Ashok, Professor, Osmania University started the afternoon session at 1.30 PM and concluded at 4.00 PM. In his talk, Dr D. Ashok elaborated the various causes of corrosion and problems arise due to corrosion. He mainly focused on boiler trouble like scale and sludge formation, caustic Embrittlement etc. Dr D. Ashok finally explained various corrosion control methods and recent developments in this area.

All the participants were very much impressed regarding the content and delivery of the workshop.



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REPORT

How to become an entrepreneur

The department of MBA has organised one day seminar on How to become an entrepreneur on 01-04-19 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Renedas,EDC,Mumbai.

There are many reasons to promote entrepreneurship among young people since it has a number of potential benefits. An obvious and significant one is that it creates employment for the person owning the business. We should however accept that not all young people could become entrepreneurs in a business sense. It is therefore important to underline that entrepreneurial skills can help youth adapt well to other non-entrepreneurial careers. The improving social attitudes towards entrepreneurship are evident among young people

Any successful entrepreneur requires business agility, with the ability to learn and adapt to new methods, processes or technology that can make their business stronger and more efficient. Market needs have always been dynamic: both the business and consumer worlds are ever-changing and what worked years, even months ago might not work tomorrow.





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REPORT

Research writing and role of literature

The department of MBA has organized one day guest lecture on Research writing and role of literature on 02-02-19 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr. Manchala, Professor, VJIT, Hyderabad

This guest lecture is designed to offer the practical guidelines and direct the researchers through all the stages of research from identifying a research problem to the submission of a dissertation, report writing and research article. The course intends to deal with variety of quantitative and qualitative research methods used in social science researches. It also gives exposure to data analysis with the help of software packages. The workshop consists of both theory and practical. By the end programme they are expected to develop conceptual clarity and practical knowledge to undertake quality research and writing good research papers field-reports and project proposals etc. *literature review* gives readers an understanding of the scholarly research on the topic. to help the students and maintain the vision of the big picture. It describes how the proposed research is related to prior research in statistics. It shows the originality and relevance of your research problem. You should spend a lot of time on your *literature review* because if you do it well, you can use most of it in your dissertation. The purpose of a *literature review* is to: Identify *need* for additional research. Identify the relationship of works in context of its contribution to the topic and to other works. Place your own research within the context of existing *literature* making a case for why further study is *needed*.





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REPORT

Application of MS Excel tools for statistical analysis

The department of MBA has organised one Day guest lecture on Application of MS Excel tools for statistical analysis on 19-01-19 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.Narsimha chary Professor,ICFAI,Hyderabad.

The aim of this short guide is to provide an introduction to using Microsoft Excel (hereafter: Excel) for quantitative data analysis within the context of a business and management research project. It covers some of the key features of Excel that are particularly useful when doing a research project. Further guides give information on the use of Excel to apply various analysis techniques.






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WORKSHOP ON ADVANCES IN CONCRETE TECHNOLOGY (2018-19)

| | | |
|--|---|---|
| APPLICATION FORM Workshop on Advances in Concrete Technology Organized by Dept. of Civil Engg., MREC(A) October 04th and 5th 2018 1. Name : _____ 2. Designation : _____ 3. Organization : _____ 4. Department : _____ 5. Mailing Address : _____ Phone with STD code: _____ Office : _____ Res : _____ Mobile: _____ Email : _____ 6. DD Details : _____ DD No : _____ Dated: _____ Drawn on : _____ Signature of the Applicant Date: _____ Place: _____ This is to certify that Dr./Mr./Ms. _____ of _____ is sponsored to attend the Workshop Signature of Head of the Institution (With seal) Place: _____ Date: _____ | Chief Patron Sri. Ch. Malla Reddy, M.L.A. Hon'ble Minister Labour & Employment, Factories, Women & Child Welfare and Skill development, Telangana State. Founder Chairman, Malla Reddy Group of Institutions. Patrons Sri.Ch. Mahender Reddy, Secretary, MRGL Dr. Ch. Bhadra Reddy, President, MRGL. Chairman Dr. S. Sudhakara Reddy, Principal, MREC (A) Convener Dr. J.Selwyn Babu Head of the Department Coordinators & Contact Address Dr. J.Rex, Mobile: +91 9994348591 Dr. V.L.S. Banu, Mobile: +91 8142681136 Email: cehod@mrec.ac.in . Organizing Committee Dr. C.Srinivas Gupta, Professor Dr. V.L.S. Banu, Professor Dr. P. Saritha, Associate Professor Dr. K. Shimola, Associate Professor | Workshop on Advances in Concrete Technology October 04th and 5th 2018   Organized by Department of Civil Engineering Malla Reddy Engineering College (A) (Main Campus) Maisammaguda, Dhulapally (Post) via Kompally, Secunderabad-500100 Medchal - Malkajgiri District Telangana, India www.mrec.ac.in |
|--|---|---|

The Department of CE has organized a Two days Work shop on “Advances in Concrete Technology” on 4th to 5th Oct 2018 for the benefit of B.Tech civil engineering students. The Workshop attended by 42 students. The resource persons are Dr V Bhikshma, Professor, Osmania University, Hyderabad, Telangana and Dr V Sri Hari, Professor, NICMAR College, Hyderabad, Telangana.

High performance and smart concrete materials have been designed to possess superior mechanical and functional performance, such as ultra-high compressive strength, high tensile strength and ductility, high durability, self-consolidating, self-healing, self-sensing, and/or self-cleaning capacities. Research on the application of these structures at structural and infrastructural scale and its performance has been carried out to fully demonstrate the benefits of these advanced concrete technologies.

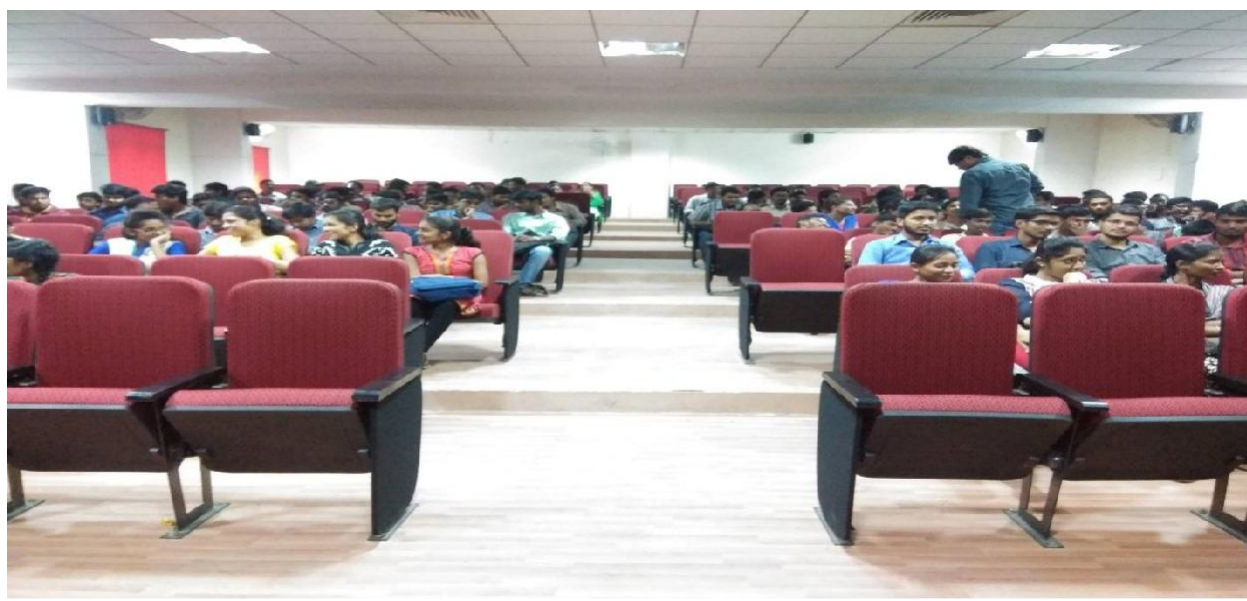


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ONE DAY SEMINAR ON ADVANCE CONCRETE TESTING AND EVALUATION

(2018-19)



The Department of CE has organized a one day seminar on “Advanced Concrete Testing and Evaluation” on 10th Sept 2018 for the benefit of M.Tech civil engineering students. The one day seminar attended by 22 students. The resource person is Dr Shiva Subramanyam, Senior Assistant, Scientist from Centre Scientific and Industrial Research.

Advance Concrete is specifically designed for engineers and structural draftsmen looking for comprehensive and easy to use software, including its own graphics engine allowing it to run with or without AutoCAD. The application can be used for modeling and detailing different types of concrete structures, such as buildings, precast concrete elements, and also for civil engineering designs.



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Report on

**Entrepreneurship Skill Development
26-07-2018**

Introduction

The department of EEE Malla reddy Engineering college (Autonomous) conducted a Training program on Seminar on Entrepreneurship Skill Development 26-07-2018

The Main aim of the conducting the workshop

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

Work shop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 26-07-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

G.Arjun, Assoc.Prof., SPEC, Maisammaguda -chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC (A) Guest of Honor





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Report on Seminar “Startup & Entrepreneurship Interaction” 22-08-2018

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Seminar on Startup & Entrepreneurship Interaction on 22-08-2018.

Entrepreneurship is not only influenced by institutions—entrepreneurs often help shape institutions themselves. The bilateral causal relation between entrepreneurs and institutions is examined in this paper. Entrepreneurs affect institutions in at least three ways. Entrepreneurship abiding by existing institutions is occasionally disruptive enough to challenge the foundations of prevailing institutions. Entrepreneurs sometimes have the opportunity to evade institutions, which tends to undermine the effectiveness of the institutions, or cause institutions to change for the better. Lastly, entrepreneurs can directly alter institutions through innovative political entrepreneurship. As business entrepreneurship, innovative political activity may be productive or unproductive, depending on the incentives facing entrepreneurs. The seminar provided an insight on all these interactions.

Seminar was attended by participants from various engineering colleges and students.
Inaugural session: 10:00a.m., 28-12-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Rahul Reddy, Entrepreneur, Gagillapur, Medak - Chief Guest

Mr.V.Venkat Reddy, Dean Admissions, MREC (A) - Guest of Honor





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Report on Seminar “Be an Entrepreneur”

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Seminar on “Be an Entrepreneur” on 28-09-2018.

An entrepreneur is an individual who creates a new business, bearing most of the risks and enjoying most of the rewards. The process of setting up a business is known as entrepreneurship. The entrepreneur is commonly seen as an innovator, a source of new ideas, goods, services, and business/or procedures.

Entrepreneurs play a key role in any economy, using the skills and initiative necessary to anticipate needs and bringing good new ideas to market. Entrepreneurship that proves to be successful in taking on the risks of creating a [startup](#) is rewarded with profits, fame, and continued growth opportunities. Entrepreneurship that fails results in losses and less prevalence in the markets for those involved. This seminar gave an insight on entrepreneurship skills.

Seminar was attended by participants from various engineering colleges and students.

Inaugural session: 10:00 a.m., 20-09-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

P.V.Prasada Rao Professor, IARE -Chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC (A) - Guest of Honor

No. of Participants: 57





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Report on Workshop “Incubation and patents”

On

28-12-2018

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Training program on “Workshop on Incubation and patents” on 28-12-2018.

The procedure for granting patents, requirements placed on the patentee, and the extent of the exclusive rights vary widely between countries according to national laws and international agreements. Typically, however, a patent application must include one or more [claims](#) that define the scope of protection that is being sought. A patent may include many claims, each of which defines a specific property right. These claims must meet various [patentability](#) requirements, which in the US include [novelty](#), [usefulness](#), and [non-obviousness](#). The Workshop brought an insight on these procedures.

Workshop was attended by participants from various engineering colleges and students. Inaugural session: 10:00a.m., 28-12-2018.

The esteemed personalities present on the inaugural of the programme:

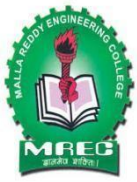
Dr.S.Sudhakara Reddy, Principal, MREC (A)

Moses Dayana, Professor, SPEC -Chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC (A) - Guest of Honor

No. of Participants: 48





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FACULTY DEVELOPMENT PROGRAM ON ENGINEERING DRAWING-AN EFFECTIVE TEACHING METHODOLOGY



One week faculty development program on Engineering Drawing-An Effective Teaching Methodology the Department of MECH organized from 02/07/2018 to 7/7/2018 at conference hall, Malla Reddy Engineering College (Autonomous). Typically, the purpose of an engineering drawing is to clearly and accurately capture all geometric features of a product or component so that a manufacturer or engineer can produce the required item.



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WORKSHOP ON ADVANCES IN HVAC



The Department of MECH has organized a workshop on Advances in HVAC from 03/08/2018 to 04/08/2018 at Seminal Hall in MECH Department. The workshop attended by 48 participants. HVAC systems of the future will use technologies such as more geothermal heat pumps, solar power, smart thermostats and even ice-powered air-conditioning to reduce their energy use and overall environmental impact.



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FACULTY DEVELOPMENT PROGRAM ON ANSYS AND ITS APPLICATIONS



One week faculty development program on ANSYS and its Applications the Department of MECH organized from 17/11/2018 to 24/11/2018 at conference hall, Malla Reddy Engineering College (Autonomous). Ansys Mechanical finite element analysis software is used to simulate computer models of structures, electronics, or machine components for analyzing strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes.



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REPORT ON TWO DAY WORKSHOP ON

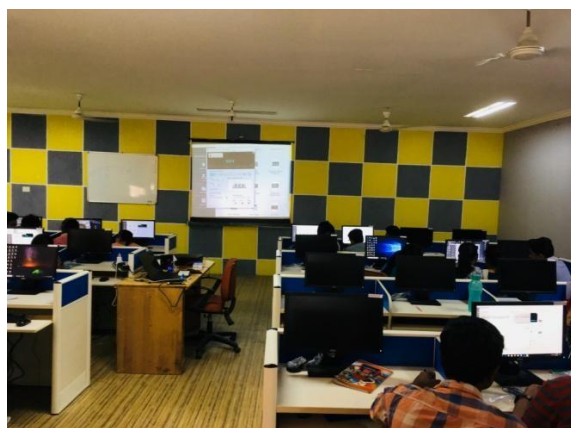
“Development of Advanced Interface & RTOS on ARM7”

The department of ECE has organized two day work shop on **“Development of Advanced Interface & RTOS on ARM7”** during **19th to 20th September 2018** in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons from M/s Unistring Technologies Pvt.Ltd., Hyderabad.

During the first day, introduction to Kiel software version 4 and also explaining importance of embedded C language and also explaining assembly language programming. Hands on experience on reading and writing of a file, simple interrupts handlers, interface 8 bit LED, Buzzer interface, 2*16 LCD display, and generation of PWM signals, SD_MMC card interface.

During second day, explain about COS, and theoretical part of RTOS and in the AN session demonstrates interruptible ISR, application of message queues and memory blocks and also interface programming blinking with two different LEDs at different timings, sending a character through serial with different tasks on priority base.

At an about 66 students of third year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Mr.T.Srinivas Reddy and Mr.Anjaneyulu.





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REPORT ON THREE DAY WORKSHOP ON

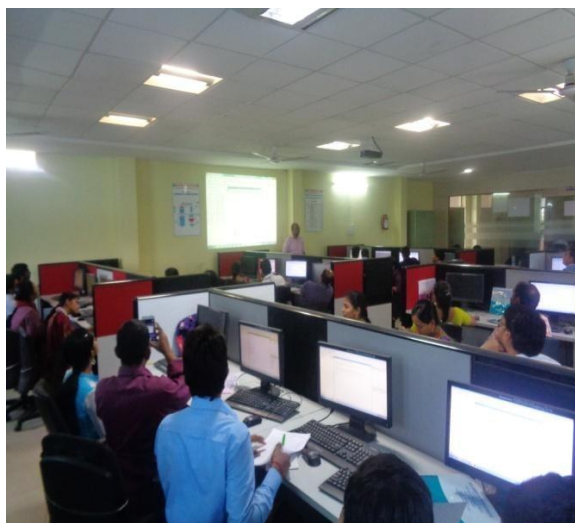
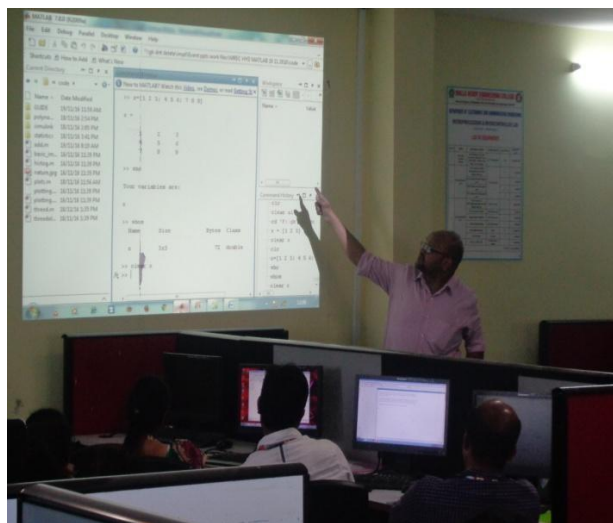
“SIGNAL PROCESSING USING MATLAB”

The department of ECE has organized a **Three day work shop** on “**signal processing and image processing using MATLAB**” during **24th and 26th September 2018**. The department has invited the resource persons G. Praveen, senior engineer from M/S Indo global services ltd.

During the Five day of workshop on **signal processing and image processing using MATLAB**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about MATLAB tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 145 students benefitted from this workshop. A good feedback was given by the participants. This three day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.



Report of Workshop on "Recent Developments in Mine Safety Legislation"

Conducted on 28th December, 2018 at Mallareddy Engineering College (A)

- A day week workshop was held on ""Recent Developments in Mine Safety Legislation" on 28th December, 2018 at Mallareddy Engineering College (A) organised by department of mining engineering MREC (A) .The workshop was attended by 23 students and faculty from Malla Reddy Engineering College,. The purpose behind the workshop was to create awareness to mining engineers on recent changes in Mines Safety Legislation.
- In the inaugural session, after Jyothi Prajwalana and Prayer song Prof S. Sudhakara Reddy, Principal MREC(A) welcomed the guests and emphasized about importance of mining in industrial growth and congratulated Department of mining for conducting such program in MREC(A)
- Sri V.LaxmiNarayana, Rtd DDGMS, explained in detail the changes that were being brought to Mines Act 1952, which is going to be Industrial Safety Code which is going to be same for 14 other industries. He told the students that Mines Rules 1955 will be scrapped as the same is already incorporated into the Code.
- He also gave details about the amendments made to Coal Mines Regulations, 1957 which is now called as Coal Mines Regulations 2017.
- He further discussed the changes proposed in the Metalliferrous Mines Regulations, in the same manner as Coal Mines Regulations.
- which empowers students in top notch manner, he has explained "Major changes between metalliferous mines regulation, 1961 and draft metalliferous mines regulations, 2018. Later Sri E.Jayakumar, Rtd DMS delivered his lecturer on "Administration of mine safety through participation of stake holders" which was very much inculcated in student minds.

Coordinator and convener felicitated the speakers with the Shawl and memento.

- After positive feedback from the participants, certificates of Participation were distributed to all students by HoD and Principal of the College.
- Photographs of sessions and participants are enclosed

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Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.

Head of the Dept.
Dept. of Mining
Malla Reddy Engg. College



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 Head of the Dept.
 Dept. of Mining
 Malla Reddy Engg. College

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 Principal
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Report on Workshop conducted on ANSYS and its applications

A Faculty Development Program was organized at Malla Reddy Engineering College for the academic improvement for the faculty. The FDP was organized basically for developing the skills of the faculty.

Ansys is widely used in Mining. Mining Prospects Enhanced with ANSYS Engineering Simulation. Ansys software is being used in the mining industry to develop precise-delay timing for blasting. Studies are being conducted in studying the effects of multiple blastholes on rock fracturing and fragmentation to further its ability to provide various services to industry. The effort is shedding light on the complex physics set in motion in the rock blasting process, and the results will be used to improve overall processes.

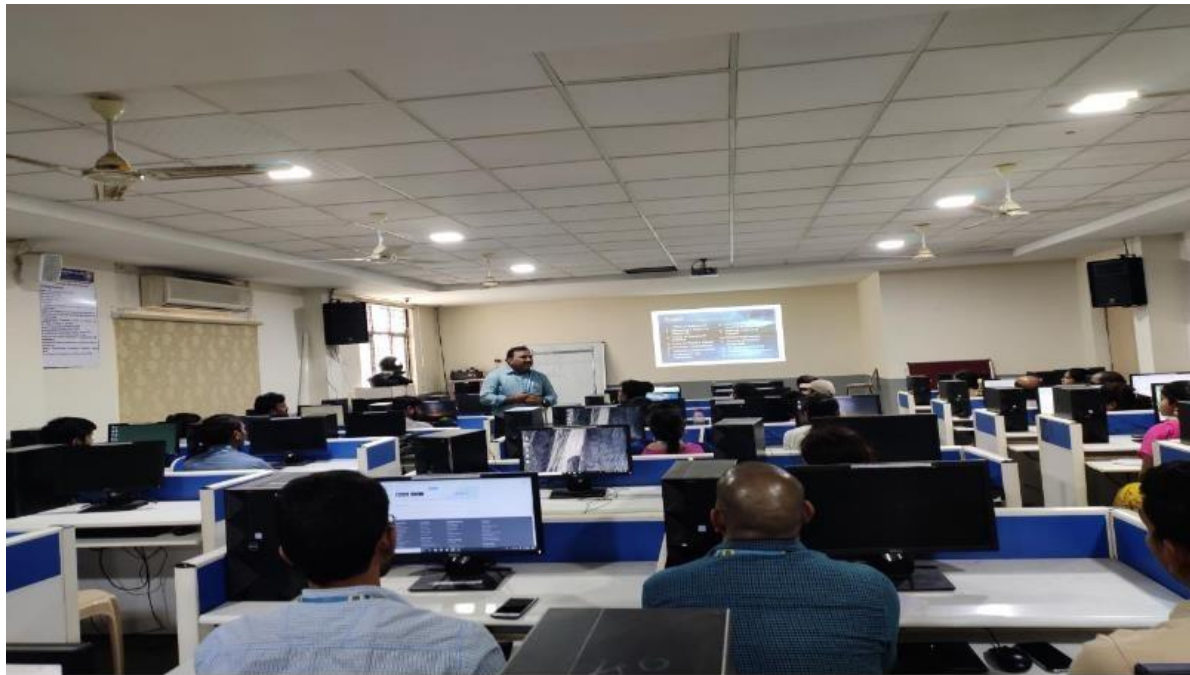
Technology from ANSYS enables engineers to go beyond physical constraints and perform simulated tests that would otherwise not be possible. This is so important to exploring and expanding operational boundaries in developing leading-edge products and processes.

25 Faculty members of them all the mining and some Mechanical and Civil faculty of the MREC(A) attended along with serving officers of Singareni Collieries Company Limited and other faculty from the other engineering colleges in Andhra Pradesh have attended the program.

Good inputs were given by the resource persons. There was hand on job experience created by formulating projects which were solved on the computer terminals. The overall experience was very enriching for the faculty and they welcomed and gave feedback that such programs should be organized more often.


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Dept. of Mining
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Report

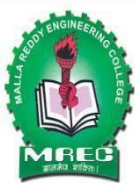
Research methodology and academic projects

The department of MBA has organised one Day guest lecture on Research methodology and academic projects on 25-10-18 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Madhusudan, Director, Green India Technologies, Hyderabad.

The guest lecture was designed to provide training and support to the students' research projects which is also a part of University curriculum topics like Basic Research, Selection of Topic, Literature Review, Questionnaire designing, Collection of Data, Basic Statistics, Data Analysis and Report writing were covered in the guest lecture.

It included the inputs on selection of topic, problem definition, research design, synopsis writing and Hypothesis framing. To enhance knowledge base and develop skills of participants for selecting appropriate research technique to provide guidelines about project report, dissertation, thesis, manuscript and project proposals writing to provide the participants with a broad view of design of experiments techniques





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GUEST LECTURE ON LOGICAL REASONING REFRESHER PROGRAM



The Department of MECH has organized a guest Lecture on “Logical Reasoning Refresher Program” from 02/07/2018 to 07/07/2018 for the benefit of third year students. The resource person is Dr. B.R. Sridhar Reddy, Professor from CBIT, Hyderabad.



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WORKSHOP ON INTEGRATED WATER RESOURCES
MANAGEMENT A WAY TO SUSTAINABLE DEVELOPMENT
(2017-18)



The Department of CE has organized a One day Work shop on “Integrated Water Resources Management A way to Sustainable Development” on 6th Jan 2018 for the benefit of M.Tech civil engineering students. The Workshop attended by 18 students. The resource persons are B Sankara Rao M.E, Chartered & Consulting Engineer, and Visiting Professor, Former SE Govt of Telangana and Dr Jenifa Latha, HOD, Aurora Engineering College, Bandlaguda, Telangana. .

Physical modeling has been a significant feature included in the program. STAAD.Pro Physical Modeler takes advantage of physical modeling to simplify modeling of a structure, which in turn more accurately reflects the process of building a model. Beams and surfaces are placed in the model on the scale of which they would appear in the physical world. A column may span multiple floors and a surface represents an entire floor of a building, for example. A joint is then generated anywhere two physical objects meet in the model (as well as at the free ends of cantilevered members, for convenience).



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ONE DAY SEMINAR ON NON DESTRUCTIVE TESTINGS (2017-18)



The Department of CE has organized a one day seminar on “Non Destructive Testings” on 16th Mar 2018 for the benefit of M.Tech civil engineering students. The one day seminar attended by 23 students. The resource person is Mr Mantha Ramesh Murthy, Director from MA Consultancy Services Pvt Ltd Hyderabad, Telangana.

Non-destructive testing (NDT) is a testing and analysis technique used by industry to evaluate the properties of a material, component, structure or system for characteristic differences or welding defects and discontinuities without causing damage to the original part. NDT also known as non-destructive examination (NDE), non-destructive inspection (NDI) and non-destructive evaluation (NDE)



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WORKSHOP ON STAAD Pro SOFTWARE (2017-18)



The Department of CE has organized In Jointly conducted with Future CADD a Six days Work shop on “STAAD Pro Software” on 5th to 10th Feb 2018 for the benefit of M.Tech civil engineering students. The Workshop attended by 18 students. The resource persons Future CADD teaching staff.

STAAD.Pro is the professional's choice for steel, concrete, timber, aluminum and cold-formed steel design of low and high-rise buildings, culverts, petrochemical plants, tunnels, bridges, piles and much more!

STAAD.Pro is the premier FEM analysis and design tool for any type of project including towers, culverts, plants, bridges, stadiums, and marine structures. With an array of advanced analysis capabilities including linear static, response spectra, time history, cable, and pushover and non-linear analyses, STAAD.Pro provides your engineering team with a scalable solution that will meet the demands of your project every time.



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REPORT ON ONE WEEK WORKSHOP ON

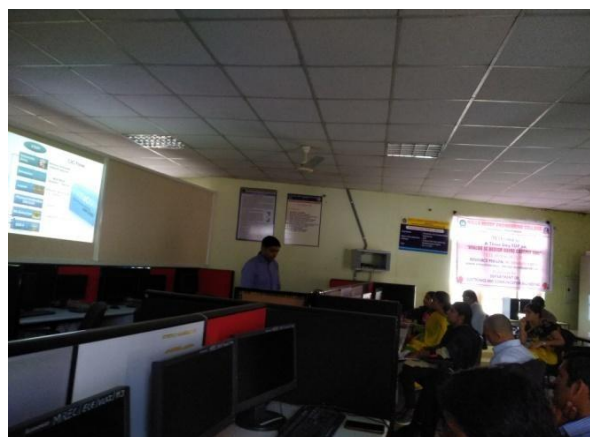
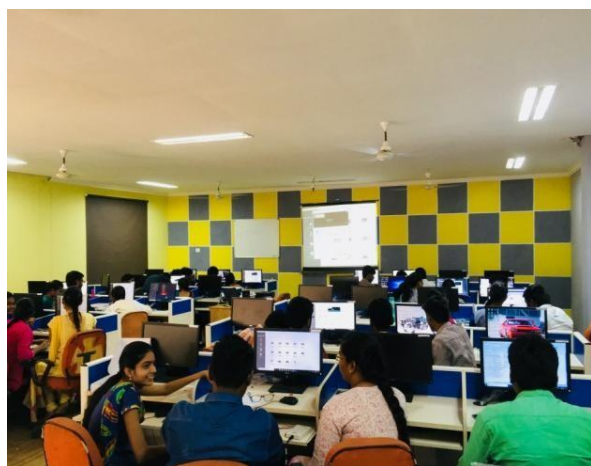
“VLSI Semi Custom Design”

The department of ECE has organized one week work shop on **“VLSI Semi Custom Design”** during **18th June 2018 to 23rd June 2018** at **VLSI lab** in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons from M/s Vedic school of VLSI Design, Hyderabad.

During the first day, introduction to EDA's, VLSI design flow and front end design tools used for VLSI have been discussed. During the next two days, a detailed description of CAD tools was given with a practical approach. The hardware description language such as VHDL and Verilog are discussed in detail.

On next day, timing analysis and layout have been demonstrated and hands on training have been given to all the students. During last two days of work shop, schematic to layout conversion, DRC checking and final product evaluation have been demonstrated by the resource persons and personally carried out by each and every student.

At an about 67 students of final year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Mr.T.Surender Reddy and Mr.V.Srinivas.





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Report on Seminar on Patents, Copyrights and trademarks 05-02-2018

Intellectual property theft has always been a problem, but it has never affected as many people as it does today. If you've taken a photo, recorded a song or written a letter, you've likely created a copyright. If you operate a small business, you probably qualify for trademark protection, and if you invent something, you may be able to patent it. But the same tools that make it easy to distribute your work online make it easier than ever to steal. Seminar was attended by participants from various engineering colleges and students. The Seminar provided an overview on patents, copyrights and trademarks

The department of EEE Malla Reddy Engineering College (Autonomous) conducted Seminar on Patents, Copyrights and trademarks on 05-02-2018.

Inaugural session: 10:00a.m., 05-02-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

C.Mallesha, Assoc.Prof.,CVSR Engineering College,Venkatapur -chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)Guest of Honor





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Report on Seminar “Awareness on Patent Drafting”

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Seminar on “Awareness on Patent Drafting” on 08-03-2018.

A patent application needs to describe an invention completely, and if you really are entitled to a patent then at least some aspect of your invention is new and non-obvious, which means that heretofore it hasn't existed. Describing something new that has not previously existed is more of a challenge than most people realize. Seminar was attended by participants from various engineering colleges and students. Many times those new to the industry fail to adequately describe inventions because the invention is obvious to them, and they think it will be equally obvious to others. The law, however, requires that a patent application explain the invention to someone who is not already familiar with the invention. The Seminar gave an insight on patent drafting.

Inaugural session: 10:00a.m., 08-03-2018

The esteemed personalities present on the inaugural of the programme:

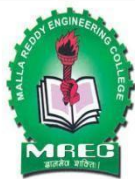
Dr.S.Sudhakara Reddy, Principal, MREC (A)

T.Anil Kumar, Associate Professor & HOD, CVSR -Chief Guest

Mr.V.Venkat Reddy, Dean Admissions, MREC (A) -Guest of Honor

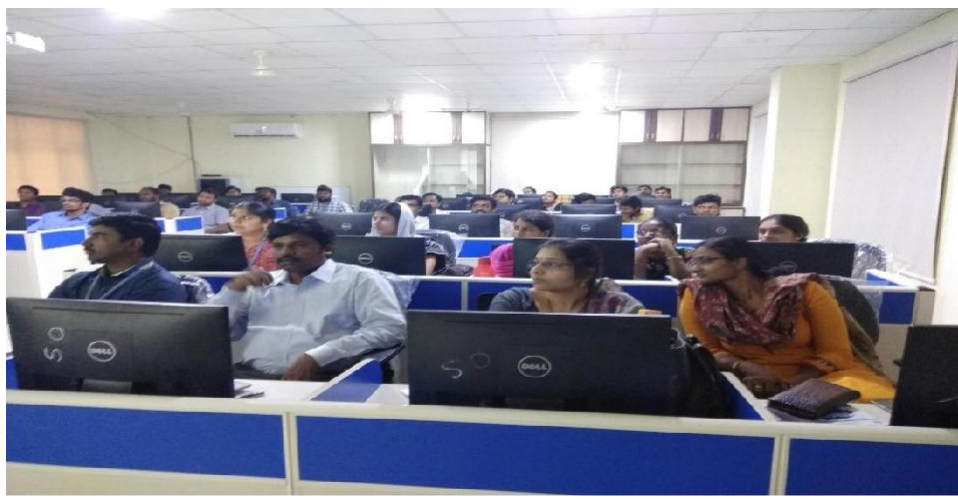
Total Participants: 32





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WORKSHOP ON PTC CREO PARAMETRIC 3.0



The Department of MECH has organized a workshop on PTC Creo Parametric 3.0 from 04/01/2018 to 10/01/2018 at Seminal Hall in MECH Department. The workshop attended by 43 students. Creo Parametric provides the broadest range of powerful yet flexible CAD 3D modeling software capabilities to accelerate the design of parts and assemblies. With Creo and its extensions, you'll have access to technologies such as: Generative design. Real-time simulation.



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GUEST LECTURE ON CLANGUAGE SKILL DEVELOPMENT



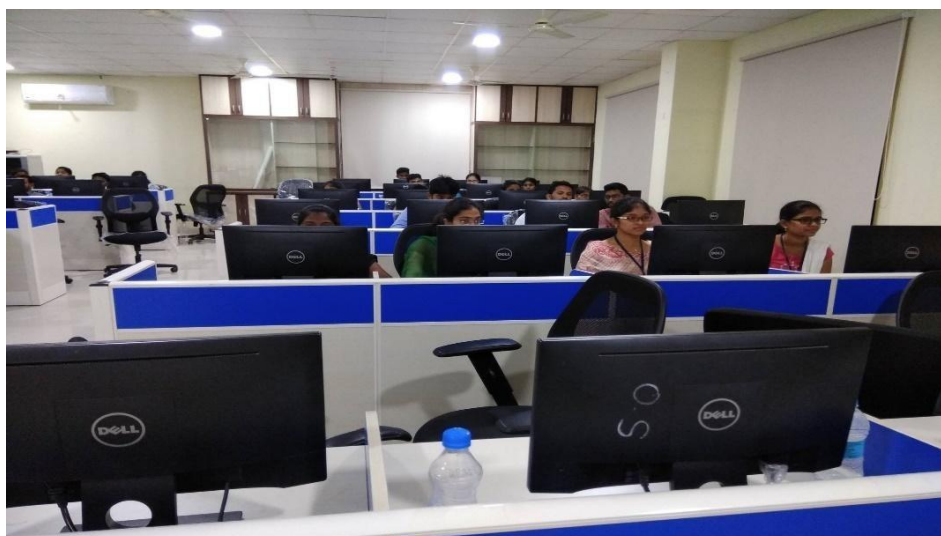
The department of MECH has organized a guest lecture on 'C' Language Skill Development from 19/06/2017 to 24/06/2017 at Seminar hall in MECH Department. The resource persons is Dr.P. Suresh, Professor, from CBIT, Hyderabad has been invited as resource person.



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GUEST LECTURE ON QUANTITATIVE APTITUDE REFRESHER WORKSHOP



The department of MECH has organized a guest lecture on Quantitative Aptitude Refresher Workshop from 25/06/2018 to 30/06/2018 at Seminar hall in MECH Department. The resource persons is Dr. G. Jitendar Reddy, Professor, VNRVJIT, Hyderabad has been invited as resource person.



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REPORT ON THREE DAY WORKSHOP ON

“PCB Design and Fabrication Process ”

The department of ECE has organized a **Three-day work shop** on “**PCB Design and Fabrication Process**” during **08th and 10th February 2018**. The department has invited the resource persons **from PGP Electronics Pvt Ltd**.

During the first day of the program , introduction to PCB , PCB Fabrication process , Importance of PCB design , Types of PCBs , Multi-layer PCBs and material used for PCB is explained.

Introduction to CAD tools , Overview of CAD Tools , Generic tools , introduction to PCB Design Software , Schematic Capture , Schematic to PCB conversion , Creating new project , Introduction to

During the three day of workshop on **introduction to cadence software**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about cadence tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on design and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 140 students benefitted from this workshop. A good feedback was given by the participants. This three-day workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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***REPORT ON ONE WEEK WORKSHOP
ON***

“C - PROGRAMMING”

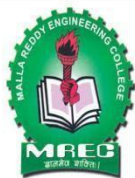
The department of ECE has organized a **one week work shop** on “**C- Programming**” during **01st and 07th June 2018**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to c- programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about c software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 175 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP
ON
"JAVA PROGRAMMING"

The department of ECE has organized a **one week work shop** on **"Java Programming"** during **08th and 14th June 2018**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to java programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about java software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 175 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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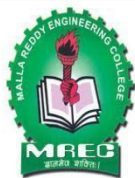
***REPORT ON ONE WEEK WORKSHOP
ON
“QUANTITATIVE APTITUDE”***

The department of ECE has organized a One Week Workshop on **“Quantitative Aptitude”** from **15/06/2018 to 21/06/2018**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt.ltd, Hyderabad**.

During the one week of workshop, Introduction to aptitude, its methods, usage and shortcuts and examples and several problems was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one week workshop was coordinated by **Dr. A. Pradeep Kumar** and **N. Pandu Ranga Reddy**.





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Telangana State – 500100, www.mrec.ac.in

REPORT ON ONE WEEK WORKSHOP
ON
“VERBAL AND NON-VERBAL REASONING”

The department of ECE has organized a One Week Workshop on **“Verbal and Non-verbal Reasoning”** from **22/06/2018 to 28/06/2018**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt. ltd, Hyderabad**.

During the one week of workshop, Introduction to verbal and non-verbal, its reasoning, usage and communication and its importance speaking skills was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 200 students benefitted from this workshop. A good feedback was given by the participants. This one-week workshop was coordinated by **Dr. A .Pradeep Kumar** and **N.Pandu Ranga Reddy**.





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(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Department of computer Science and Engineering

Date:22.02.2018.

Report on Workshop on Big Data with Hadoop

The **IBM CE - Essentials of Big Data with Hadoop using IBM Infosphere Big insights** was organized by Department of CSE, MREC (Autonomous), Secunderabad from 19/02/2018 to 22/02/2018. The program covered all the basics and most of the topics were covered in depth as well

The modules covered are

- All insightful introduction to predictive Analytics for insightful decision IBM SPSS
- Discussion & highlight the key features and advantages of the software
- Data Analysis & data evaluation techniques for solving business cases using Analytics methods

Finally, this programme was a very good session for the faculty and research scholars for further processing.

Inaugural session: 10:00 a.m., 19-02-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. N. Rajender Reddy, Assistant Professor, VCE, Warangal



S. Ajay Kumar
Coordinator


HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

(Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100)

Report on One day Workshop on “Cloud Computing”

Date: 06.01.2018

This Certification Programme on **One day Workshop on “Cloud Computing”** was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 05th Jan,2018. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Cloud Computing basics
- Cloud Development Models
- Cloud Services Models

Finally, this One day Certification programme on **One day Workshop on “Cloud Computing”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 05-01-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. M RAJA SEKAR,Professor,VNRVJIT,Hyderabad



S. Ajay Kumar
Coordinator


HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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(Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100)

Department of computer Science and Engineering

Report on Workshop on Big Data with Hadoop

Date: 26.05.2018

This Certification Programme on Five **Days Workshop on IBM CE - Essentials of Big Data with Hadoop using IBM Infosphere Big insights** was organized by Department of CSE, MREC (Autonomous), Secunderabad from 21/05/2018 to 25/05/2018. The program covered all the basics and most of the topics were covered in depth as well.

The modules covered are

- All insightful introduction to predictive Analytics for insightful decision IBM SPSS
- Discussion & highlight the key features and advantages of the software
- Data Analysis & data evaluation techniques for solving business cases using Analytics methods

Finally, this programme was a very good session for the faculty and research scholars for further processing.

Inaugural session: 10:00 a.m., 21-05-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)


Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. K.Indira , Professor,GRIET, Hyderabad




Coordinator


HOD, CSE
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
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MALLA REDDY ENGINEERING COLLEGE

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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Department of computer Science and Engineering

Report on Machine Learning using Python

Date: 27.06.2018.

The program “**Machine Learning using Python**” was organized by Department of CSE, MREC (Autonomous), Secunderabad from 21/06/2018 to 27/06/2018. The program covered all the basics on machine learning and most of the topics were covered in depth as well.

Artificial Intelligence (AI), Machine Learning (ML) and Data Science (DS) are the pillars of the fourth industrial revolution. ML is an application of AI which allows computers to automatically learn from data without being explicitly programmed. Python has been designed with the provision for creating Machine Learning algorithms. Python is preferred as the best and robust platform for Machine Learning systems. Python also has numerous libraries for machine learning, data manipulation and analysis as well as a very active development community that continuously updates and creates new packages. It has been adopted by a wide variety of industries and applications including Data Science, Machine Learning, Data Analytics, Predictive Analytics, Business Intelligence and Web Analytics. This workshop aims to explore Python Programming right from installation, fundamentals to Machine Learning algorithms.

The workshop covered the basic algorithm that helps us to build and apply prediction functions with an emphasis on practical applications.

The outcomes of this workshop are:

- Understand the components of a Machine Learning algorithm.
- Apply Machine Learning tools to build and evaluate predictors
- How Machine Learning uses computer algorithms to search for patterns in data
- How to uncover hidden themes in large collections of documents using topic modeling
- How to prepare data, deal with missing data and create custom data analysis solutions for different industries
- Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming
- Familiarity with Python installation, syntax and design

Finally, this programme was a very good session for the faculty and research scholars for further processing.

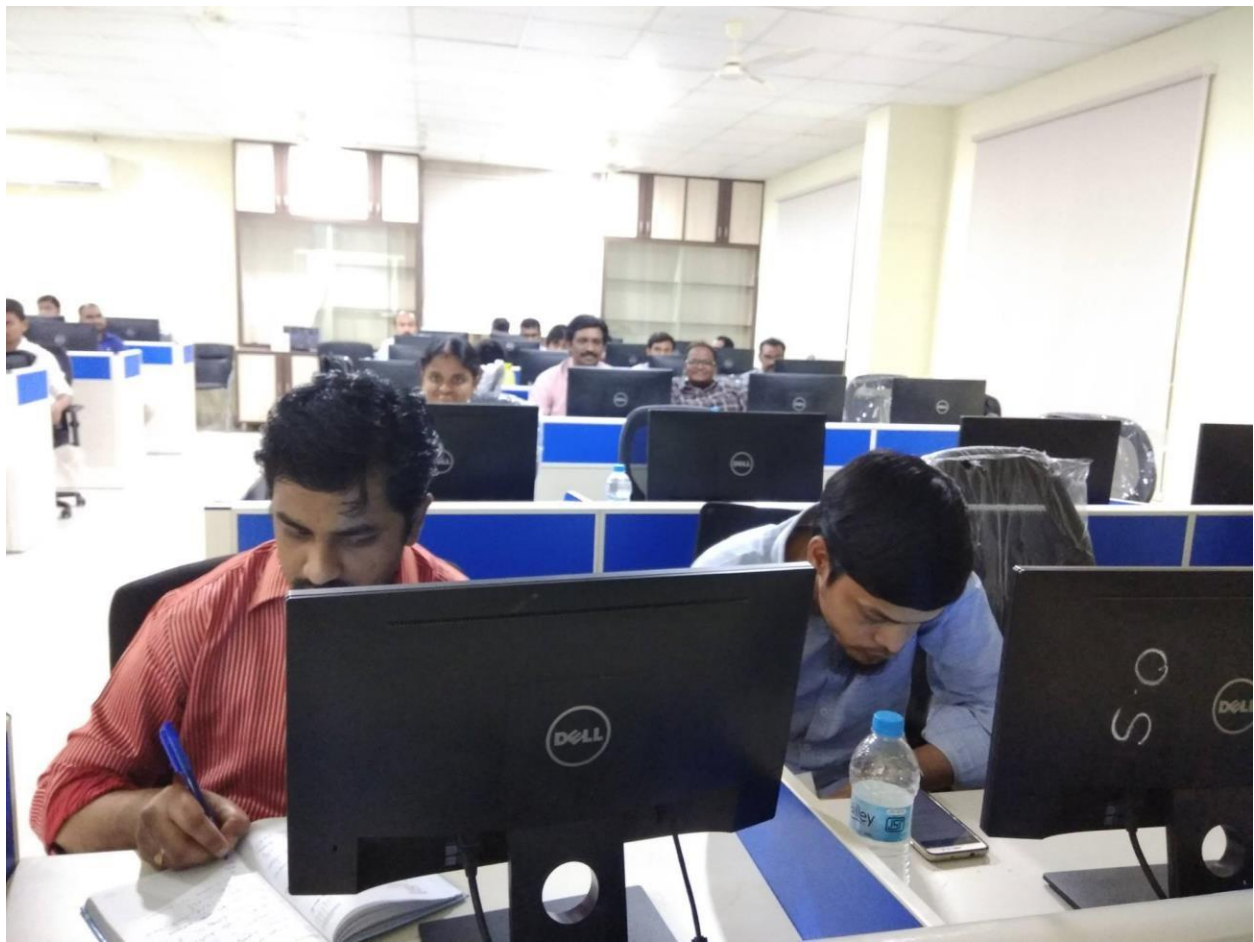
Inaugural session: 10:00 a.m., 21-06-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor



S. Anil Kumar
Coordinator

P. Babu
HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College
Secunderabad, Telangana State - 500 104



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Maisammaguda,
17.07.2018.**

Report
On
Workshop

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Name of the Workshop: Research Methodology in Engineering Education: Technical Paper Writing

Organizing Department: Department of CSE, MREC (A)

Location: Maisammaguda, Secunderabad

Dates: 16.07.2018-17.07.2018

Resource Person: Gunupudi Rajesh Kumar, Sr. Assistant Professor, VNR VJIET, Hyderabad

Coordinator: Mr. A. Arun Kumar, Asst. Professor, Dept. of CSE

Audience: Faculty Members

Topics Covered in the Workshop:

- How to Write a Technical Paper
- Differences between survey and review
- Plagiarism importance
- Validation & Evaluation
- Research Ethics

A very thankful to our principalsirfor his support to organizing the workshop successfully.

Also very thankful to our HoD for his support to organizing the workshop successfully.



Obula Reddy
Coordinator

[Signature]
HOD, CSE
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 062



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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Department of Computer Science and Engineering

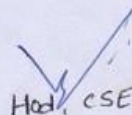
Report of STTP on "Machine Learning and its Application"


The Short-Term Training Programme (STTP) on "Machine Learning and its Application" was organized by Department of CSE, MREC (Autonomous), Secunderabad during 20th – 24th August, 2018. The schedule was planned in such a way that, from the basic of Machine Learning techniques and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Introduction to Machine Learning.
- Supervised Learning.
- Unsupervised Learning.
- Reinforcement learning.
- Sample programs using R tool.
- Hands on Experience using R tool.
- Machine Learning using Python.

Finally, this session was really an eye opener session for the beginners and very effective for the research scholars for further processing.


Hod, CSE


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



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Date: 14-07-2018

Report on

One week Workshop on “Amazon Web Services” from 09/07/2018 to 14/07/2018

The **One week Workshop on “Amazon Web Services”** was Organized by Department of CSE, MREC(Autonomous), Secunderabad from 09/07/2018 to 14/07/2018. The schedule was planned in such a way that, from the basics of AWS to developer tools most of the topics were covered in depth with the practical implementations.

The modules covered are

- Identifying the Access Management (IAM)
- Storage Features
- Computing Features
- Database
- DNS
- Networking Applications and
- Developer Tools

Finally, this one week program on AWS was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 09-07-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest


Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor




Coordinator


HoD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Chennarayana, Telangana State - 500 100.


Principal
Malla Reddy Engineering College
Malsamma, Dhulegaon,
(Post Via Kumbhal, Sec'bad-500100)



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(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Department of Computer Science and Engg.

Date: 29-06-2019

Report on IoTWith RASPBERRY Pi

The Wrkshop on IoT With RASPBERRY Piwas Organized by Department of CSE, MREC(Autonomous),Secunderabad from 24/06/2019 to 29/06/2019. The schedule was planned in such a way that, from the basics of IoT ,Rasberry Pi and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Introduction to IoT
- Connecting Rasberry Pi
- Acting on sensor data
- Coding

Finally, this sessionwas really an eye opener sessions for the beginners and very effective for the research scholars for further processing.



Inaugural session: 10:00 a.m., 24-06-2019.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor




Coordinator

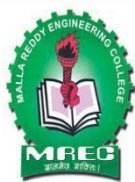


HOD-CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana-500100.



Principal
Malla Reddy Engineering College
Maisammaguda, Khairatabad,
(Post Via Kumpally), Sec'bad-500100



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Report on **Workshop on python program**

The **Workshop on python program** was organized by Department of CSE, MREC (Autonomous), Secunderabad from 15/2/2018 to 18/2/2018. The program covered all the basics and most of the topics were covered in depth as well

The modules covered are

- String manipulation.
- Lists in python with program.
- Tuples
- Dictionaries in python with program
- Sets in python
- Range, Functions, Variables in python
- Modules in python.
- Introduction to data analytics.
- Applications of data analytics
- Connectivity of machine learning & artificial intelligence with data science.
- Use of data science in real time applications.
- M-2 and P&S are the base subjects to understand Data science.
- Writing own programs on whether he/she is eligible for voting or not & program for calculator which does subtraction, multiplication, addition and operations etc.

Finally, this programme was a very good session for the faculty and research scholars for further processing.

Inaugural session: 10:00 a.m., 15-02-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor




Coordinator


HOD-CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana - 500100.


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulepaty,
(Post Va Kompally), Sec'bad-500100



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Report on Machine Learning using Python

The program “**Machine Learning using Python**” was organized by Department of CSE, MREC (Autonomous), Secunderabad on 5/1/2018 to 11/1/2018. The program covered all the basics on machine learning and most of the topics were covered in depth as well

Artificial Intelligence (AI), Machine Learning (ML) and Data Science (DS) are the pillars of the fourth industrial revolution. ML is an application of AI which allows computers to automatically learn from data without being explicitly programmed. Python has been designed with the provision for creating Machine Learning algorithms. Python is preferred as the best and robust platform for Machine Learning systems. Python also has numerous libraries for machine learning, data manipulation and analysis as well as a very active development community that continuously updates and creates new packages. It has been adopted by a wide variety of industries and applications including Data Science, Machine Learning, Data Analytics, Predictive Analytics, Business Intelligence and Web Analytics. This workshop aims to explore Python Programming right from installation, fundamentals to Machine Learning algorithms.

The workshop covered the basic algorithm that helps us to build and apply prediction functions with an emphasis on practical applications.

The outcomes of this workshop are:

- Understand the components of a Machine Learning algorithm.
- Apply Machine Learning tools to build and evaluate predictors
- How Machine Learning uses computer algorithms to search for patterns in data
- How to uncover hidden themes in large collections of documents using topic modeling
- How to prepare data, deal with missing data and create custom data analysis solutions for different industries
- Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming
- Familiarity with Python installation, syntax and design

Finally, this programme was a very good session for the faculty and research scholars for further processing.

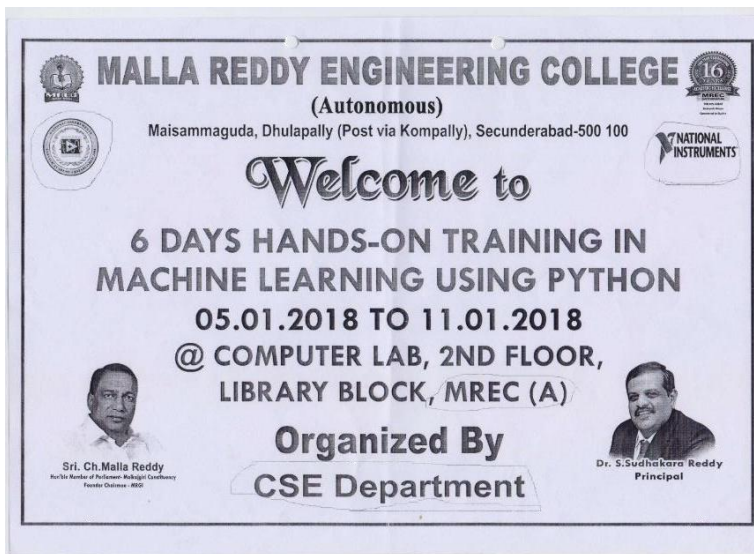
Inaugural session: 10:00 a.m., 05-01-2018.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest


Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor




Coordinator


HoD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
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Telangana State – 500100, www.mrec.ac.in

**A REPORT ON A ONE DAY WORKSHOP MATERIALS PHYSICS
FOR ENGINEERING STUDENTS**



Material physics is one of the largest and more active fields in physical science. Cutting edge research at the interface between physics and materials science leading to new insights and new applications at an unprecedented pace. Spanning at aspects of material physics including condensed matter physics, solid mechanics, photonics and optical properties covered in workshop. The workshop is designed to have useful relevance to the physics of materials covered in the graduate and undergraduate programs and also covers some topics at the research level.



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REPORT

Statistical tools for financial analysis

The department of MBA has organised one Day workshop on Statistical tools for financial analysis on 03-02-18 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.sasi kumar,Professor,CMR ,Hyderabad

Financial statement analysis is the process of analyzing a company's financial statements for decision-making purposes. Financial analysis is the process of evaluating businesses, projects, budgets and other finance-related entities to determine their performance and suitability. Typically, financial analysis is used to analyze whether an entity is stable, solvent, liquid or profitable enough to warrant a monetary investment. When looking at a specific company, a financial analyst conducts analysis by focusing on the income statement, balance sheet, and cash flow statement.

One of the most common ways to analyze financial data is to calculate ratios from the data to compare against those of other companies or against the company's own historical performance





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REPORT

Entrepreneurship development

The department of MBA has organised one day seminar on **Entrepreneurship development** on 27-01-18 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.K.Srinivasa Rao, professor ,BVRIT, Hyderabad

The students of the present generation look out to become their own bosses and aspire to invent new things. It is the responsibility of the education system and the parents to motivate young aspirants to become entrepreneurs. Entrepreneurship must be made a part of education just as science, mathematics, technology and language form a part of education .Entrepreneurship is a way of thinking and it is an approach that identifies new opportunities and solves problems. It is not constrained by the present and finds applicability in the future. It is vital for students to develop **entrepreneurial thinking skills** right from their schools.

The special qualities and strengths which make an entrepreneur different from a business person. With this as the main focus, we deem it necessary that you identify your strongest traits as you prepare to start your own business.





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ONE DAY SEMINAR ON GREEN BUILDING (2017-18)



The Department of CE has organized a one day seminar on “Green building” on 20th Sept 2017 for the benefit of B.Tech civil engineering students. The one day seminar attended by 72 students. The resource person is Dr S Suriya Prakash, Professor from IIT Hyderabad and Telangana.

Green building (also known as green construction or sustainable building) refers to both a structure and the application of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from planning to design, construction, operation, maintenance, renovation, and demolition. This requires close cooperation of the contractor, the architects, the engineers, and the client at all project stages. The Green Building practice expands and complements the classical building design concerns of economy, utility, durability, and comfort.



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ONE DAY SEMINAR ON INTELLIGENCE TRANSPORT SYSTEM (2017- 18)



The Department of CE has organized a one day seminar on “Pile Foundation” on 28th Nov 2017 for the benefit of B.Tech civil engineering students. The one day seminar attended by 72 students. The resource person is Dr K.V.R Ravi Shanker, Professor from NIT Warangal and Telangana.

An intelligent transportation system (ITS) is an advanced application which aims to provide innovative services relating to different modes of transport and traffic management and enable users to be better informed and make safer, more coordinated, and 'smarter' use of transport networks. Some of these technologies include calling for emergency services when an accident occurs, using cameras to enforce traffic laws or signs that mark speed limit changes depending on conditions.



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Telangana State – 500100, www.mrec.ac.in

ONE DAY SEMINAR ON PILE FOUNDATION (2017-18)



The Department of CE has organized a one day seminar on “Pile Foundation” on 29th Jan 2018 for the benefit of B.Tech civil engineering students. The one day seminar attended by 74 students. The resource person is Dr Hari Prasad Reddy P, Professor from NIT Warangal and Telangana.

A deep foundation is a type of foundation that transfers building loads to the earth farther down from the surface than a shallow foundation does to a subsurface layer or a range of depths. A pile or piling is a vertical structural element of a deep foundation, driven or drilled deep into the ground at the building site.

There are many reasons that a geotechnical engineer would recommend a deep foundation over a shallow foundation, such as for a skyscraper. Some of the common reasons are very large design loads, a poor soil at shallow depth, or site constraints like property lines.



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Report on Workshop

“Intellectual Property Rights & Innovations”

In many companies even now, 80% or more of their market value is attributable to intangibles, including IP. In some small companies, the only value is the intellectual property they own in an exciting new innovation that they have developed. IPR has truly become an ‘intellectual currency’ helping to promote economic growth, company competitiveness and innovation world-wide. The Workshop provided an insight on these innovations. The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Workshop on “Intellectual Property Rights & Innovations” on 19-07-2017.

Workshop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00a.m., 19-07-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Mr.G.Satyakumar, Associate Professor, VJIT, Moinabad -Chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC (A) - Guest of Honor

Total Participants: 45





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Report on Training Program

Intellectual Property Rights & Valuation - R.K.Dewan & CO. Team

The training program provided an introduction to an area of the law which even now remains a closed book to the majority of practicing lawyers. Bankers are not expected to have an intimate knowledge of the law relating to intellectual property, but they should have, because customers are likely to own intellectual property rights which offer a valuable source of security for lending transactions. The banker dealing with clients who own intellectual property should be able to distinguish patents and trademarks, and appreciate what copyright may protect.

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Training program on "Intellectual Property Rights & Valuation - R.K.Dewan & CO. Team" on 04-09-2017.

Inaugural session: 10:00a.m., 04-09-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

R.K.Dewan & CO. Team

Training program was attended by 41 participants.





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Report on Training Program

Graphical System Design in Engineering Education & Research

The five day Training Program on “Graphical System Design in Engineering Education & Research” has been successfully conducted by the Department of Electrical and Electronics Engineering of Malla Reddy Engineering College (Autonomous), Secunderabad during December 27-31, 2017.

Participants from different parts of the country actively participated in the training program and successfully completed the Program. Certificates were issued to the participants by the program evaluation committee. Attendance and response to test question were taken into consideration for evaluation by program evaluation committee (PEC). Positive feedback was received from all the participants.





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Telangana State – 500100, www.mrec.ac.in

GUEST LECTURE ON ADVANCES IN KINEMATICS OF MACHINES



The department of MECH has organized a guest lecture on Advances in Kinematics of Machines on 09/10/2017 at Seminar hall in MECH Department. The resource persons is Dr.T. hariprasad, Professor, Vidyanikethan Engineering College, Tirupati has been invited as resource person.



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Telangana State – 500100, www.mrec.ac.in

FACULTY DEVELOPMENT PROGRAM ON RECENT PRACTICES & DEVELOPMENTS IN REFRIGERATION & AIR-CONDITIONING



One week faculty development program on Essential Computational Techniques on Recent Practices & Developments in Refrigeration & Air-Conditioning from 13/11/2017 to 18/11/2017 at conference hall, Malla Reddy Engineering College (Autonomous). Refrigeration and air conditioning provide a broad range of benefits to society, including the preservation of food, comfort conditioning of living spaces and workplaces, temperature and humidity control of different industrial processes. Refrigerants are the basic working fluids in refrigeration, air conditioning and heat pumping systems.



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REPORT ON ONE WEEK WORKSHOP ON “LABVIEW Software”

The department of ECE has organized **One Week Workshop** on “**LABVIEW Software**” during **11th December 2017 to 15th December 2017** at LABVIEW Software lab in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons **Mr. Vijay Chander** and **Mr. Anish**, Software Engineers, **National Instruments**, Chennai.

The work shop aims to provide opportunities to III year students to enrich their knowledge in their field by using LABVIEW Software. The Programme also intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding, monitoring their program.

During the workshop, Introduction to programming principles, lab view environment, data types, variable and functions, simple design patterns and sub VI designs etc. was explained. Lab view platform is tightly integrated suite of industry standard hardware components and software tools for building all kinds of applications. Participants have got a chance to implement small programs like traffic light, talking tom and piano etc.

At an about 37 students of third year ECE have attended and interacted with the resource persons. This one week workshop was coordinated by Mr. G. Prasanna Kumar, Mrs. B. Kalpana, Mrs. P. Sowjanya and Mrs. Bharti Subhasini.





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Telangana State – 500100, www.mrec.ac.in

REPORT ON ONE WEEK WORKSHOP
ON
“LABVIEW Software”

The department of ECE has organized **One Week Workshop** on “**LABVIEW Software**” during **18th December 2017 to 22nd December 2017** at LABVIEW Software lab in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons **Mr. Vijay Chander** and **Mr. Anish**, Software Engineers, **National Instruments**, Chennai.

The work shop aims to provide opportunities to II year students to enrich their knowledge in their field by using LABVIEW Software. The Programme also intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding, monitoring their program.

During the workshop, Introduction to programming principles, lab view environment, data types, variable and functions, simple design patterns and sub VI designs etc. was explained. Lab view platform is tightly integrated suite of industry standard hardware components and software tools for building all kinds of applications. Participants have got a chance to implement small programs like traffic light, talking tom and piano etc.

At an about 40 students of third year ECE have attended and interacted with the resource persons. This one week workshop was coordinated by Mr. G. Prasanna Kumar, Mrs. B. Kalpana, Mrs. P. Sowjanya and Mrs. Bharti Subhasini.





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REPORT ON FIVE DAY WORKSHOP

ON

“SIGNAL PROCESSING AND IMAGE PROCESSING USING MATLAB”

The department of ECE has organized a **Five-day work shop** on “**signal processing and image processing using MATLAB**” during **21st and 25th August 2017**. The department has invited the resource persons G. Praveen, senior engineer from M/S Indo global services ltd.

During the Five day of workshop on **signal processing and image processing using MATLAB**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about MATLAB tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 155 students benefitted from this workshop. A good feedback was given by the participants. This five day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON THREE DAY WORKSHOP

ON

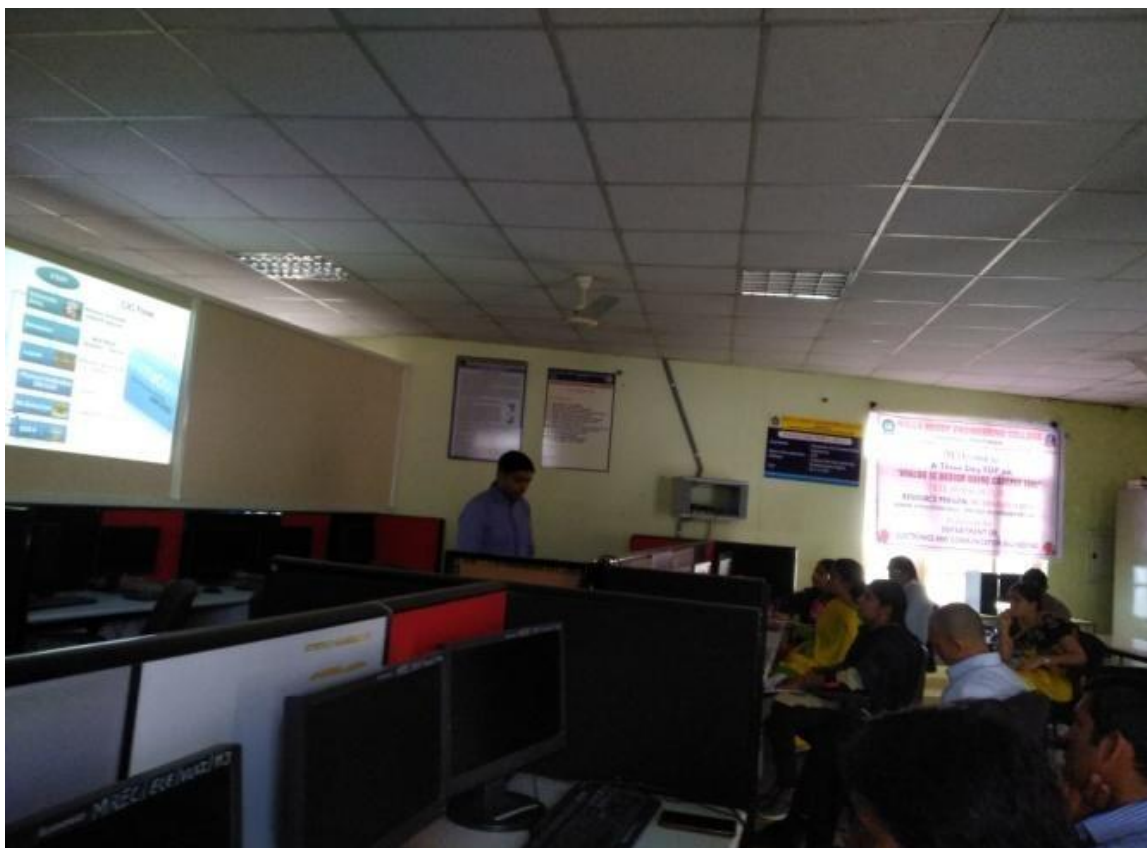
“Introduction to CADENCE Software”

The department of ECE has organized a **Three-day work shop** on “**Introduction to CADENCE software**” during **07th and 09th August 2017**. The department has invited the resource persons G. Praveen, senior engineer from **M/S Indo global services ltd.**

During the three day of workshop on **introduction to cadence software**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about cadence tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on design and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 140 students benefitted from this workshop. A good feedback was given by the participants. This three-day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





MALLA REDDY ENGINEERING COLLEGE

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Report on One-Day Certification Programme

On

QEEE Training programme on “Process Management”

Date: 07.12.2017

A One-Day of Certification Programme on **QEEE Training programme on “Process Management”** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 6th Dec 2017. The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

The modules covered are

- Introduction to Process Management
- Memory management
- Cache management
- Storage management
- File system management

Finally, this One-Day Certification programme on **QEEE Training programme on “Process Management”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 06-12-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. T. Raghunadh Reddy,Asso.Professor,VCE, Hyderabad



Dhonalakshmi
Coordinator

T. Prabhakar
HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College
Secunderabad, Telangana S.T. 500 006



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Report on One-Day Certification Programme

On

QEEE Training programme on “Information security”

Date: 21.03.2017.

A One-Day of Certification Programme on **QEEE Training programme on “Information Security”** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 20th Mar 2017. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Introduction to Information security
- Intellectual property rights
- Cyber Security Strategies
- Digital & Electronic Signatures

Finally, this One-Day Certification programme on **QEEE Training programme on “Information Security”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 20-03-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. P. V. SIVA KUMAR,Professor,VNRVJIT, Hyderabad



Sreenivas
Coordinator

T. Babakumar

HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Report on One week Certification Programme

On

Technical Training Program CISCO

A One week of Certification Programme on **Technical Training Program CISCO** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 18th Dec 2017 to 23rd Dec,2017. The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

Finally, this One week Certification programme on **Technical Training Program CISCO** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 18-12-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. N. Srinivas,Professor,VBIT, Hyderabad



Dhona lakshmi
Coordinator

T. Prabha Rao
HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College
Secunderabad, Telangana State, India



Ramkrishna

Principal

Malla Reddy Engineering College
Matsammaguda, Dhulepaty,
Dist. Nellore, Andhra Pradesh - 524 102



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Department of Computer Science and Engineering

Report of workshop on "DEEP LEARNING"

The ONE DAY WORKSHOP on "DEEP LEARNING" was organized by Department of CSE, MREC (Autonomous), Secunderabad on 6th Feb 2018. The schedule was planned in such a way that, from the create exposure in indentifying the various components of Deep learning and most of the topics were covered in Tools such as R cloud be taught and brief knowledge in analyzing AI applications.

Topics to be covered are

- Introduction to deep learing
- Supervised methods
- Unsupervised methods
- Reinforcement learing
- Sample programs using R tool
- Hands on experience using R tool
- Deep learning using python

Finally, this workshop was really an eye opener session for the beginners and very effective for the research scholars for further processing.

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Department of computer Science and Engineering

Report on Workshop on “Sales force essential for Business Specialist”

This Certification Programme on **Workshop on “Sales force essential for Business Specialist”** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 27/12/2017 to 30/12/2017. The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

The modules covered are

- Hands on to become an expert on a platform like Sales force, you need more than just articles and videos. During this workshop, you'll drill into the metrics that have true business impact and build out the exact reports leadership wants to see. Touch every switch and lever in Sales force and leave with confidence for that next board meeting.
- Best practices at Pocus; we live and breathe best practices. Learn how to incorporate hygiene and governance into your most powerful reports and dashboards. Create a scalable backbone for your reporting.

Finally, this Certification programme on **Workshop on “Sales force essential for Business Specialist”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 27-12-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. N. Rajender Reddy,Assistant Professor,VCE, Warangal



S. Ajay Kumar
Coordinator

A handwritten signature in blue ink, appearing to be 'S. Ajay Kumar', written over a circular stamp.

HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Bachchanpalle, Telangana State - 500 100.

Report on One week Workshop on Amendments in Coal Mine Regulations

Laws are always amended to include in its scope, when ever technology is taking new directions and whenever the societal needs change. Had law been not amended the control and regulation over the workings will not be there, resulting in chaos and lack of safety. Knowing about law is every body's responsibility. It will be very useful to students to know about the relevant laws of mining as they will be using them in their daily life as Mining Engineers. Not only lawyers others who are using the law and are affected by the changes in the law, should be known to the implementers. Tomorrow's mining engineers will have an advantage if they are made aware of the latest of the law. Recently Coal Mines Regulations have been amended and other laws relevant to mines are in the process of change.

In these regards it is felt necessary to updae the knowledge of the safety changes and amendments in mining legislation, keeping in the view a one week workshop from 18th to 24th September 2017 was arranged, to augment the regular teaching at Malla Reddy Engineering College (A).

Other teaching faculty from the nearby and group colleges, industry persons from coal and metal mining are invited for participated in this workshop. The list of attendees is enclosed. 80 students in all of which Malla reddy college students of III and IV years, attended in this program.

The resource persons were Mr. K. J. Amarnath Retired Chief General Manager, Singareni Collieries Company Limited and Mr. E. Jaya Kumar, Ex. Director of Mines Safety, Chaibasa Region, DGMS.

The Program was conducted in the MBA Auditorium on the III floor of the Mechanical Block. The session was audio visual presentations and question answer sessions.

The program was conducted in very lively manner. The feedback from participants was very good. They requested for conduction such programs often.


Mr.V. Narasimha Reddy

HoD, MINING


Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.





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Report on FDP on Recent Practices & Development in Mine Ventilation at Malla Reddy Engineering College on 16th-22nd November, 2017.

The FDP was organized for the benefit of the faculty of Malla Reddy Engineering College (A) with the intention of updating the technical and practical aspects of teaching Ventilation in mines.

Ventilation is a must which is natural or artificial for below ground mines. With the advent of large machines which increased the productivity, the consequent production of gases or other harmful effects increase in the same production. For the sustainable belowground production requires that the quantity and pressure of the ventilating air should be sufficient to make the harmful accumulations rendered harmless.

Dr. K V Shankar, from Department of Mining Engineering, Anna University, Chennai has over 30 years of experience in teaching research in the mine ventilation, Mr Srikant Vairagare had after brilliant career had become an entrepreneur which is test to the acumen he had accumulated. Mr. V. Lakshminarayan had variety of experience in various kinds of mines and in enforcing the legislative provisions including ventilation conditions. These resource persons brought their rich experience and expertise for the benefit of the faculty which goes long way in improving the educational standards.

The week long training sessions were attended by 26 delegates which included all the faculty of the Mining Department of MREC(A) and other engineering colleges in Hyderabad and Andhra Pradesh.

As per the feed back obtained the program is welcomed by the participants and the faculty said that the FDP helped them in framing future course in mining courses of ventilation. They wanted more such courses in future.

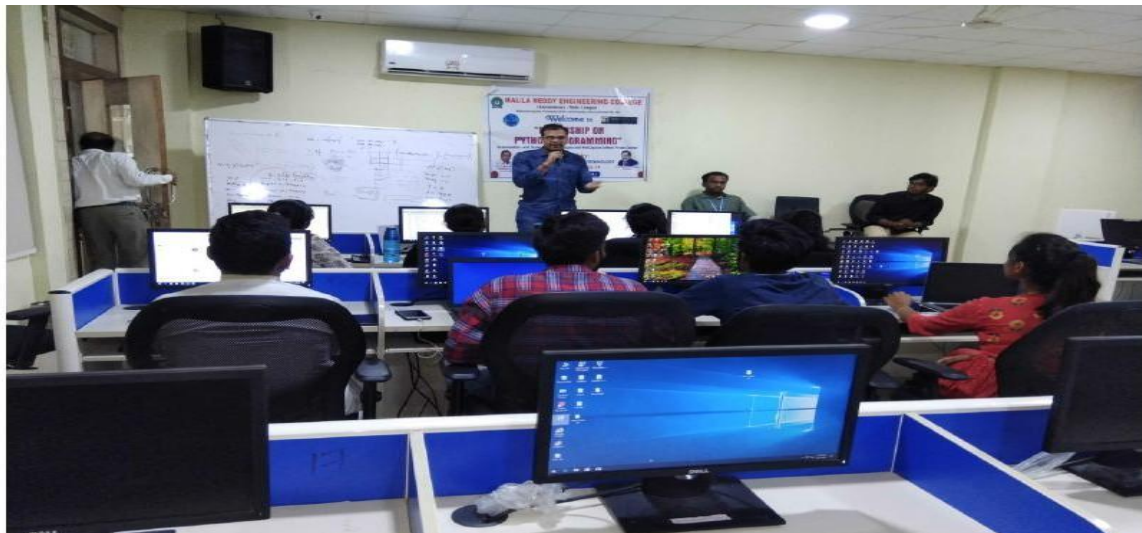
HoD Mining Engg. Dept

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100.



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WORKSHOP ON “CLOUD COMPUTING”



The Department of IT, MREC (A), organized a one day **workshop** on “**Cloud Computing**” on 09-09-2017 for IV Year Students. Resource Person for this Workshop is Dr. C. Krishna Mohan, Professor Department of Computer Science and Engineering, IIIT Hyderabad



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GUEST LECTURE ON LOGICAL REASONING REFRESHER PROGRAM



The Department of MECH has organized a guest Lecture on “Logical Reasoning Refresher Program” from 03/07/2017 to 08/07/2017 for the benefit of third year students. The resource person is Dr. M.V.Rmanamurthy, Professor from MGIT, Hyderabad.



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(Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100)

Report on One-Day Certification Programme On Amazon Web Services

Date: 21.03.2017

A One-Day of Certification Programme workshop on “**Amazon Web Services**” was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 20th Mar 2017. The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

The modules covered are:

- Amazon Web Services basics
- Amazon Computer Services
- Amazon Network Services
- Amazon storage Services
- Amazon Application Services
- Amazon Analytical Services

Finally, this One-Day Certification programme on “**Amazon Web Services**” was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 20-03-2017

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. Jyothi, Professor, SPMVV, Tirupathi

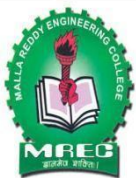
Dr. M. Madhubala, Professor, IARE, Hyderabad



P. Sanjiv
Coordinator

[Signature]
HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana-500004



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Report on A workshop on “Intellectual Property & its valuation methods for Universities”

Introduction

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Training program on “Indian patent Management System- IP Formulate” on 06-01-2017.

The Main aim of the conducting the workshop

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

Workshop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 06-01-2017.

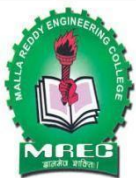
The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC(A)

M.Lal Singh, Associate Professor, MVSR, Nadargul, Hyderabad.-chief Guest

Mr.V.Venkatreddy, Dean Admissions, MREC(A) Guest of Honor





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Telangana State – 500100, www.mrec.ac.in

Report on A workshop on
“Patent Strategy: Filling a Provisional Patent Application”

Introduction

The department of EEE Malla reedy Engineering college (Autonomous) conducted a Training program on “Indian patent Management System- IP Formulate” on 06-03-2017.

The Main aim of the conducting the workshop

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

work shop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 06-03-2017.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC(A)

Dr. M.V.S Sudhakar, SNIST Hyderabad.-chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)Guest of Honor





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Telangana State – 500100, www.mrec.ac.in

WORKSHOP ON ANSYS 16 & CREO



The Department of MECH has organized a workshop on ANSYS 16 & CREO from 03/01/2017 to 10/01/2017 at Seminal Hall in MECH Department. The workshop attended by 43 participants. Creo Ansys Simulation: Engineering Simulation Software for design refinement and validation. ... Built specifically for designers and engineers, this easy-to-use, fully-featured, high-fidelity simulation tool leverages Ansys' capabilities for thermal, structural, and modal analyses.



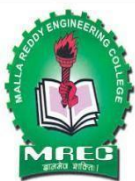
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GUEST LECTURE ON CLANGUAGE SKILL DEVELOPMENT



The department of MECH has organized a guest lecture on 'C' Language Skill Development from 19/06/2017 to 24/06/2017 at Seminar hall in MECH Department. The resource persons is Dr. Karuna G, associate Professor, from GRIET, Hyderabad has been invited as resource person.



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GUEST LECTURE ON QUANTITATIVE APTITUDE REFRESHER WORKSHOP



The department of MECH has organized a guest lecture on Quantitative Aptitude Refresher Workshop from 26/06/2017 to 01/07/2017 at Seminar hall in MECH Department. The resource persons is Dr. Vajha Srinivasa Kumar, Sr. Assistant Professor, JNTUH, Hyderabad has been invited as resource person.



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Telangana State – 500100, www.mrec.ac.in

REPORT ON THREE DAY WORKSHOP
ON
“Introduction to CADENCE Software”

The department of ECE has organized a **Three day work shop** on “**Introduction to CADENCE software**” during **17th and 19th August 2016**. The department has invited the resource persons N. Srinivas, senior engineer **from M/S FPGA ASIC Info Tech Pvt.Ltd.**

During the three day of workshop on **introduction to cadence software**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about cadence tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on design and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 135 students benefitted from this workshop. A good feedback was given by the participants. This three day workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP
ON
"C - PROGRAMMING"

The department of ECE has organized a **one week work shop** on **"C- Programming"** during **01st and 07th June 2017**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to c- programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about c software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 180 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

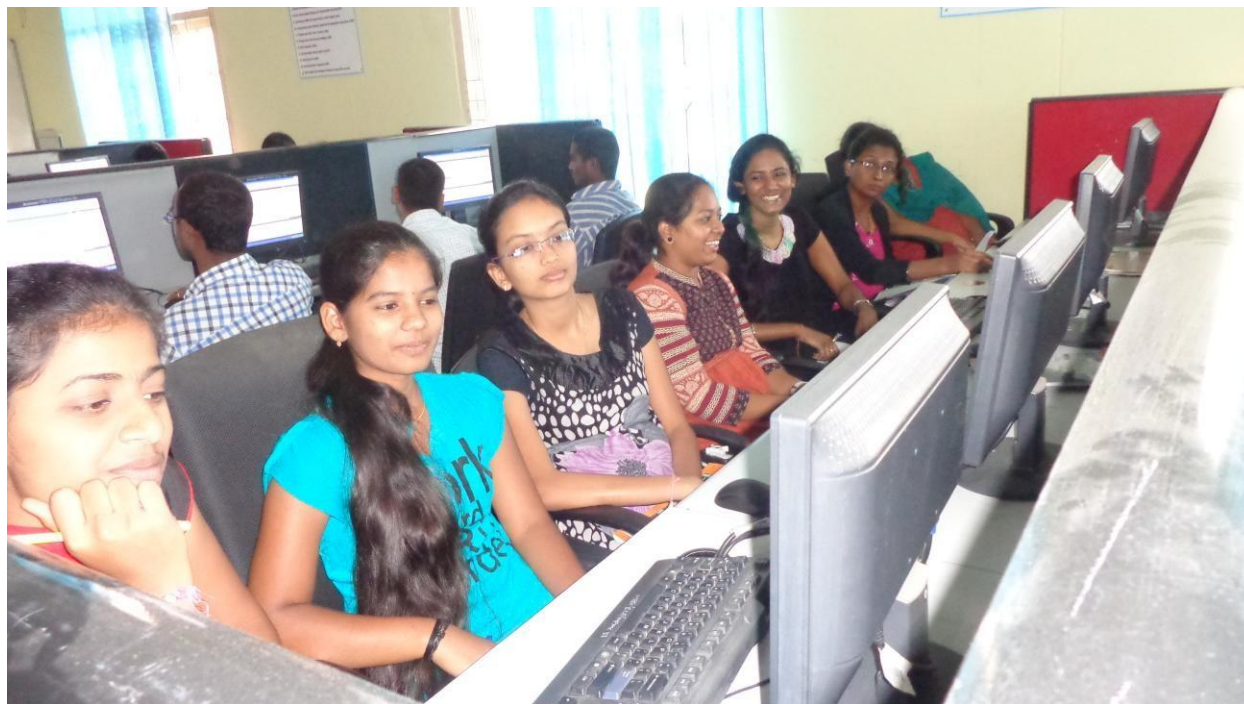
“JAVA PROGRAMMING”

The department of ECE has organized a **one week work shop** on “**Java Programming**” during **08th and 14th June 2017**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to java programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about Java software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 170 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Dr. A . Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“QUANTITATIVE APTITUDE”

The department of ECE has organized a One Week Workshop on “**Quantitative Aptitude**” from **15/06/2017 to 21/06/2017**. The department has invited the resource person Ashwin, software engineer, working four years for **TCS Pvt.Ltd, Hyderabad**.

During the one week of workshop, Introduction to aptitude, its methods, usage and shortcuts and examples and several problems were explained.

The workshop was mainly focused on IV-year B.Tech students. Around 190 students benefitted from this workshop. A good feedback was given by the participants. This one-week workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP ON

“VERBAL AND NON-VERBAL REASONING”

The department of ECE has organized a One Week Workshop on **“Verbal and Non-verbal Reasoning”** from **22/06/2017 to 28/06/2017**. The department has invited the resource person **Ashwin**, software engineer, working four years for **TCS pvt.ltd, Hyderabad**.

During the one week of workshop, Introduction to verbal and non-verbal, its reasoning, usage and communication and its importance speaking skills was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 185 students benefitted from this workshop. A good feedback was given by the participants. This one-week workshop was coordinated by **Dr. A. Pradeep Kumar** and **N.Pandu Ranga Reddy**.





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REPORT ON ONE WEEK WORKSHOP ON

“Embedded System Design”

The department of ECE has organized one week work shop on “Embedded System Design” during 13th to 17th February 2017 in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons from M/s VEM Technologies Pvt.Ltd., Hyderabad.

During the first day, introduction to embedded systems and programming of micro controllers have been discussed. During next two days, a detailed description of Keil software was given with a practical approach. The programming languages such as C and embedded C are discussed in detail.

On next day, sensors used in security systems have been demonstrated and hands on training have been given to all the students. During the last two days, a few projects have been demonstrated by the resource persons and personally carried out by each and every student. At an about 200 students of final year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Mr.G.Prasanna kumar and Mrs.Kalpana.





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A REPORT ON A ONE DAY WORKSHOP ON ENHANCING COMMUNICATION SKILLS



Enhancing Communication Skills is the process of understanding subtle regional differences in the way a language is spoken, and trimming the edges to make one's speech sound more natural like native speakers. Enhancing Communication Skills is important as it facilitates reaching out to a global audience and also in connoting with people irrespective of their regional accent. It improves communication by eliminating one of the major barriers in linguistic communication



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REPORT

Research methodology and statistical tools

The department of MBA has organised one day guest lecture on Research Methodology & statistical Tools on 30-12-17 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.Koteswar Rao, Professor, CMECET, Hyderabad.

Statistical methods involved in carrying out a **study** include planning, designing, collecting data, analysing, drawing meaningful interpretation and reporting of the **research** findings. The **statistical** analysis gives meaning to the meaningless numbers, thereby breathing life into a lifeless data. The results and inferences are precise only if proper statistical tests are used. This article will try to acquaint the reader with the basic research tools that are utilised while conducting various studies. The article covers a brief outline of the variables, an understanding of quantitative and qualitative variables and the measures of central tendency. An idea of the sample size estimation, power analysis and the statistical errors is given. Finally, there is a summary of parametric and non-parametric tests used for data analysis.





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REPORT

Mastering analytical using MS excel

The department of MBA has organised one day guest lecture on **Mastering analytical using MS excel on 04-03-2017** at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person G.Deepmala, Assistant professor ,SSIM, Hyderabad

This software is not only capable of doing basic data computations, but you can also perform data analysis using it. It is widely used for many purposes including the likes of financial modeling and business planning. It can become a good stepping stone for people who are new to the world of data analysis.

Even before learning R or Python, it is advisable to have knowledge of Excel. It does no harm to add Excel in your skill sets. Excel, with its wide range of functions, visualization, arrays empowers you to quickly generate insights from data which would be hard to see otherwise.

Excel will become even more popular for non-data scientists doing more work, more often, with data. This learning path extends the Master Excel for Data Science learning path, into VBA coding, data viz, and advanced interfacing between Excel and R.





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ONE DAY SEMINAR ON SOIL LIQUEFACTION (2016-17)



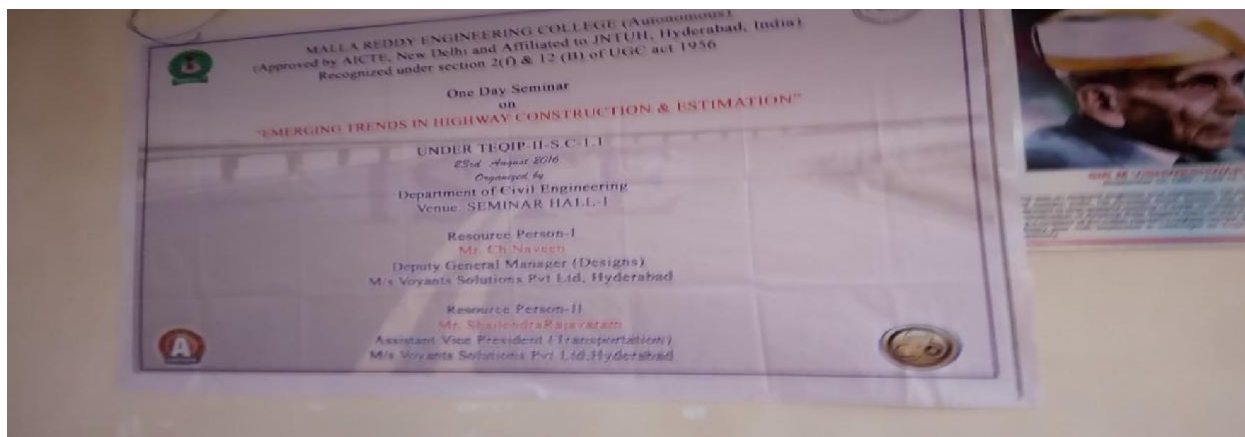
The Department of CE has organized a one day seminar on “Soil Liquefaction” on 30th July 2016 for the benefit of B.Tech civil engineering students. The one day seminar attended by 44 students. The resource person is Dr Anil Kumar Sahoo, Professor from Delhi Technical University, Delhi.

Soil liquefaction occurs when a saturated or partially saturated soil substantially loses strength and stiffness in response to an applied stress such as shaking during an earthquake or other sudden change in stress condition, in which material that is ordinarily a solid behaves like a liquid. In soil mechanics, the term "liquefied" was first used by Allen Hazen in reference to the 1918 failure of the Calaveras Dam in California. He described the mechanism of flow liquefaction of the embankment dam.



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ONE DAY SEMINAR ON ESTIMATION AND COSTING (2016-17)



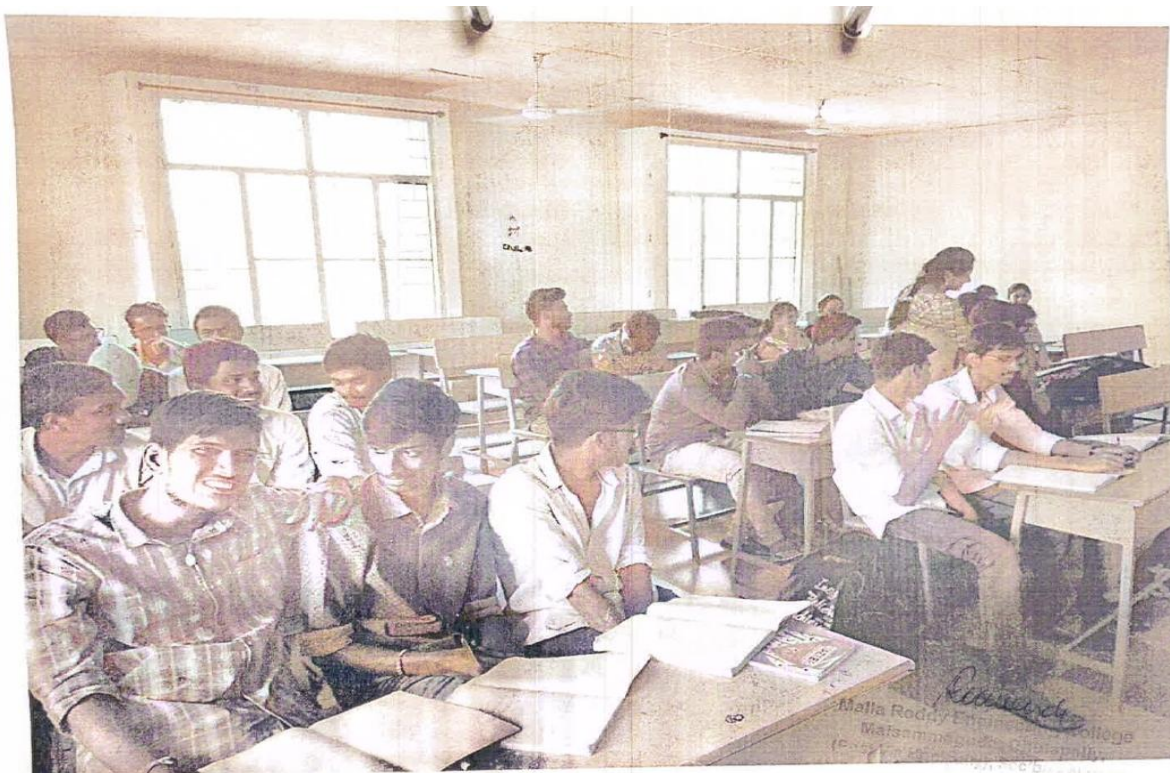
The Department of CE has organized a one day seminar on “Estimation and Costing” on 22nd Aug 2016 for the benefit of M.Tech civil engineering students. The one day seminar attended by 18 students. The resource person is Mr Ch. Naveen, Assistant Professor from Nagarjuna University, Guntur and Andhra Pradesh.

A building estimator or cost estimator is an individual that quantifies the materials, labor, and equipment needed to complete a construction project. Building cost estimating can concern diverse forms of construction from residential properties to hi-rise and civil works. Both estimators and quantity surveyors must have a background education in the construction industry.



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ONE DAY SEMINAR ON SOIL CEMENT (2016-17)



The Department of CE has organized a one day seminar on “Soil Cement” on 15th Feb 2017 for the benefit of B.Tech civil engineering students. The one day seminar attended by 42 students. The resource person is Dr D.V. Prasad Rao, Associate Professor from S V University, Tirupathi and Andhra Pradesh.

Soil cement is a construction material, a mix of pulverized natural soil with small amount of Portland cement and water, usually processed in a tumble, compacted to high density. Hard, semi-rigid durable material is formed by hydration of the cement particles.

Soil cement is frequently used as a construction material for pipe bedding, slope protection, and road construction as a subbase layer reinforcing and protecting the subgrade. It has good compressive and shear strength, but is brittle and has low tensile strength, so it is prone to forming cracks.



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Report on Training Program

“Management innovation and Intellectual Rights-IP Formulate”

Inventions are the bedrock of innovation. An invention is a new solution to a technical problem and can be protected through patents. Patents protect the interests of inventors whose technologies are truly groundbreaking and commercially successful, by ensuring that an inventor can control the commercial use of their invention. This training program provided an insight on intellectual rights. The training program focused on several management innovations of the present day.

The department of EEE Malla Reddy Engineering college (Autonomous) conducted a Training program on “Management innovation and Intellectual Rights-IP Formulate” on 12-08-2016.

Training program was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00a.m., 12-08-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Dolly Dayana. M, Professor & HOD, SMEC - Chief Guest

Mr.V.Venkat Reddy , Dean Admissions, MREC(A)- Guest of Honor





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Report on Seminar

“Intellectual Property Rights & Innovations”

Intellectual property rights (IPR)—the copyrights, patents, trademarks and similar rights upon which the lion’s share of creative and innovative products and services rely—have a vital role in growing the economies of developed and developing countries all over the world, in spurring innovation, in giving large and small firms a range of tools to help drive their success, and in benefitting consumers and society through a continuous stream of innovative, competitive products and services and an expansion of society’s overall state of knowledge. This seminar provided an insight on IPR. Seminar was attended by participants from various engineering colleges and P.G. students.

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Seminar on “Intellectual Property Rights & Innovations” on 14-10-2016.

Inaugural session: 10:00a.m., 14-10-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Mr.G.Satyakumar, Associate Professor, VJIT, Moinabad -Chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)- Guest of Honor





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Report on Training Program

Innovation Leadership & management - R.K.Dewan & CO. Team

Management consists of controlling a group or a set of entities to accomplish a goal. Leadership refers to an individual's ability to influence, motivate, and enable others to contribute toward organizational success. Influence and inspiration separate leaders from managers, not power and control. This training program provides the directions to achieve these goals.

The department of EEE Malla Reddy Engineering college (Autonomous) conducted a Training program on "Innovation Leadership & management - R.K.Dewan & CO. Team" on 08-12-2016.

Training Program was attended by participants from various engineering colleges and our students.

Inaugural session: 10:00a.m., 08-12-2016.

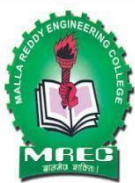
The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

R.K.Dewan & CO. Team,

Total participants: 48





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GUEST LECTURE ON ROBOTICS AND FACTORY AUTOMATION



The department of MECH has organized a guest lecture on Robotics and Factory Automation on 07/11/2016 at Seminar hall in MECH Department. The resource persons is Mr. P. Vishnu Chithamacharyulu, Project Executive, Involute Automation Pvt.Ltd, Hyderabad has been invited as resource person.



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REPORT ON TWO DAY WORKSHOP

ON

“MAKE OBJECTS ,GADGETS and ROBOTS”

The department of ECE has organized a Two Day Workshop on **“MAKE OBJECTS ,GADGETS and ROBOTS”** from 30/08/2016 to 1/09/2016. The department has invited the resource person M.Kishore Verma basic concepts of electronics , microcontrollers and skills required to design and implement an embedded project. The lecture also discussed about the keel software and its usage in embedded applications with authenticated explanations and real time examples. The workshop given a lot of significance to description of 8251 processor board, its pin configuration due to its immense importance in embedded system programming. The workshop discussed about implementation of real time embedded systems such as small moving objects , line follower , Bluetooth controlled car , Traffic signals LED displays and Mobile phone controlled car

The workshop was mainly focused on III-Year B.Tech students . Around 116 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Dr A.Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“Electronic Circuit Analysis & Design via Software”

The department of ECE has organized one week work shop on “Electronic Circuit Analysis & Design via Software” during 12 th to 16 th December 2016 in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons from M/s Trident Tech Labs Pvt.Ltd., Hyderabad.

During the first day, introduction of BJT circuit analysis, Q-point analysis have been discussed. During next two days, a detailed description of design aspects of an amplifier, power amplifiers and circuit simulation software was given with a practical approach and introduction to MOS/PMOS/NMOS/CMOS/Bi CMOS technologies have been discussed in detail.

On next days, introduction to VLSI circuit design process, layout and stick diagrams, gate level design, FPGA/CPLD design aspects and back end tool concepts have been explained in detail. At an about 200 students of third year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Dr.G.S.K.Gayatri devi and Mr.P.Rajendra Prasad.





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REPORT ON THREE DAY WORKSHOP ON

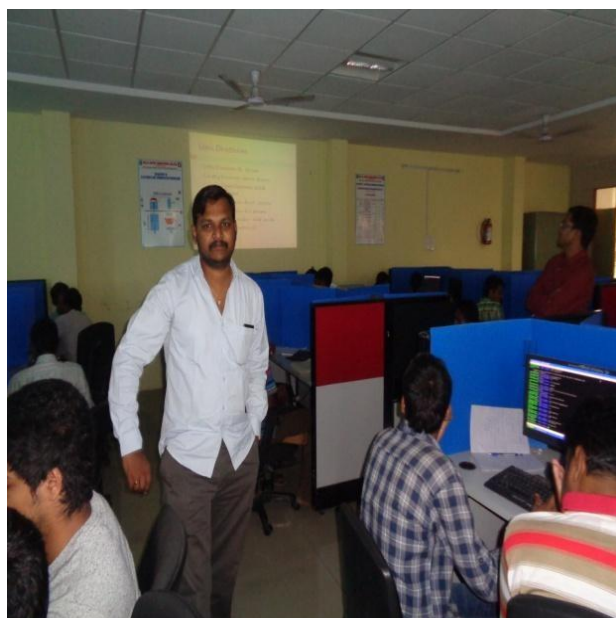
“SIGNAL PROCESSING AND IMAGE PROCESSING USING MATLAB”

The department of ECE has organized a **Three day work shop** on “**signal processing and image processing using MATLAB**” during **19th to 21st September 2016**. The department has invited the resource persons G. Praveen, senior engineer from **M/S Indo global services ltd.**

During the Five day of workshop on **signal processing and image processing using MATLAB**, its data types, usage and syntax and its importance in embedded applications was explained. They explained about MATLAB tool and how to install different libraries.

During Second day of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-year B.Tech students. Around 145 students benefitted from this workshop. A good feedback was given by the participants. This three day workshop was coordinated by Dr. A. Pradeep Kumar and N. Pandu Ranga Reddy.





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Department of computer Science and Engineering

Report on Workshop on python program

Date: 22.09.2016

The **One Week workshop on “HTML5 and Python Programming”** was organized by Department of CSE, MREC (Autonomous), Secunderabad from 16/09/2016 to 21/09/2016. The program covered all the basics and most of the topics were covered in depth as well.

The modules covered are

- String manipulation.
- Lists in python with program.
- Tuples
- Dictionaries in python with program
- Sets in python
- Range, Functions, Variables in python
- Modules in python.
- Writing own programs on whether he/she is eligible for voting or not & program for calculator which does subtraction, multiplication, addition and operations etc.

Finally, this programme was a very good session for the faculty and research scholars for further processing.

Inaugural session: 10:00 a.m., 16-09-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr.V.L.N.Somayajulu, Professor,NIT Warangal



P. Srinivas.
Coordinator


(HOD/CSE)
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100

Report on One week Workshop on Recent trends in cloud computing and big data analytics

Date: 18.07.2016.

A One -week of Certification Programme on **Workshop On “Recent Trends in Cloud Computing and Big Data Analytics”** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 11th July,2016 to 16th july,2016 . The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

The modules covered are

- Cloud Computing & Machine learning basics
- Data Analysis in Excel
- Analytics Problem Solving
- Data Analysis using SQL
- Python for Data Science
- Exploratory Data Analysis

Finally, this One –week Certification programme on **Workshop on “Recent trends in cloud computing and big data analytics”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 11-07-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr.R.B.V Subramanyam, Professor,NIT Warangal



S. Ajay Kumar
Coordinator


(HOD-CSE)

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Report on One day Workshop on "Internet of Things"

Date: 24.08.2016.

A One -Day of Certification Programme on **Workshop on "Internet of Things"** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 23th Aug,2016. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- IoT – Technologies and protocols
- IoT - Manufacturing Applications
- IoT – Education Applications

Finally, this One –Day Certification programme on **Workshop on "Internet of Things"** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 23-08-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. Jyothi,Professor,SPMVV, Tirupathi



S. Ajay Kumar
Coordinator

HOD, CSE
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy College of Engineering
Secunderabad, Telangana - 500 100.



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Report on One day Workshop on “Web Security”

Date: 13.09.2016

A One -Day of Certification Programme on **One day Workshop on “Web Security”** was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 13th Sep,2016. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Web Security learning basics
- Web Processes
- Applications

Finally, this One –Day Certification programme on **One day Workshop on “Web Security”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 13-09-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. Jyothi,Professor,SPMVV, Tirupathi



S. Ajay Kumar
Coordinator


HOD, CSE
Head of the Department
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Report on Workshop on Android Application Development

Date:20.10.2016.

A One -Day of Certification Programme on **Workshop on Android Application Development** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 19th Oct,2016 to 20th Oct,2016. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Android application development basics
- Applications
- Android user interfaces

Finally, this Two –Days Certification programme on **Two Days Workshop on Android Application Development** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 19-10-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. Jyothi,Professor,SPMVV, Tirupathi



S. Ajay Kumar
Coordinator


HOD, CSE

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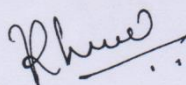
Department of Computer Science and Engineering

Pedagogy training on sharpening teaching Competence of Faculty (27th Feb 2015 to 1st March 2015)

Report Submitted to TEQIP

1. The department of Computer Science and Engineering has conducted a three day Faculty Development Programme (FDP) on "Pedagogy training on sharpening teaching Competence of Faculty" from 27-02-2015 to 01-03-2015. The programme is coordinated by Dr U Ravi Babu, Professor of CSE department
2. The resource persons for the training session are
 - a) Dr Anil Kumar Sexana, Former Prof and consultant for S.V.P National Police Academy, and BOG member (UGC nominee)
 - b) Dr. P Satyanarayana, former AGM, BHEL.Overall there were six sessions in Pedagogy program. The topics covered by the above resource persons are **18 Tips for Killer Presentations, TOP 10 Delivery Tips for teaching, Teaching Plan for deliver a course and class wise, How to improve the teaching materials and how to improve teaching learning activities and methodologies, How to maintain Lecture Evaluation Form, The total number of participants are 32.**
3. The programme is aimed for the benefit of the faculty to sharpening teaching competence of faculty . Mr. Dr Anil Kumar Sexana, Former Prof and consultant for S.V.P National Police Academy Hyderabad was the chief guest for the inaugural function on 27-02-2015. Dr. S. Sudhakara Reddy, Principal of MREC, Dr. Madan Mohan, Director, MRGI, Mr. P Santosh Reddy, Dean Administration, Dr M Mastan HOD , Department of CSE and other senior faculty were also present at the function.
4. The feedback about the programme and its content was very good.
5. The programme was concluded on 1st March, 2015. In the valedictory function, suggestions were taken by the organizing committee from participants for improvement in future programs. Finally all the participants expressed their satisfaction about the programme. Participation certificates were distributed to the participants by Dr. S. Sudhakara Reddy, Principal of MREC, Dr. Anil Kumar Sexana, Dr P Satyanarayana, and former AGM, BHEL, Dr R S Reddy, TEQIP coordinator and Dr M Mastan HOD, Department of CSE. Vote of thanks was proposed by Mr .R S Murali Nath, Associate Professor.
6. The total expenditure incurred is Rs 51695/-

Overall the programme was quite successful and we are very much thankful to the TEQIP II sub component 1.1, SPFU, Andhra Pradesh, NPIU, New Delhi and our management for their kind gesture in supporting the programme.



Signature of the Programme Co-ordinator



Signature of the TEQIP Co-coordinator



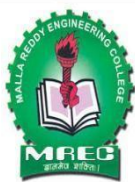
Signature of the Principal





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Principal
Malla Reddy Engineering College
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GUEST LECTURE ON “BIG DATA, IOT AND AI”



The Department of IT, MREC (A), organized a one day workshop on **“BIG DATA, IOT AND AI”** on 28-08-2016 for III and IV Year Students. Resource Person for this Guest Lecture is Satya Kondapalli Software Professional and Founder of AmbariCloud.

Report on One Week Workshop on BLAST PREDICTION & OPTIMIZATION

This is age of industrialization and all industrial activities have received boost in economy efficiency and feasibility by Machinery. In mining Machines are becoming big, smart, operated remotely or with pre programming.

Underground specialized mining equipment such as trucks, loaders, diggers etc. are used to excavate the material and are normally hauled to the surface with skips or lifts for further processing. Drilling is normally required to place explosive charges to liberate the minerals from the overburden material.

Largest of the Machines in the world are bucket wheel excavator. The mining industry is overflowing with radical equipment. Companies like Caterpillar and Atlas Copco have launched some of the most technologically-advanced machinery in recent years and the pace isn't slowing down. Equipment is becoming smarter, faster, and safer, helping mining companies improve productivity while keeping operating costs at a minimum.

We spoke with the industry's leading equipment manufacturers and the engineers behind their newest inventions to find out what the mining industry can expect in the future.



With the new innovations in underground mining equipment, the future is looking quite abundant for miners looking to maximize profits and productivity.

A Seminar was conducted on 18th - 25th September 2015 on the subject.

The speakers who addressed the gathering were Mr. B. Veera Reddy, GM Adriyala Project, SCCL, Mr. Ch Veera Reddy, GM Bellampalli, Mr. R Sharma, Blasting consultant, Hyderabad, Mr. S. N. Shiva Kumar, Mr. Veda Kumar, Mine Consultant and Mr V. Shrikanth have given week long lectures so the students got awareness about all parameters that concern Mining Machinery.

The presentation by both the speakers was very lively. Students welcomed the topics and gave a feed back that more such lectures should be arranged, in future.

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HOD Mining Department

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REPORT ON FACULTY DEVELOPMENT PROGRAM ON SLOPE STABILITY ANALYSIS

Between 19th till 24th November 2016 at Mini Auditorium of

MALLA REDDY ENGINEERING COLLEGE

- The program was inaugurated at 10 am on 19th November. The Program was inaugurated in the presence of Senior Mining Engineers from Industry and Principal of the Institute Dr. Sudhakar Reddy and Shri V. Narsimha Reddy the Head of the Department of the Mining Engineering Department.
- In the inaugural session, after Jyothi Prajwalana and Prayer song Prof S. Sudhakara Reddy, Principal MREC(A) welcomed the guests, resource persons and emphasized about importance of mining in industrial growth and congratulated Department of mining for conducting such program in MREC(A).
- Later guests have released the Souvenir containing the messages and papers/presentations of invited speakers. Shri Narsimha Reddy explained the importance of the topic of the FDP and its relevance to the current field mining practice in general and necessity of learning and mastering the topic, which is currently in focus of the entire Mining community.
- Later Key note address was given by chief guest Sri BRV Susheel Kumar, Director of mines and Geology, Government of Telangana, who has presented the importance of Opencast mining being the contributor of the 95% of minerals and Coal in the country. The biggest challenge the ever deepening opencast mining is facing is the maintaining the sides of the benches in stable conditions to protect the safety of men and machinery deployed at the bottom and the stability of the material dumped on the ground from sliding. He explained that the problem is becoming acute due to shortage space for dumping and the tendency to cut cost in not forming benches at greater slope angle.
- The theme for the workshop was presented by the Coordinator Dr. M.S.Venkataramayya who thanked SCCL and MEAI Hyderabad chapter for sponsoring the workshop Prof.N.S.R.Krishna Prasad, Hod Mining thanked MREC management and guests for attending programme, delivered vote of thanks .Sri Chandrahas , Asst Prof, MIE conducted the program including introduction of guests etc.
- The program was organized throughout the day with two sessions with lunch break. The speakers were given one and half hour and there were interactive question answer sessions after each talk. The program was organized for 5 days in the form of talks and one days as field visit. A compilation of the talks were organized into a form of book and also was distributed as pdf version to all the participants and students of mining engineering and a copy was placed in the library.

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(Post Via Kompally), Sec'bad-500100.

N. Narsimha Reddy
HOD Mining Department



- Coordinator and convener felicitated the resource persons and guest with the shawl and memento after each talk.
- In all 26 participants all the faculty from the Mining Engineering Department, some of the faculty from Civil Engineering branch of the Malla Reddy Engineering College, Faculty of mining from JBIT, Hyderabad, Godavary Institute of Technology, Rajahmundry, Faculty from the JNTUH, Manthani attended the course and the event was a grand success.

Malla Reddy

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- After positive feedback from the participants, certificates of Participation were distributed to all participants by Sri Md.Fassiuddin, Former president MEAI, in the presence of Sri N.S.R.Krishna Prasad, Hod-MIE , Prof M S Venkatramayya, Sri B.S.P. Raju VP Sagar cements , Prof D.Chandrasekhar. Photographs of sessions and participants are enclosed

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HOD Mining Department



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GUEST LECTURE ON LOGICAL REASONING REFRESHER PROGRAM



The Department of MECH has organized a guest Lecture on “Logical Reasoning Refresher Program” from 04/07/2016 to 09/07/2016 for the benefit of Second year students. The resource person is Dr. S. Raji Reddy, Professor from MGIT, Hyderabad.



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WORKSHOP ON REVIT SOFTWARE (2015-16)



The Department of CE has organized In Collaboration with ARK Infosolutions Pvt.ltd. a Six days Work shop on “Revit Software” on 22nd to 27th Feb 2016 for the benefit of B.Tech and M.Tech civil engineering students. The Workshop attended by 46 students. The resource persons ARK Solutions teaching staff.

Autodesk Revit is a building information modelling software for architects, landscape architects, structural engineers, mechanical, electrical, and plumbing (MEP) engineers, designers and contractors. The original software was developed by Charles River Software, founded in 1997, renamed Revit Technology Corporation in 2000, and acquired by Autodesk in 2002. The software allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database. Revit is 4D building information modeling capable with tools to plan and track various stages in the building's lifecycle, from concept to construction and later maintenance and/or demolition.



MALLA REDDY ENGINEERING COLLEGE

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Report on Workshop on “Database systems and data mining”

Date: 22.05.2016.

A One -Day of Certification Programme on **workshop on “Data base systems and data mining”** was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 21th May,2016. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- DB system and data mining learning basics
- Data mining Useful Resources
- Applications

Finally, this One –Day Certification programme on **workshop on “Data base systems and data mining”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 21-05-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr.B. Sankara Babu,Professor, GRIET , Bachupally, Hyderabad



S. Ajay Kumar
Coordinator


HOD, CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.



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Department of Computer Science and Engineering

Report of Two Days Workshop on "IBM Bluemix Cloud Training"

The two days workshop on "IBM Bluemix Cloud Training" was organized by Department of CSE, MREC (Autonomous), Secunderabad during 12th-13th February, 2016. The schedule was planned in such a way that, from the basic of IBM Bluemix Cloud Training and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Advantages of Blue-mix
- Advantages of Cloud Computing
- Mixing Blue mix to Cloud Computing
- Focus On Innovation
- Mini Project on IBM Blue Mix Cloud

Finally, this IBM Bluemix Cloud Training was really an eye opener session for the beginners and very effective for the research scholars for further processing.

Head of the Dept
Dept. of CSE
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Department of Computer Science and Engineering


Report of Two Week Certification Programme on "Python"

The Two Week Certification programme on "Python" was organized by Department of CSE, MREC (Autonomous), Secunderabad during 1-14th February, 2016. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

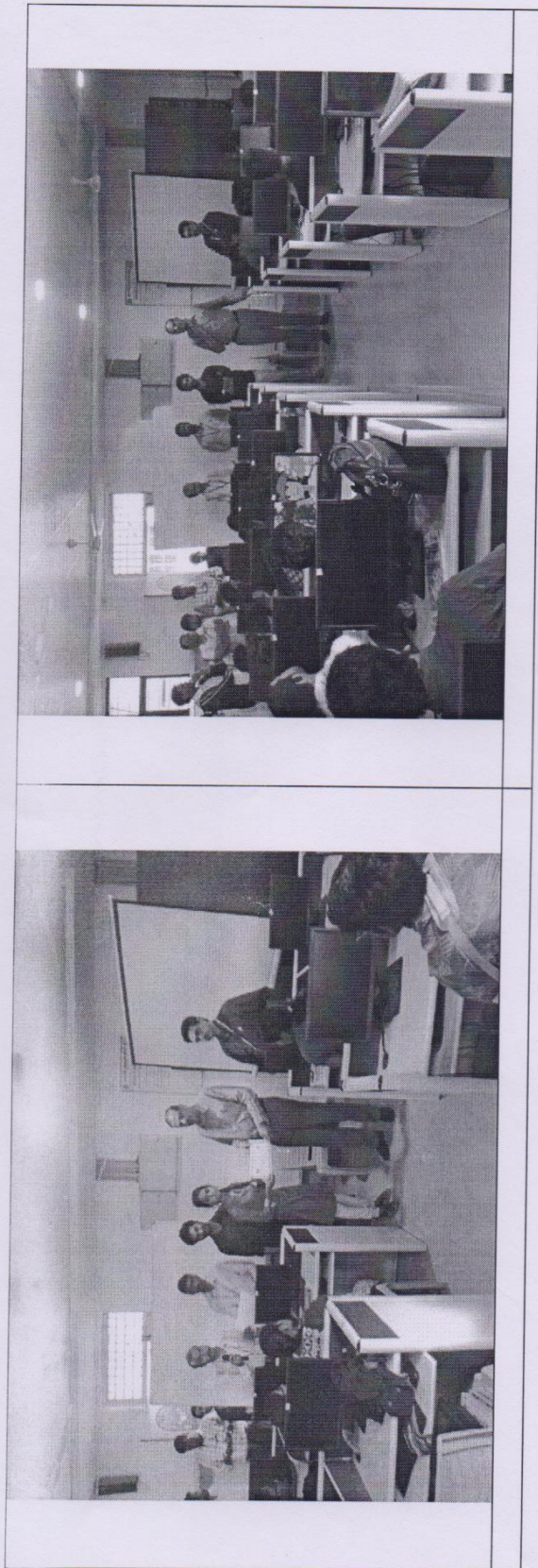
- Introduction to python
- Function and Files
- OOP
- Introduction to Machine Learning
- Classification and Clustering
- projects

Finally, this Two Week Certification programme on "Python" was really an eye opener session for the beginners and very effective for the research scholars for further processing.


Head of the Dept
Dept. Of CSE
Malla Reddy Engg. College

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Maisammaguda, Dhulapally (post & via Kompally), Secunderabad-500 100.
Department of Computer Science and Engineering

Photo sessions of Workshop "Hands-on Training - "A Two Week Python Certification Programme on " from 01st Feb to 14th Feb, 2016





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Report on A

“Patenting System In India and Commercialization”

Introduction

The department of EEE Malla Reddy Engineering College (Autonomous) conducted a Training program on “Patenting System In India and Commercialization” on 22-02-2016.

The main aim of the conducting the workshop

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

work shop was attended by participants from various engineering colleges and P.G. students.

Inaugural session : 10:00 am 22-02-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S. Sudhakara Reddy, Principal, MREC (A)

Mr.G. Pardhasardi, Professor, Dean Academics,GNEC, Ibraheempatnam-chief Guest

Mr.V.Venkatreddy , Dean Admissions, MREC(A)Guest of Honor



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Report on A
" Indian Patent Management System – IP Formulate "

Introduction

The department of EEE Malla reddy Engineering College (Autonomous) conducted a Training program on “Indian patent Management System- IP Formulate” on 04-01-2016.

The Main aim of the conducting the workshop

1. To improve the knowledge of patents and its uses for Academicians.
2. How to apply patents and get it.
3. To improve the skills for research scholars and students.

work shop was attended by participants from various engineering colleges and P.G. students.

Inaugural session: 10:00 am 04-01-2016.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC(A)

M.Lal Singh, Associate Professor, MVSR, Nadargul, Hyderabad. -chief Guest

Mr.V.Venkat reddy, Dean Admissions, MREC (A) Guest of Honor





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WORKSHOP ON HANDS ON PRACTICING ON 3D PRINTING



The Department of MECH has organized a workshop on Hands on Practicing on 3D printing from 01/06/2016 to 02/06/2016 at Seminal Hall in MECH Department. The workshop attended by 31 participants. 3D printing uses computer-aided design (CAD) to create three-dimensional objects through a layering method. Sometimes referred to as additive manufacturing, 3D printing involves layering materials, like plastics, composites or bio-materials to create objects that range in shape, size, rigidity and color.



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FACULTY DEVELOPMENT PROGRAM DOE & SIX SIGMA CONCEPTS



One week faculty development program on DOE & Six Sigma Concepts the Department of MECH organized from 16/06/2016 to 18/06/2016 at conference hall, Malla Reddy Engineering College (Autonomous). Design of Experiments (DOE) is a Six Sigma tool that helps project teams determine the effects that the inputs of a process have on the final product. DOE is a mathematical methodology used to effectively plan and conduct scientific studies that change input variables (X) together to reveal their effect on a given response or the output variable (Y).



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GUEST LECTURE ON APPLICATION OF FEA IN MANUFACTURING

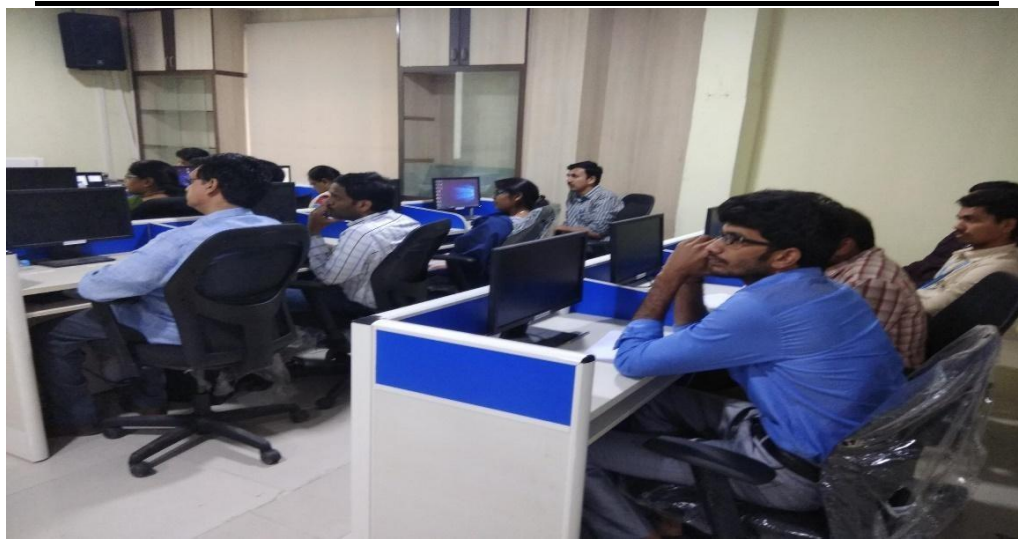


The Department of MECH has organized a guest Lecture on “Application of FEA in Manufacturing” on 09/03/2016 for the benefit of fourth year students. The resource person is Dr.A. Tamilarasam, Associate Professor from SCSVMV University, kanchipuram, Tamilnadu



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GUEST LECTURE ON CLANGUAGE SKILL DEVELOPMENT



The department of MECH has organized a guest lecture on 'C' Language Skill Development from 20/06/2016 to 25/06/2016 at Seminar hall in MECH Department. The resource persons is Mr.B.Anjaneya Reddy, Senior Software Engineer, HCL Technologies, Bangalore.



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GUEST LECTURE ON QUANTITATIVE APTITUDE REFRESHER PROGRAM



The department of MECH has organized a guest lecture on Quantitative Aptitude Refresher Program from 27/06/2016 to 02/07/2016 at Seminar hall in MECH Department. The resource person is Dr. Hemanth Kumar Nashine, Professor, VIT, Vellore has been invited as resource person.



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***REPORT ON TWO DAY WORKSHOP
ON***

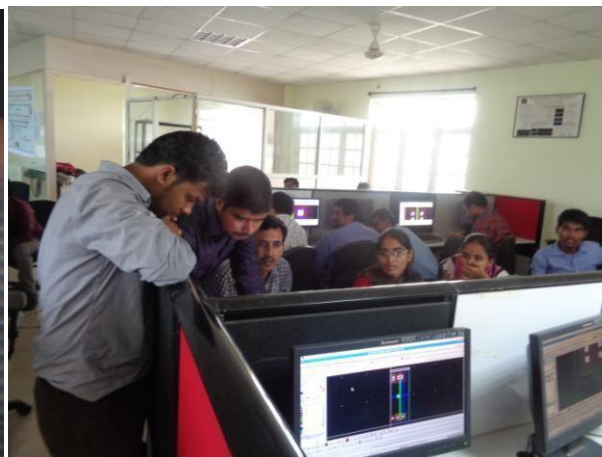
“Mixed Signal Design & Verification Using CADENCE Tools”

The department of ECE has organized **two day** workshop on **“Mixed Signal Design & Verification Using CADENCE Tools”** during **24/02/2016 to 25/02/2016** at **VLSI lab** in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource person **Mr.N.Madhusudan Reddy**, Senior Design Engineer & his team, **FPGA & ASIC INFOTECH Pvt. Ltd., Hyderabad**

The workshop aims to provide analog and digital IC design using Cadence tool. The Resource person explained about full and semi custom IC design flow and discussed which part of Cadence tool is used in each level of design. He explained analog full custom design and shown practical way of analysis step by step with simulation and layout design.

On second day of workshop, The participants have an exposure to the Circuit Design & Simulation, Layout, Physical Verification (DRC, LVS), and Extraction. The workshop includes practice sessions on the Cadence design and simulation tools (Encounter, RTL Compiler, Virtuoso, Spectre, Assura and Incisive).

The workshop was mainly focused on IV-year B.Tech students. Around 72 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Mr.T.Surender Reddy and Mr.V.Srinivas.





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***REPORT ON TWO DAY WORKSHOP
ON
“ROBOTICS – ANDROID BOTICS”***

The department of ECE has organized a Two Day Workshop on ***“ROBOTICS – ANDROID BOTICS”*** from 13/02/2016 to 14/02/2016. The department has invited the resource person K.Bhavani Shankar working two years for M/S Embedded RF Technologies , Hyderabad. During the first day of workshop , Introduction to python programming , its data types , usage and syntax and its importance in embedded applications was explained. They explained about python software tool and how to install different libraries.

During second day of workshop , they explained about program structure and hands on experience on different applications like matrix addition , multiplication and signal processing Applications and implementation.

The workshop was mainly focused on III-Year B.Tech students . Around 140 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Dr A.Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP ON

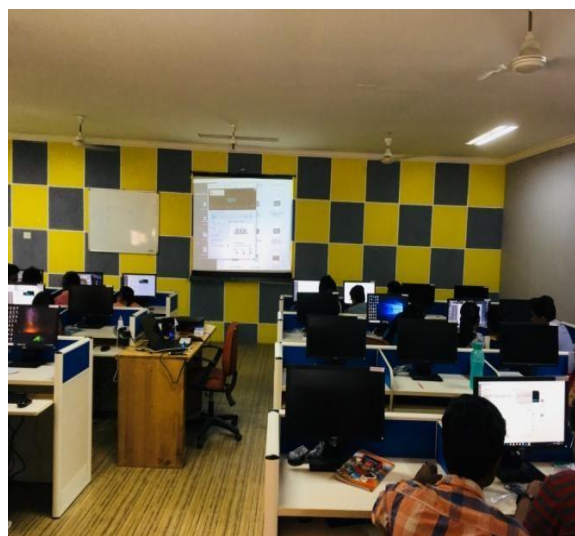
“C - PROGRAMMING”

The department of ECE has organized a **one week work shop** on “**C- Programming**” during **01st and 07th june 2016**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to c- programming, its data types, usage and syntax and its importance in applications was explained. They explained about c- software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 100 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP ON

“JAVA PROGRAMMING”

The department of ECE has organized a **one week work shop** on “**Java Programming**” during **08th and 14th June 2016**. The department has invited the resource person **SUNDARESAN.N** from **AI CONSULTANT**.

During the First half of workshop, Introduction to java programming, its data types, usage and syntax and its importance in embedded applications was explained. They explained about java software tool and how to install different libraries.

During Second half of workshop, they explained about program structure, and hands on experience on different applications like matrix addition, multiplication and signal processing applications and implementation.

The workshop was mainly focused on IV-year B.Tech students. Around 90 students benefitted from this workshop. A good feedback was given by the participants. This workshop was coordinated by Dr. A .Pradeep Kumar and N. Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“QUANTITATIVE APTITUDE”

The department of ECE has organized a One Week Workshop on “**Quantitative Aptitude**” from **15/06/2016 to 21/06/2016**. The department has invited the resource person Ashwin, software engineer, working four years for **TCS Pvt.Ltd, Hyderabad**.

During the one week of workshop, Introduction to aptitude, its methods, usage and shortcuts and examples and several problems was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 110 students benefitted from this workshop. A good feedback was given by the participants. This one-week workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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REPORT ON ONE WEEK WORKSHOP

ON

“VERBAL AND NON-VERBAL REASONING”

The department of ECE has organized a One Week Workshop on **“Verbal and Non-verbal Reasoning”** from **22/06/2016 to 28/06/2016**. The department has invited the resource person Ashwin, software engineer, working four years for **TCS Pvt.Ltd, Hyderabad**.

During the one week of workshop, Introduction to verbal and non-verbal, its reasoning, usage and communication and its importance speaking skills was explained.

The workshop was mainly focused on IV-year B.Tech students. Around 95 students benefitted from this workshop. A good feedback was given by the participants. This one-week workshop was coordinated by Dr. A .Pradeep Kumar and N.Pandu Ranga Reddy.





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A REPORT ON A ONE DAY WORKSHOP ON PHYSICS PRACTICALS FOR ENGINEERING STUDENTS



Physics is the study of nature which is demonstrated at Engineering Physics Laboratory. Engineering Physics Laboratory imparts the necessary theoretical knowledge and technical skill for all the budding Engineers of MREC to handle the precision tools and electronic gadgets thereby laying the foundation stone for the future technocrats in the practice of their professions. The basic focus in the Engineering Physics Laboratory is to develop scientific temper and encourage students to innovate in diverse technical areas for better understanding of technical and engineering problems.



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WORKSHOP ON GEO POLYMER (2015-16)



The Department of CE has organized a Two days Work shop on “Geopolymer” on 27th and 28th Nov 2015 for the benefit of M.Tech civil engineering students. The Workshop attended by 18 students. The resource persons are Dr P.Jayabalan and Dr.Samson Mathew Professors from NITT, and Tamilnadu.

Geopolymers are inorganic, typically ceramic, alumino-silicate forming long-range, covalently bonded, non-crystalline (amorphous) networks. Obsidian (volcanic glass) fragments are a component of some geopolymer blends. Commercially produced geopolymers may be used for fire- and heat-resistant coatings and adhesives, medicinal applications, high-temperature ceramics, new binders for fire-resistant fiber composites, toxic and radioactive waste encapsulation and new cements for concrete. The properties and uses of geopolymers are being explored in many scientific and industrial disciplines: modern inorganic chemistry, physical chemistry, colloid chemistry, mineralogy, geology, and in other types of engineering process technologies.



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ONE DAY SEMINAR ON DEMOLITION OF BUILDINGS (2015-16)



The Department of CE has organized a one day seminar on “Demolition of Buildings” on 7th Sept 2015 for the benefit of B.Tech civil engineering students. The one day seminar attended by 46 students. The resource person is Dr C.Natarajan, Professor from NIT, Tiruchirapalli, and Tamilnadu.

Demolition, or razing, is the science and engineering in safely and efficiently tearing down of buildings and other artificial structures. Demolition contrasts with deconstruction, which involves taking a building apart while carefully preserving valuable elements for reuse purposes.

For small buildings, such as houses, that are only two or three stories high, demolition is a rather simple process. The building is pulled down either manually or mechanically using large hydraulic equipment: elevated work platforms, cranes, excavators or bulldozers.



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ONE DAY SEMINAR ON NANO CONCRETE (2015-16)



The department of CE has organized a One Day Seminar on Nano Concrete on 28th Nov, 2015 for the benefit of B.Tech civil engineering students. The one day seminar attended by 46 students. Dr.S VenkateshwaraRao, Professor, CE Department from NIT Warangal, and Telangana has been invited as resource person.

Nanoconcrete is a form of concrete that contains Portland cement particles that are no greater than 100 μm and particles of silica no greater than 500 μm , which fill voids that would otherwise occur in normal concrete, thereby substantially increasing the material's strength. It is also a product of high-energy mixing (HEM) of conventional cement, sand and water which is a bottom-up approach of nano technology. This improves strength, durability, shrinkage and bonding to steel reinforcing bars.



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CIVIL ENGINEERING WORKSHOP/ SEMINAR REPORT ONE

DAY SEMINAR ON STRUCTURAL ANALYSIS (2015-16)



The Department of CE has organized a one day seminar on “Structural Analysis” on 10th Jan 2016 for the benefit of B.Tech civil engineering students. The one day seminar attended by 42 students. The resource person is Mr G.Ramana Reddy, Professor from CMRIT, Hyderabad and Telangana.

Structural analysis is the determination of the effects of loads on physical structures and their components. Structures subject to this type of analysis include all that must withstand loads, such as buildings, bridges, aircraft and ships. Structural analysis employs the fields of applied mechanics, materials science and applied mathematics to compute a structure's deformations, internal forces, stresses, support reactions, accelerations, and stability. The results of the analysis are used to verify a structure's fitness for use, often precluding physical tests. Structural analysis is thus a key part of the engineering design of structures.



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Report on Training Program “Technology, Transfer and Innovation”

The department of EEE Malla Reddy Engineering college (Autonomous) conducted a Training program on “Technology, Transfer and Innovation” on 20-07-2015.

The Main aim of the conducting the training program:

1. To give an insight on present technology, transfer and innovation.
2. To apply research techniques in real life applications.
3. To enhance the skills for research scholars and students.

Inaugural session: 10:00a.m., 20-07-2015.

Merging of grids, Penetration of Renewables and Smart grid are the impending challenges. Simulation tools assist the power engineers for such complex power systems in research, analysis, planning, designing, operation and control. This training program aimed at imparting knowledge and hands-on training on some of the simulation tools.

The esteemed personality present on the inaugural of the programme was our Principal Dr.S.Sudhakara Reddy, Principal, MREC (A). Work shop was attended by participants from various engineering colleges and P.G. students.





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Report on Training Program

"Introduction of Patents and its uses for Research Scholars and Students"

The Department of EEE in Malla Reddy Engineering College (Autonomous) conducted a Training program on “Introduction of Patents and its uses for Research Scholars and Students” on 09-09-2015.

Inaugural session: 10:00 a.m. 09-09-2015.

The esteemed personality present on the inaugural of the programme was our Principal Dr.S.Sudhakara Reddy, Principal, MREC (A).

It is necessary for academic researchers to carry out a patent search before they begin. Here are a few more reasons why you should:

- Save money: Around 30% of R&D budgets go waste on developing inventions that already exist!
- Research Data: Don't miss relevant data found in patents only, not in journal articles.
- Find better information: Companies patent inventions that they think are valuable, and they do it quickly. So it might be worthwhile for you, too.
- Use inventions for free: Patents expire after 20 years, which means anyone can use the invention. Moreover, even if the patent is still valid, there may be a provision to use it in research.
- Assist in applying for a patent on your research: Searching patents can help you find out what others in your field are doing, and confirm if your work is unique. This is the first step towards filing your patent application.

The Main aim of the conducting the training program is:

- To improve the knowledge of patents and its uses for Academicians.
- How to apply patents and get it.
- To improve the skills for research scholars and students.

A total of 47 participants attended the training program.





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Report on Workshop

Design of Various Transformers Using MAGNET-7.5

The Two day Workshop on “Design of Various Transformers Using MAGNET-7.5” has been successfully conducted by the Department of Electrical and Electronics Engineering of Malla Reddy Engineering College (Autonomous), Secunderabad during December 29-30, 2015. Participants from different parts of the country actively participated in the workshop and successfully completed the Program.

Certificates were issued to the participants by the program evaluation committee. Attendance and response to test question were taken into consideration for evaluation by program evaluation committee (PEC). Positive feedback was received from all the participants. Suggestions given by resource persons, committee members and participants were considered.





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WORKSHOP ON ADVANCED THERMODYNAMICS



The Department of MECH has organized a workshop on Advanced Thermodynamics from 09/12/2015 to 10/12/2015 at Seminal Hall in MECH Department. The workshop attended by 27 participants. Thermodynamics is that part of science which is concerned with the conditions that material systems may assume and the changes in conditions that may occur either spontaneously or as a result of interactions between systems.



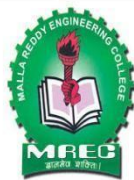
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GUEST LECTURE ON RECENT ADVANCES IN MANUFACTURING



The Department of MECH has organized a guest Lecture on “Recent Advances in Manufacturing” on 26/12/2015 for the benefit of Fourth year students. The resource person is Dr. Samuel, Professor from IIT Madras, Tamilnadu.



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***REPORT ON TWO DAY WORKSHOP
ON***

“ARDUINO BOARD INTERFACING”

The department of ECE has organized a **Two day** workshop on ***“ARDUINO BOARD INTERFACING”*** during **24th and 25th July 2015**. The department has invited the resource person Sourabh Joshi RF Engineer from VEM Technologies.

During the first day of workshop, introduction to Arduino Board its modules and interfaces with microcontroller , pin diagram and its important was explained. They explained about Arduino software tool , how to download the software its installation.

During Second day of workshop , they explained about programming structure and also download bit file in to Arduino Board. Hands on experience on different applications like ADC,LCD,RFID based system and implementation of Android based application.The workshop was mainly focused on III –Year B.Tech students.Around 64 students benefitted from this workshop. A good feedback was given by participants . Around 67 students has been attended .This two day wokshop ***Was coordinated by Mr.Shaik Jakeer Hussain , Mr T.Surender Reddy and Mr.B.Srinivas.***





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***REPORT ON TWO DAY WORKSHOP
ON
“PYTHON PROGRAMMING FOR EMBEDDED SYSTEMS ”***

The department of ECE has organized a **Two day** workshop on ***“PYTHON PROGRAMMING FOR EMBEDDED SYSTEMS ”*** during 7th and 8th August 2015. The department has invited the resource person Ashwin Ashok and Gurajpu Raja Sumant from TCS.

. During the first day of workshop , Introduction to python programming , its data types , usage and syntax and its importance in embedded applications was explained. They explained about python software tool and how to install different libraries.

During second day of workshop , they explained about program structure and hands on experience on different applications like matrix addition , multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-Year B.Tech students . Around 67 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Mr.Shaik Jakeer Hussain , Mr.T.Surender Reddy.





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REPORT ON THREE DAY WORKSHOP ON

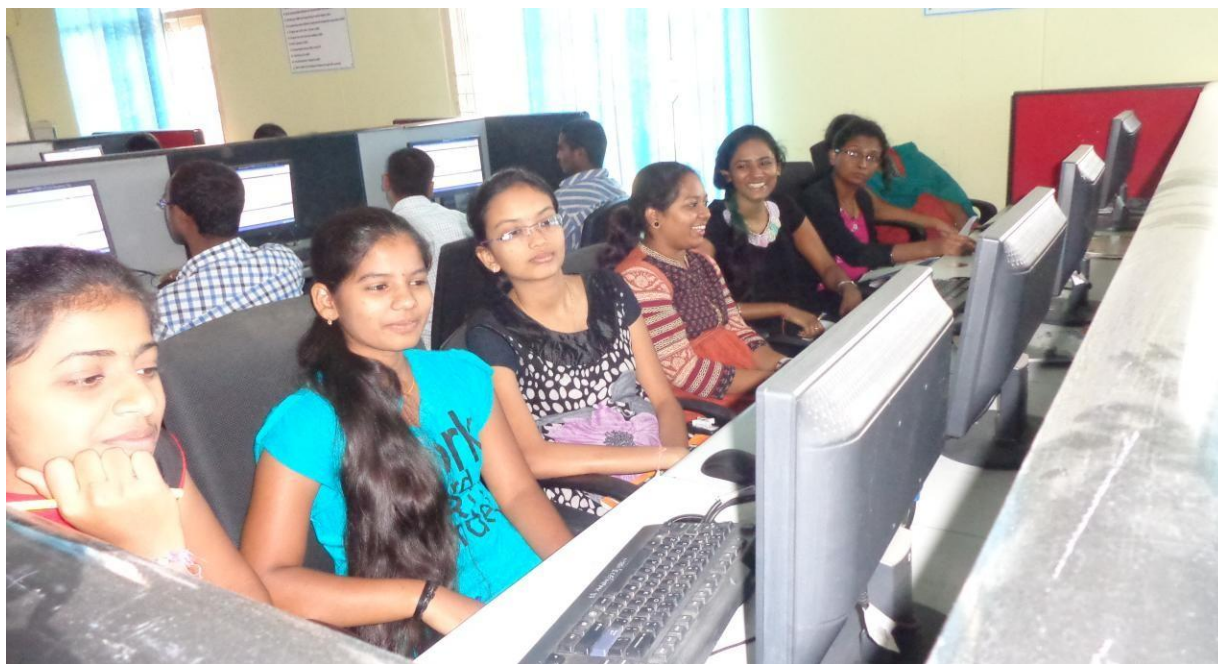
“Three Day Workshop on Hands on Intensive MATLAB Workshop on Digital Image Analysis for Pattern Recognition & Classification Techniques”

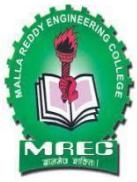
The department of ECE has organized a **Two day** workshop on ***“Three Day Workshop on Hands on Intensive MATLAB Workshop on Digital Image Analysis for Pattern Recognition & Classification Techniques”*** during 27th and 29th August 2015. The department has invited the resource person Ashwin Ashok and Gurajpu Raja Sumant from TCS.

. During the first day of workshop , Introduction to python programming , its data types , usage and syntax and its importance in embedded applications was explained. They explained about python software tool and how to install different libraries.

During second day of workshop , they explained about program structure and hands on experience on different applications like matrix addition , multiplication and signal processing applications and implementation.

The workshop was mainly focused on III-Year B.Tech students . Around 37 students benefitted from this workshop. A good feedback was given by the participants. This two day workshop was coordinated by Mr.Shaik Jakeer Hussain , Mr.T.Surender Reddy.





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REPORT ON TWO DAY WORKSHOP ON

“One Week Workshop on Embedded System Design using Arm7 & Raspberry Pi”

The department of ECE has organized two day work shop on **“One Week Workshop on Embedded System Design using Arm7 & Raspberry Pi”** during **30/11/2015 to 05/12/2015** in ECE department from 9.30 A.M to 4.30 P.M. The department has invited the resource persons R.Siva Krishna from M/s Unistring Technologies Pvt.Ltd., Hyderabad.

During the first day, introduction to Kiel software version 4 and also explaining importance of embedded C language and also explaining assembly language programming. Hands on experience on reading and writing of a file, simple interrupts handlers, interface 8 bit LED, Buzzer interface, 2*16 LCD display, and generation of PWM signals, SD_MMC card interface.

During second day, explain about COS, and theoretical part of RTOS and in the AN session demonstrates interruptible ISR, application of message queues and memory blocks and also interface programming blinking with two different LEDs at different timings, sending a character through serial with different tasks on priority base.

At an about 60 students of third year ECE have attended and interacted with the resource persons. This work shop was coordinated by N.Pandu Ranga Reddy, Mr.T.Srinivas Reddy and Mr.Anjaneyulu.





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Department of Computer Science and Engineering

Date: 12/10/2015

Report on Workshop on Emerging Trends in Science Technology Engineering and Management

A two day Workshop on Emerging trends in Science Technology Engineering and Management was Organized by Department of CSE, MREC(Autonomous),Secunderabad during from 9/10/2015 to 10/10/2015. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

Emerging trends of following topics were covered

Artificial Intelligence and its Applications

Big Data Analytics

Machine Learning & Deep Learning

Computer Vision

Cyber Physical System

Finally, this workshop on **Emerging trends in Science Technology Engineering and Management** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 09-10-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr.K.Sirisha,Associate.Professor ,SNITS ,Hyderabad



S. Ajay Kumar
Coordinator

[Signature]
(HOD-CSE)

Department
Computer Science and Engineering
M. V. Subrahmanyam Institute of Technology
S. J. Nagarajwada, Telangana State - 500 100.



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Date: 01/08/2015

Report on Workshop on Importance of Internshala

A One -Day **Workshop on Importance of Internshala** was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 31/07/2015. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

Internshala is most trusted platform for internship in India. Many students got internships in various companies through Internshala. The process of applying the internship on Internshala is effortless where you can directly apply for internships without paying anything to anyone.

In setting up internships, not only employers are able to offer students a chance to work with industry professionals, but the students also get an opportunity to take the theory to learn in the class room and put it into practice here, in which ever activity they're focused.

A very thankful to our principal for his support to organizing the workshop successfully.

Inaugural session: 10:00 a.m., 31-07-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

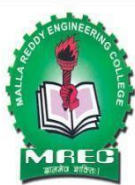
B.Samhitha Value Labs, Resource Person, Hyderabad



P. Srinivas
Coordinator

M. Sridhar
(HOD-CSE)

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College for Women
Siddipet, Telangana State - 504 100.



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Report on One-Day Workshop on Network programming

Date: 22/07/2015

A One-Day “**Workshop on Network programming**” was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 21/07/2015. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations. The workshop series is a timely forum for exciting trends, technological and scientific advances in the intersection of these communities. We describe some of the highlights from the invited talks through the lens of three trends: Advances in network machine architectures, network programming abstractions, and network verification.

The modules covered are

- Introduction to Network programming
- Cyber Security Strategies
- Digital & Electronic Signatures

Finally, **Workshop on Network programming** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 21-07-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Mr. Chandraprakash ,Coimbatore,Tamilanadu.



M. SwamiDas
Coordinator


Principal
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Muttamaguda, Dhulapalle
(Vijaya Vittala Kompally), Secunderabad



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Report on Workshop on “Information security”

A **Workshop on “Information security”** was Organized by Department of CSE, MREC(Autonomous), Secunderabad during on 28/08/2015. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Introduction to Information security
- Cyber Security Strategies
- Applications

According to the Forbes report cyber security market is expected to grow up to \$170 Billion within 2020. With around 20% rise in job opportunities in the field of cyber security. MNCs like TCS, Wipro, and Cognizant have invested huge amount in building up a team of cyber security professionals. This workshop on security focuses strictly on how black hat hackers can gain access to critical and sensitive information of individual and organizations. Understanding in depth how to counter the attacks from black hat hackers the workshop demonstrate live hacking to spread awareness among individuals.

In this workshop the resource person demonstrate how hackers can hack into smart phone, website hacking and admin panel bypass, undetectable virus which can steal data, ransomware development and safety measures, social media (Face book, Instagram) hacks and many more.

Finally, this **Workshop on “Information security”** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 28-08-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Mr. V. Harish,Asso.Professor,VNRVJIT, Hyderabad



Dr. Swami Das,
Coordinator


HOD-CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State- 500 100.



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Report on Workshop on Information retrieval

A One-Day **Workshop on Information retrieval** was Organized by Department of CSE, MREC (Autonomous), Secunderabad on 28/09/2015. The schedule was planned in such a way that, from the basic and most of the topics was covered in depth with the practical implementations.

The modules covered are

- Introduction to Information retrieval
- Information Retrieval applications
- Information strategy and Access

Finally, this One-Day **Workshop on Information retrieval** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 28-08-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)


Coordinator


HOD-CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr.P Neelakantan,Asso.Professor,VNRVJIT, Hyderabad



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Date: 22/12/2015

Report on One Day Workshop on Emerging Trends in Computer Science

A One -Day **workshop on Emerging Trends in Computer Science** was Organized by Department of CSE, MREC(Autonomous),Secunderabad during on 21/12/2015. The schedule was planned in such a way that, from the basic and most of the topics were covered in depth with the practical implementations.

The modules covered are

- Emerging trends in computer Science
- Computing Science basics
- Mathematical Foundations
- Applications and computer Science

Finally, this One day workshop on **Emerging Trends in Computer Science** was really an eye opener sessions for the beginners and very effective for the research scholars for further processing.

Inaugural session: 10:00 a.m., 21-12-2015.

The esteemed personalities present on the inaugural of the programme:

Dr.S.Sudhakara Reddy, Principal, MREC (A)

Sri. Ch. Malla Reddy, M.P Founder of MRGI Institutions-Chief Guest

Sri. Ch. Mahender Reddy Secretary, CMR Educational Society Guest of Honor

Dr. S. Vasavi,Professor,CMRCET, Hyderabad



S. Ajay Kumar
Coordinator


CSE-MOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College
Secunderabad, Telangana State - 500 100.

Report on One week Workshop on Amendments in Mining Machinery

This is age of industrialization and all industrial activities have received boost in economy efficiency and feasibility by Machinery. In mining Machines are becoming big, smart, operated remotely or with pre programming.

Underground specialized mining equipment such as trucks, loaders, diggers etc. are used to excavate the material and are normally hauled to the surface with skips or lifts for further processing. Drilling is normally required to place explosive charges to liberate the minerals from the overburden material.

Largest of the Machines in the world are bucket wheel excavator. The mining industry is overflowing with radical equipment. Companies like Caterpillar and Atlas Copco have launched some of the most technologically-advanced machinery in recent years and the pace isn't slowing down. Equipment is becoming smarter, faster, and safer, helping mining companies improve productivity while keeping operating costs at a minimum.

We spoke with the industry's leading equipment manufacturers and the engineers behind their newest inventions to find out what the mining industry can expect in the future.



With the new innovations in underground mining equipment, the future is looking quite abundant for miners looking to maximize profits and productivity.

A Seminar was conducted on 18th - 25th September 2015 on the subject.

The speakers who addressed the gathering were Mr. B. Veera Reddy, GM Adriyala Project, SCCL, Mr. Ch Veera Reddy, GM Bellampalli, Mr. R Sharma, Blasting consultant, Hyderabad, Mr. S. N. Shiva Kumar, Mr. Veda Kumar, Mine Consultant and Mr V. Shrikanth have given week long lectures so the students got awareness about all parameters that concern Mining Machinery.

The presentation by both the speakers was very lively. Students welcomed the topics and gave a feed back that more such lectures should be arranged, in future.

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**Report on FDP conducted on Amendments to Mine Legislation
At Malla Reddy Engineering College (Autonomous) between 10th and 16th November 2015.**

A FDP was conducted in IBM Lab of the I year Block between 10th and 16th November 2015 on the subject of Amendments in Mine Legislation.

The inaugural session of the FDP was conducted on 10th November 2015. Principal of the College Dr. Sudhakar Reddy invited the Chief Guest and other dignitaries. HOD Sri. Narsimha Reddy explained the importance of the subject to the gathered faculties. Chief Guest was Sri. G. Vijay Kumar, Director of Mines Safety, South Central Zone, Hyderabad.

The weeklong FDP was conducted by experienced officers from Directorate General of Mines Safety and officers from Rescue station of Singareni Collieries and officers from PESO (Erstwhile Department of Explosives).

The topic of amendments to Mine Legislation was chosen because, a lot of discussion at various forums is taking place as various think tanks are hotly discussing the proposed amendments to the Coal Mines Regulations, Mines Act, Metalliferrous Mines Regulations etc., These changes are proposed as the technology being used in mines had changed drastically and it is believed that old regulations are either outlived their purpose or have very less relevance to the current scenario. Lot of new systems and working methods were introduced which are



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being now controlled without proper legislation.



Legislation is very essential in a highly risky profession such as Mining. Law is very complex and unless people who are enforcing the same in the field are explaining some of the nuances will be difficult to comprehend. Teaching the legislation to students requires, a thorough understanding of the legislative process and the process of wetting by various elected representative of the public.

23 faculty have attended the program, All the Mining Faculty and the faculty of Mining Departments of JBIT, Mother Theresa College, Godavari Institute of Technology, Rajahmundry have attended the program.

The lecture material was collected from the resource persons and was circulated among the participants. The feedback was good. The participants welcomed the FDP and requested that far more such interactions with the field and Government officers will enrich their knowledge and enhance the standards of teaching learning process in the institution which will help the future generations of graduates.

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WORKSHOP ON “COLLABORATIVE COMPUTING NETWORKING AND APPLICATIONS”



The Department of IT, MREC (A), organized a one day workshop on “Collaborative Computing Networking and Applications” on 16-10-2015. **Resource Person for this workshop is Dr. A. Govardhan, Professor, JNTUH.**



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Report

The department of MBA has organised one day guest lecture on Advance Research Methodology on social sciences on 19-12-15 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.Koteswar Rao, Professor, Hyderabad.

The scientific method as applied to social sciences includes a variety of research approaches .tools and techniques for collecting analyzing qualitative or quantitative data. These methods includes laboratory experiments, field surveys ,case research, ethnographic research action research and so forth Advanced research methods describes the many ways researchers conduct formal scholarly research investigate a research problem or see to prove a hypothesis. However in this lecture we discuss about various ways of researches that can be carried out in the society.

Important points to be highlighted by individual speakers

- It is significance lies in solving various planning and operational problems
- It involves the study of cause and effect relationship between various variables and helps to identify behavior/patterns/trends in certain variables
- It aids in decision makingThe knowledge of research methodology equips the researcher with the tools that helps him/her to make the observations objectively.



The department of MBA has organized one day guest lecture on Research Methodology on and statistical analysis on 1-7-15 at MBA seminar in MBA department from 10:00AM to 3:00PM the department has been invited the resource person Dr.Koteswar Rao,Professor, Hyderabad.

A methodology provides a blue print for other researchers to follow allowing them to conduct there own study while using your method to arrive at similar findings. The following experts provide a brief overview of how the two approaches to methodology formation differ. Statistical methods involved in carrying out a study includes planning ,designing, collecting data analyzing ,drawing meaning full interpretation and reporting of the research findings. The statistical analysis gives meaning to the meaningless number, there by breathing life into a lifeless data. The results and inferences and precise only if proper statistical tests are used, the article will try to acquaint the reader with the basic research tools that are utilizes while conducting various studies.

It included the inputs on selection of topic, problem definition, research design, hypothesis forming etc, and the usage of application of statistically tools to the collected data.

