



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on C programming & Data structures (CRT)

DATE: 8th to 12th July 2019

VENUE: CSE 150 LAB

Campus recruitment training based programme was conducted for final year students of CSE on C & Data structures. The main objective of this training is to train the students to excel their programming skills and to speed up the ability in solving Programming aptitude Questions on the point of interview.

Following are the topics that are covered in the Three day CRT program:

- Day 1: Introduction to c programming- Patterns Programs & Loops in C programming.
- Day 2: Arrays, Strings, Pointers
- Day 3: Structures, Linked list, Stacks

The training was well conducted by the faculties of path creators. They made the students interact with them effectively in answering the entire question. This training helped students to develop the Coding skills and they learnt different methodologies to solve programming questions in faster manner. The students were grateful to their beloved Principal Dr.V.S.K Reddy Sir, HoD Dr. D.Sujatha and CRT coordinator Mr.Kamal sir for facilitating the training sessions which were highly focused towards campus placements.

Malla Reddy College of Engineering Technology

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Maisammaguda, Kompally, Hyderabad - 500014. India.



INAUGURATION OF MRCET INNOVATION CLUB



Mrcet Innovation Club
We share knowledge

Organized by

CSE Department

On 3rd – August,2019

Malla Reddy College of Engineering Technology

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Maisammaguda, Kompally, Hyderabad - 500014. India.

REPORT

The Primary aim of **MRCET INNOVATION CLUB (MIC)** organized by **CSE Department** in MRCET campus is to bring out the innovative skills in the students. It is a platform for the students to showcase their ideas and gain knowledge from industrial experts. It also gives exposure to the latest technologies that are being used in the industry and the latest developments or innovations which are taking place across the globe. This is an excellent opportunity to know the current scenario in the fields of information technology and also to interact with people who have expertise in this field.

The outcome of **MRCET INNOVATION CLUB (MIC)** is

1. To share the knowledge in different areas of technology.
2. To encourage the members of club to turn their innovative ideas into great projects. As we believe that doing projects is the only way to learn things effectively.
3. To conduct workshops, seminars, Hackathons, Tech Talks by experts.
4. To prepare for Google Summer Of Code and to make use of Hacker Rank, Hacker Earth, Code Chef for Practice.

The inauguration of **MRCET INNOVATION CLUB** was held on **Aug 3rd 2019**. The club was intended for the students who aspire for gain the knowledge and application development in various platforms.

The inaugural ceremony started with the formal welcome of the dignitaries and students by **Dr. Sujatha (H.o.D of CSE)**. She addressed the audience about the club. MIC is the first club to be organized in the college which encourages the students to come up with innovative ideas and also helps in enhancing their skills in various areas.

Dr.VSK Reddy principal gave us a short speech regarding the club and its activities which includes the inauguration of logo and the club website. He appreciated the idea of the club and department work.

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Then **G.Vyshnavi** a member of the club took the initiative to explain the importance and objectives of the club. The reason behind the idea of the club is to develop the skills that will benefit students in future. Skills like leadership qualities, work ethics, effective communication, and being able to work successfully in a group, etc. The further session was followed by **G.Eshwar** he gave a detailed explanation on Gitlab. Gitlab is a web-based DevOps lifecycle tool and is fully free and open-source software. The co-ordinators implemented gitlab in our college server called M-Git (MRCET git). This would help the students to save and share their project works.

The next session was by **Shashikanth** is alumni of Bits Pilani who educated us on data piracy and free software and gave us some tips and told us some best practices to be followed so that we can protect our data. In the end, **Dr. Sujatha H.o.D** offered a vote of thanks to the speakers.

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Essential Details:

Date and time of MIC : 3rd Aug, 2.00 P.M. onwards

Venue: CSE Seminar Hall

Duration: 2 hours

Moderator: Mr. Shashikanth

Club Name: MRCET INNOVATION CLUB(MIC)

Faculty Coordinator: Mr.M. Jayapal, Associate Professor
Mr.A.Saleem,Assistant Professor

Students Coordinators: M.Thirumal Reddy T. Akhila
(III Years) G. Sahith Reddy B. Shakunth Vaishnav
 J. Pranavi Reddy C. Rohith
 G. Vyshnavi T. Nithish
 J. Manisha M. Anusha
 K. Vishal M. SaiPriya
 G. Eshwar



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on C, C++-PROJECT BASED TRAINING

A report on four days of CRT Training Program based on C & C++ Project from 9th, 10th and 13th, 14th 2019 for 2nd year students. This Training program was organized by the Department of Computer science and engineering at Mall Reddy College of Engineering and Technology. It was organized by our Principal Dr. V.S.K Reddy Sir , Dean of placements Prof.Kailasa Rao sir and the Head Of the Department Dr. D.Sujatha madam. The Training was lead by Mr.Kishore and Mr.Kiran.

More than 200 students attended the CRT program to improve their programming skills in C and C++.As programming language is a method to communicate with machines in a systematic format. The main objective of this CRT program to make solving logical programs in C,C++ and to understands the real-time problems in software industry.

The topics covered in the CRT training program:

Day 1:

- Basic concepts (Data types,Operators..)
- Programs on Sum of first n numbers , Sum of digits , Sum of squares of first n numbers
And Prime number or not

Day 2:

On Second day, the session starst with the concepts of array.

- Arrays ,Initialization of arrays,Declaration of arrays
- Programs on to Print all the elements of an array separated by comma
And Print all the even index elements and many more

Day 3:

The third day was all about the strings and C Pattern programs which make the students to think creatively.

- Strings , String Functions

- Programs on Strings and C Pattern

Day 4:

The last day was done with the functions and the over view of all the topics also gave the brief description on industry point of view.

- Functions
- File operations and Modes of files and programs based on files

The CRT training program was conducted in more interactive manner with hands on session so that the students would not feel bored. By attending this CRT Training Program students thought process has been changed, and increase their confident enough to tackle any kind of aptitude questions in C and C++. These kind of CRT Programs goes beyond the classroom and gets the platform to explore themselves in meeting a challenging future in Software industry.







MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON CRT (CAMPUS RECRUITMENT TRAINING) CLASSES

Date : 18th to 22nd Feb 2019
Venue : CSE Seminar Hall
Conducted by : T.I.M.E
Attended by : III B.Tech CSE(A,B,C&D) students

The five days CRT classes was held from 18th to 22nd Feb 2019 at MRCET in CSE Seminar Hall which was conducted by T.I.M.E academy. Nearly 200 students of CSE branch attended these classes.

The intention of this training program was to improve the communication skills and soft skills of the students. Also there were enough trained in the logical ability and vocabulary.

Trainers for the all five days are Mr. Charlton, Mr. Vijay, Ms.Keerthi, Mr.Prakash, Mr.Tarun and Mr. Mahesh from TIME.

DAY ONE: 18-02-2019

Verbal ability, communication skills

Time, distance & speed

DAY TWO: 19-02-2019

Vocabulary, Logical ability (Blood relations, distances)

Numbers and number systems (HCF & LCM)

DAY THREE: 20-02-2019

Reading comprehension, Basic communication skills

Profit & loss

DAY FOUR: 21-02-2019

Logical ability, percentage

Simple interest & compound interest

DAY FIVE: 22-02-2019

Verbal ability (Nouns, Pronouns & Articles)

Basic communication skills

Verbal ability (Verb, Adverb & Adjective)

The objective of this training is to increase the ability of students and to build a strong competency on employment. The training was well conducted and students were given many tasks to improve their skills. Also they were provided with work sheets where they practiced on the concern topics after the session was conducted. The students were very grateful to our beloved Principal Dr.V.S.K.Reddy Sir for facilitating the training sessions which were highly focused towards campus placements.







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**CSI Student Chapter Inauguration &
Technical talk on Block Chain Technology**

Date: 2nd November 2019

Venue: Auditorium

Computer Society of India is the first and largest body of computer professionals in India. The Computer Society of India is a non-profit professional meet to exchange views and information learn and share ideas. The wide spectrum of members is committed to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences. The Society also encourages and assists professionals to maintain integrity and competence of the profession and fosters a sense of partnership amongst members. Besides the activities held at the Chapters and Student Branches, the Society also conducts periodic conferences, seminars.

Dr. V.S.K. Reddy, Principal, MRCET along with **Dr. D Sujatha, HOD, Department of CSE, Dr. N.S.Gowri Ganesh, HOD, Department of IT, Mr.Seshu Kumar, CSI Chairman, Global Head, WIPRO, Hyderabad, Mr.Prashanth Sahoo, Certified Block chain expert, TCS,Hyderabad** has inaugurated the CSI student chapter and motivated the students.

Dr. V.S.K. Reddy, Principal, MRCET, has formally welcomed the distinguished chief guest and the CSI Chairman. He expressed himself feeling overwhelming about the experts from industry. He advised the students to grab the opportunity and get motivated to the latest technologies apart from academics.

Dr. D Sujatha, HOD, Department of CSE, MRCET, has welcomed the dignitaries and expert. She addressed the students about the CSI student chapter and she motivated students to be enthusiastic to learn the Block chain technology and mentioned about the benefits of CSI. She also introduced about the student CSI members of CSE department. Mr.Krishi Teja, Ms.Nikhila,

Mr.Aejaz, Mr.Abishek, Ms.Bhavana, Mr.Uddharsh and Mr.Vishal of CSE third year who will be the active members of CSI.

Dr. N.S.Gowri Ganesh, HOD, Department of IT, has addressed the gathering by comparing the earlier technology with the current technology and insists the students to learn the trending technology. He advised the students to utilize this platform by making active participation and to expose their talents.

Mr.Seshu Kumar, CSI Chairman, Global Head, WIPRO, Hyderabad, has inaugurated the CSI student chapter. He wished students and faculty in organizing CSI chapter. He compared IEEE which was worldwide professional bodies with CSI and its standards. He gave an analysis on the current technologies followed in companies. He stated it's a forum to share knowledge, initialize objectives, guide and interact with academicians, practitioners and can utilized for publishing magazines, articles.

Mr.Prashanth Sahoo, Certified Block chain expert, TCS, Hyderabad, has congratulated management for inaugurating CSI student chapter in this institution. He said that CSI is a good platform and plays a vital role for students. He congratulated student CSI members and made them to know their roles and responsibilities involved in this. He also gave a Technical Talk on Block Chain Technology and listed how it is beneficial in longer run.

Dr. V.S.K. Reddy, Principal, MRCET, has felicitated **Mr.Seshu Kumar, CSI Chairman and Mr.Prashanth Sahoo, Certified Block chain expert** with a memento on this special occasion .

Vote of thanks was given by **Dr. D Sujatha, HOD, Department of CSE, MRCET** on behalf of CSE and IT departments. She thanked the **Esteemed Guests, Principal , Management** on this occasion .She wished the **CSI** student members for their involvement and willingness .







**MALLA REDDY COLLEGE OF
ENGINEERING & TECHNOLOGY**
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CSIR SPONSORED TWO DAYS NATIONAL LEVEL WORKSHOP ON

**“MACHINE LEARNING FOR HUMAN-ROBOT COLLOBORATE AND ARTIFICIAL
INTELLIGENCE AWARENESS”**

22/11/2019 and 23/11/2019

Machine learning is a method of data analysis that automates analytical model building. A subset of artificial intelligence (AI), machine learning (ML) is the area of computational science that focuses on analyzing and interpreting patterns and structures in data to enable learning, reasoning, and decision making outside of human interaction.

The main importance of AI is that the autonomous robot could eventually have more proactive behaviors, planning their motion in complex unknown environments. These new capabilities keep safety as a primary issues and efficiency as secondary. To allow this new generation of robot research is being conducted on human detection, motion planning, sense reconstruction, intelligent behavior through task planning and compliant behavior using force control

Two days national level workshop on “machine learning for human-robot colloborate and artificial intelligence awareness” was conducted in MRCET campus for two days on **22/11/2019 and 23/11/2019** at MRCET auditorium. This workshop was inaugurated by Dr.VSK Reddy, Principal, MRCET, Mr Joy Mustafi, CEO, MUST Research, Dr.Murali Krishna, Dean of Academics, Prof. K Kailasa Rao, Director of CSE and Dean placements, Dr. D Sujatha, HOD, CSE, Dr. Gowri Ganesh, HOD,IT by lightning the lamp in a traditional manner.

Dr.VSK Reddy, Principal, MRCET, has welcomed the participants and appreciated CSE department for organizing the workshop by introducing new technologies. He also appreciated Dr. D Sujatha, HOD, CSE, for getting sponsorship from **Council of Scientific and Industrial Research (CSIR)**. Also he insisted faculty to adapt with newer technologies so that learning

capability will be higher and the method of transfer to students will be efficient. He thanked the chief guest for coming in spite of his busy schedule and also advised faculty members to grab the opportunity in a better way.

Dr.Murali Krishna, Dean of Academics, MRCET, has appreciated CSE department for taking initiation on all aspects and also for conducting such workshop on upcoming technologies. He also said about the significance of Machine learning &AI which was implemented in our society. Also he advised the faculty to make use this sophisticated opportunity.

Prof. K Kailasa Rao, Director of CSE and Dean placements, addressed the faculty and told the importance of Machine learning &AI in corporate life. He said about the opportunities and placements which are in high demand on current technologies. Also spoke about the Artificial Intelligence which acts as human and its programming skills. He suggested faculty to take part in this two days workshop.

Prof.Sanjeeva Reddy, Dean of International Studies & Director of ECE, MRCET, has mentioned about the automation and statistical analysis which was ruling the world. He spoke about the data science and its higher studies on abroad. Also he said about the opportunities on data science where Google is directly recruiting. **Dr.Srinivasa Rao, HOD, ECE,** has conveyed his best wishes to CSE department and told to actively participate in these two days workshop.

Dr. D Sujatha, HOD, CSE, formally addressed and welcomed the gathering. She gave a detail note on this two days workshop and thanked Dr.Nagendra Prabhu, Organizing Secretary, who got the sponsorship from CSIR. She also spoke about the Machine learning and AI with its applications and how it helps in research and also insists the participants to utilize the opportunity in gaining the knowledge on newer technology.

Mr Joy Mustafi, CEO, MUST Research, has delivered about the Applications of Artificial Intelligence and its applications. He also covers on Innovativeness, Problem Solving with Text and Numbers, Analytical Questions with Tables and Charts, Problem Solving with Vision, Connected Robot through Sensor and Voice Control, Market Impact, Social Impact, Sustainability and Inter-operability. He also played a video of an Robot which was developed in MUST academy.

Santhosh Vutukuri, Indian School of Business, has started with a clear difference of clustering and classification with examples. He also spoke about the analytics grammar, optimization problem in Machine learning, introduction on Data science and how it is managed, implemented on business field.

Gopi Krishna Nuti, Vice President, MUST Research, has delivered his lecture on computer vision with older problems and newer solutions. He also extended with Image segmentation, convolution neural network and depth perception.

Dr. Bapi Raju Surampudi, Professor, Cognitive Science Lab, IIIT Hyderabad, has spoke about Deep Learning and the Brain inspiration. He also told about the neural networks and how the data are trained as a data set along with the decision boundary perspective. Also he covered on deep learning followed by unit detector, hierarchical feature detector, Functional Magnetic Resonance Imaging (fMRI), Classification problem, Deep NN.

Dr. Aruna Malapati, BITS, CSE&IS, Hyderabad, had covered topic on **ML&AI applications**, Adaptation and Learning In Autonomous Robots, Trends in Robotics Research Components of Typical Robots, Autonomous Intelligent Systems, Learning Approaches for Robot Systems Human-Robot Interfaces, Approaches to recommender systems

At the end of the workshop the participants had interactive session where they clarified their doubts on research areas and also gave good feedback about the topics taken for workshop. Finally on valedictory **Dr. VSK Reddy, Principal, MRCET, Dr. Murali Krishna, Dean of Academics, MRCET, Prof. K Kailasa Rao, Director of CSE and Dean placements**,

Dr. D Sujatha, HOD, CSE distributed certificates to all the participants and at the end

Dr. D Sujatha, HOD, CSE thank our principal and all the coordinators who made this workshop on grand success.







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Department of Computer Science & Engineering

Report on C&C++ one day workshop by IIT Bombay

Date: 29th February 2020

Venue: CSE 150 Lab

One day workshop on C&C++ was conducted by the department of CSE in association with IIT Bombay which was held on 29th February 2020. It was conducted through online by the Teaching Learning Centre (ICT) Funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, MHRD, Govt. of India supported by Spoken Tutorial. Nearly 200 students of second year were participated in this one day workshop. The workshop was inaugurated by principal Dr.VSK Reddy, Principal, MRCET, Prof.Kailash Rao, Dean of placements & Director of CSE and Dr.D.Sujatha, HOD, CSE.

Dr.VSK Reddy, Principal, MRCET, addressed students to take it in serious way and to utilize the opportunity properly to gain more practical knowledge.

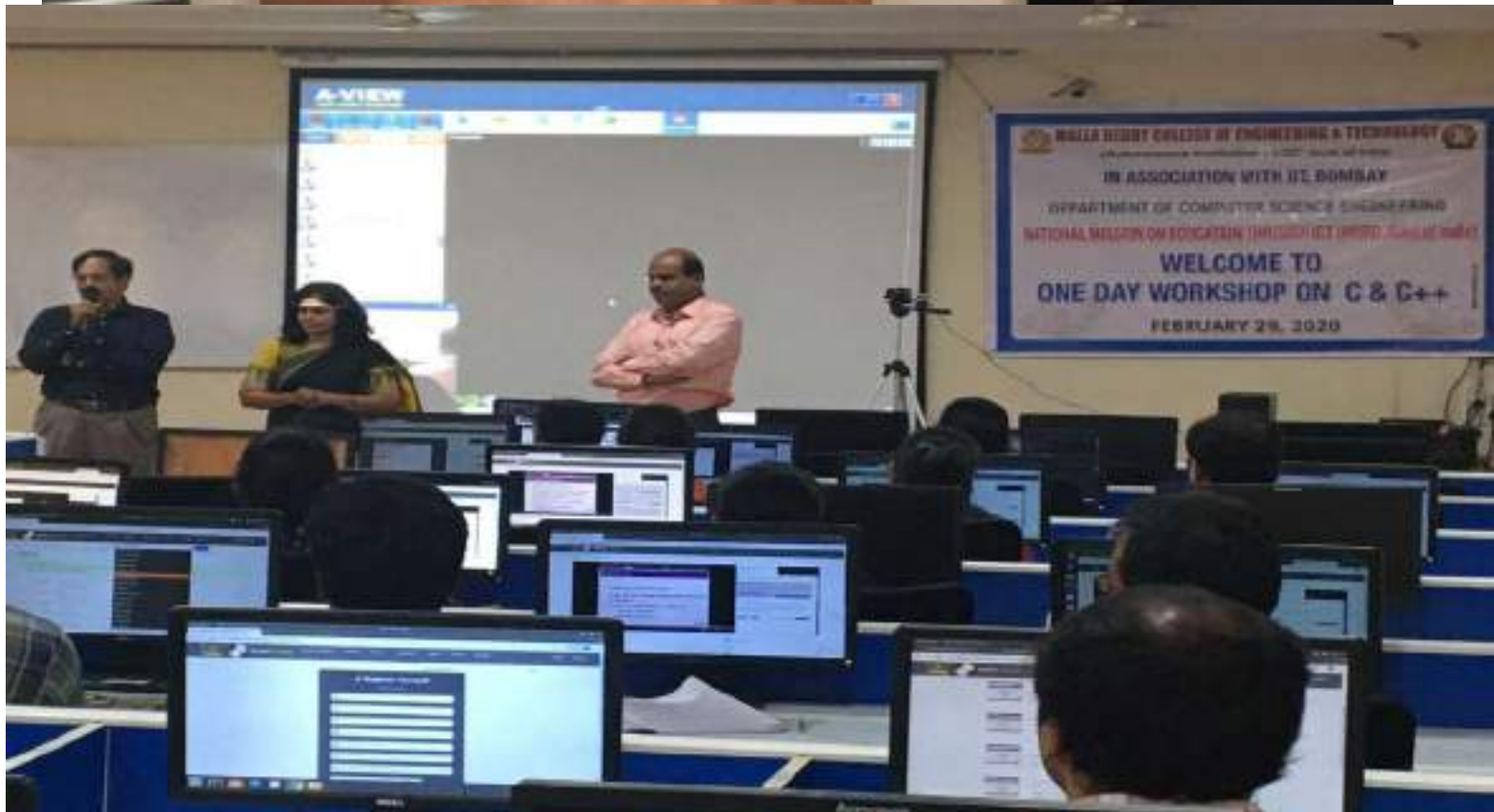
Prof.Kailash Rao, Dean of placements & Director of CSE, addressed students to get trained on C&C++ and also share about the placements and opportunity available on industry.

Dr.D.Sujatha, HOD, CSE, insists students to be more attentive and to understand the concepts clearly and also thanked principal Dr.VSK Reddy sir for accepting in organizing this one day workshop.

A-VIEW Talks by the Chief Guest, the HOD, CSE, IIT Bombay, Prof. Bhaskaran Raman, Prof. Kameswari Chebrolu, Prof. Varsha Apte and Prof.Kannan Moudgalya

Topic covered:

Hands-on session was conducted on looping statement, string, functions and array





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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

One week workshop on Machine learning using Watson studio

Date: 10th to 14th March 2020

Venue: CSE 150 lab

One week workshop on “Machine learning using Watson studio” was conducted by the department of CSE from 10th to 14th March. More than 200 numbers of students participated and gained more information with hands on session using Watson studio.

Dr.VSK Reddy, Principal has inaugurated the one week workshop and invited our trainer **Mr.Kagandeeep Thakur, Technical Director, Cognitive Creators**. Sir has addressed the students to utilize the opportunity and to gain knowledge on machine learning.

Prof. K Kailasa Rao, Director of CSE and Dean Placements addressed the gathering with his informative speech about the machine learning. He said that it is mandatory for students to make continuous learning on current technologies where this platform makes the best and for better understanding a hands on session is provided.

Dr. D Sujatha, HOD, CSE formally addressed the students and thanked our Principal for accepting in organizing this one week Work shop. She also elaborated on Machine learning and insists students to use this opportunity and grab the knowledge.

Mr.Kagandeeep Thakur, Technical Director, Cognitive Creators, was the resource person for conducting this one week workshop. His session was very much interesting and with full energy as he explained all the concepts with hands on session for all the days.

Topics covered on five days

DAY-1

Introduction on Machine learning: Basic definitions, types of learning, hypothesis space and inductive bias, evaluation, cross-validation, Linear regression, Decision trees, Instance based learning, Feature reduction, Collaborative altering based recommendation. Installation on Data preprocessing

DAY-2

Introduction on regression: data Outliers, Normality, Linearity

Types of regression: LinearRegression, LogisticRegression, RidgeRegression, LassoRegression, Bayesian Linear Regression.

DAY-3

Introduction on classification: classification algorithms, such as KNN, Decision Trees, Logistic Regression and SVM.

Types of classification: Binary Classification, Multi-Class Classification, Multi-Label Classification, Imbalanced Classification.

DAY-4

Watson studio Introduction: IBM Watson Knowledge Catalog, Data Refinery, and the SPSS Modeler.

Applying classification on real life data set: Email Spam, Handwritten Digit Recognition

DAY-5

Introduction on clustering: how to use clustering for customer segmentation, grouping same vehicles, and also clustering of weather stations. Types of clustering, including Partitioned-based Clustering, Hierarchical Clustering, and Density-based Clustering.





```
1 # This is a temporary script.
2
3 def square(num = 0):
4     print (num**2)
5
6
7
8
9
10
```



INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND SIGNAL PROCESSING



21/08/2020 and 22/08/2020

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

On 21st and 22nd of August 2020 Third International conference on “**Soft Computing and Signal Processing**” was held on virtual mode through zoom meeting which was organized by department of Computer science & Engineering and Information Technology at Malla Reddy College of Engineering & Technology. There is a three parallel session conducted through Zoom meeting in which the papers are presented by the authors from various countries. During the session there were two session chair who gave valuable suggestions to our Authors.

The Conference was a significant event, bringing together 350 scholars from various countries in which the papers got published in SPRINGER. The conference added glory to the institution by the presence of eminent personalities.

D.V.S.K.Reddy, Principal , has welcomed chief guests ,heart touching authors from national and international wide to the two days international conference which sets a platform for the teaching community. He feels proud in association with Springer and also express his gratitude towards all the person who directly and indirectly supports in conducting this conference a grand success.

D.Murali Krishna, Dean Academics appreciated all the departments for conducting the three international conferences on various domains on virtual mode. He told MRCET creates a brand in organizing the conference in virtual where the participants got benefited by presenting their papers from their places.

Dr.Sanjeeva Reddy, Director of ECE, Convener of Conference spoke about all the dignitaries and told that 2020 is historical day because of the third international conference of **Springer** which held in virtual mode that makes pride and joy to MRCET. He also elaborated about the various International Conference on different departments. He expressed his gratitude to Dr. V.S.K. Reddy, Principal, MRCET for the opportunity provided to authors and faculty empowerment.

Dr.D.Sujatha, HOD, CSE, Organizing Secretary, Dr.N.Gowri Ganesh, HOD,IT Organizing Secretary representing ICSCSP welcomed all the delegates and participants.

We had two eminent key note speakers:

KEYNOTE ADDRESS-1:

Sri Aninda Bose, Senior Editor, Applied Sciences, Computational Intelligence, Energy, Water Springer New Delhi, India.

KEYNOTE ADDRESS-2: Dr. Garimella Ramakrishna Murthy Professor, Mahindra École Centrale, Hyderabad

There are three parallel session conduction through zoom meeting in which two session chairs, authors and participants are connected virtually. More than 100 papers were presented on these two days conference. The session chair made their presence and gives their valuable suggestions for the authors.

Session chairs from various places:

Dr.Alok Kumar Jagadev, KIIT

Dr.S.Sibi Chakkaravarthy, VIT

Dr.Rashmi Agarwal, Manav Rachana

Dr. Pritee Parwekar, SRM

Dr. Siba K Udgata,HCU,Hyderabad

Dr.Mufti Mahmud,Nottingham Trent University, UK

Dr.Meenalosini Vimal Cruz,Keene State College,New Hampshire,USA

Dr.Garimella Rama Murthy,Prof,Mahindra École Centrale, Hyderabad

Dr.Rama Krishna Murthy, ANITS

Dr.Ravi Tomar,UPES,Dehradun

Along with them Dr V.Chandrasekar, Dr.S.Nagendra Prabhu, Dr.Mummorthy, Dr.Prasad, Dr Roopa Chandrika, Dr.D.Sujatha, Dr.S Shanti,Dr N.S.Gowri Ganesh coordinate the session chairs on behalf of MRCET.

At the end of each session Dr.Sujatha.HOD,CSE has thanked our session chair and appreciate the department coordinators in making the conference a grand success.







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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



FDP Report on “Big Data Analytics”

“Big Data Analytics” Faculty Development Programme for all the **faculty** of CSE, Industrialists, PG students and participant from various colleges which was conducted in MRCET campus for two days on **19/04/2019 and 20/04/2019** at CSE Seminar Hall.

Dr.VSK Reddy, Principal has inaugurated the new seminar hall for the department of CSE. Also he welcomed the participants and appreciated CSE department for taking the initiative to organize the event. He also encourages the current trending technology to be inculcated.

Prof. K Kailasa Rao, Director of CSE and Dean Placements addressed the gathering with his eminent speech about the data analytics and legacy applications. He also extended by the history of big data and the various analytic tools to deal the data.

Dr. D Sujatha, HOD, CSE one of the eminent speaker of the event who gave introduction on big data and the evolution of it. She also elaborated her speech on 5 V’s and made the participant to understand how this technology is grooming up in recent days.

Dr.E.Venkateshwar Reddy,Professor,CSE who is also one of the speakers of the event. He has more experience and knowledge on analyzing the big data. Also he extended his speech on Map reducing technique with a word count program and has given deep concepts on Hadoop followed by hands on session. He also trained the participants to work on HDFS and local system which was a great experience.

Mr.Venkat Ram,Industrialist,IBM who is the resource person for the second day of two days FDP. He explained about the machine learning concepts and gave a clear differentiation on analytics and analysis. He gave hands on session in R programming with detailed working on various commands and functions. Also he extended working on tableau which is used as a tool for effective data visualization.

At the end of two days FDP on “Big Data Analytics” participants learnt about map reducing technique, how to work on HDFS, working with R programming commands and data visualization techniques.

Dr.VSK Reddy, Principal gave his presence on valedictory function and distributed certificates to all the participants. Finally **Dr. D Sujatha, HOD, CSE** has expressed her gratitude towards the management for providing resources for two days FDP. Also extended thanking our Principal, Speaker, Coordinators and the participants for making this event a grand success.

Event co-ordinators: Dr.E.Venkateshwar Reddy, Mrs.M.Gayatri, Mrs.R Radha, Mr.Shyam, Mr.G.Ravi, Mr.Chandrasekhar, Mr.Sandeep, Mr.Samba Sivdu, Mr.Manoj Kumar, Mrs.Kalpana, Mrs.Arthi kumari, Mr.Shiva kumar, Mrs.R.Sujatha, Mrs.P.Honey Diana







MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
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EVENT: “ONE DAY WORKSHOP ON DATA SCIENCE USING R”

VENUE: CSE SEMINAR HALL

DATE: 05-01-2019

One day workshop was organized for third years of computer science and engineering students at CSE Seminar Hall. The aim of this workshop is to provide an intense training on R Programming. Around 200 students has participated in this workshop and showed their curiosity in learning current technologies.

Dr.VSK Reddy, Principal has formally inaugurated the workshop and encourages the student to inculcate themselves in current trending technology which is beyond from curriculum. He also advised them to concentrate more on academic and also insist to prepare for forth coming placements.

Dr. D Sujatha, HOD, CSE has insisted the student to grab more knowledge on R programming and also to make effective utilization on one day workshop.

Dr.E.Venkateshwar Reddy, Associate Professor, CSE, has been the speaker of this workshop. He started with an overview of why we use R language in data science. He elaborated his lecture by introducing R programming extends with its features and installation.

Also he delivered lecture on Variables, vectors, list, matrix, and functions on R programming. Students were made hands on in afternoon session.

At the end of session, Dr. D Sujatha, HOD, CSE got feedback from students and thank Dr.E.Venkateshwar Reddy, Associate Professor for giving a wonderful session in a short period of time. Also she motivated students to undergo research in data science which will help them to do their final year projects.



ONE DAY WORKSHOP ON DATA SCIENCE USING R PROGRAMMING





INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND SIGNAL PROCESSING

21/06/2019 and 22/06/2019

The seventh International conference on “**Soft Computing and Signal Processing**” was held in **MRCET** on 21 and 22 June 2019 which was organized by department of CSE&IT. The Conference was a significant event, bringing together 120 scholars from various countries in which the papers got published in SPRINGER. The conference added credit to the institution by the presence of eminent personalities like **Dr.Muralidhar Rangaswamy**, WPAFB, OH, USA, **Dr.Ganapati Panda**, IIT, Bhubaneswar, India, **Dr.Sanjay Sengupta**, CSIR, Delhi, India, **Dr. Shahrol Bin Mohamaddan** , UNIMAS, Malaysia, **Mr. U.Vidyasagar**, TCS, Hyderabad, India, **Dr.V N Mani**, Scientist ‘F’, CMET, India, **Dr.S Upendra Sastry**, Nodal Officer, Hindi Mahavidyalaya, India and the backbone of our Springer publication Chair **Dr Suresh Chandra Satapaty**. This conference gave a prestigious moment to MRCET and the souvenir has been launched by all the dignitaries on the dais.

Dr.V.S.K.Reddy, Principal , has welcomed chief guests ,authors from national and international wide to the two days international conference which sets a platform for the teaching community .He insist the faculty to get upgrade with the teaching skills and recent technology .He expressed her gratitude in thanking all the eminent person for their presence which makes the conference a grand success. He also feels proud in organizing four various international conferences at MRCET and also feels delight in association with Springer and Scopus indexed journals.

Dr.Murali Krishna, Dean Academics appreciated all the departments for conducting the four international conferences on various domains. He told MRCET is a very good platform for research scholars to grab and share knowledge. He also mentioned that the MRCET is known for Brand of Excellence in terms of Academic and placements. He appreciated the co-coordinators of four various conferences who spent almost three months time for choosing a quality papers for publication.

Dr.Sanjeeva Reddy, Director of ECE, Convener of Conference spoke about all the dignitaries and welcomed them formally. He gave a brief note on all the four conference, 1) International Conference on Soft Computing and Signal Processing (ICSCSP) which was conducted by the department of ECE,CSE &IT, 2) Emerging technologies in Mechanical Sciences (ICEMS) which was conducted by the department of Mechanical, 3)Strategies for

Business Excellence Challenges and Opportunities (ICSBE) which was organized by MBA and the fourth International conference on Aeronautics and Beyond (ICAB). As a convener he overwhelmed by the response of authors of various countries. He expressed his deep sense of gratitude to reputed personalities and to principal of MRCET **Dr.V.S.K.Reddy** for providing a platform for research scholars where they express their views, knowledge, and dissemination of technologies.

Dr.S.Srinivas, HOD of ECE, Organizing Secretary representing ICSCSP welcomed all the delegates and participants. He shared about the achievement of receiving 550 papers from various countries and shared his experience on selecting a quality papers for publishing. Finally he expressed his gratitude to the coordinators who finalized 93 papers for publishing.

Dr.Muralidhar Rangaswamy, WPAFB, OH, USA, who has been the keynote speaker of ICSCSP for the department of CSE & IT has delivered a keynote on Radar systems. He said about the current technologies, challenges and problems faced on fully adaptive radar systems. His speech was completely informative and at the end of his speech Dr.Sanjeeva Reddy, Director of ECE, Convener of Conference and Dr.S.Srinivas, HOD of ECE, Organizing Secretary of ICSCSP has put forth some queries and got solutions from our eminent speaker.

International Conference on Soft Computing and Signal Processing (ICSCSP) has received around 550 papers all over the world. In that CSE Department has received 140 papers and 69 have been scrutinized. On the day of conference 40 have presented their papers at MRCET and remaining 15 presented through skype.

We had the most prestigious personalities as our Session Chair for the two days International Conference who gave valuable suggestions to our Authors and they are Dr M Ramakrishna Murthy,ANITS, Visakhapatnam, Dr Janaki Ramaiah, PVP Sidhartha, Vijayawada, Dr.D.Sujatha, HOD of CSE and Dr. Dr.G.Sharada, HOD of IT

Dr.S.Shanthi and Dr.Chandrasekhar the coordinators of two days International Conference who put their great effort on scrutinizing papers and spent almost three months of time on that and also helped in organizing the event under the esteemed guidance of **Dr.D.Sujatha, HOD of CSE** and **Dr. Dr.G.Sharada, HOD of IT.**

At the end of two days International Conference **Dr.D.Sujatha, HOD of CSE** and **Dr.G.Sharada, HOD of IT** appreciated all the coordinators, teaching and non-teaching staff who directly and indirectly helped in the grand success of the event.





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on Campus Recruitment Training (CRT)

A two days CRT classes was held from 11th to 12th July 2019 at MRCET in CSE Seminar Hall which was conducted by T.I.M.E academy. Nearly 200 students of CSE third years attended these classes. The intention of this training program was to improve the communication skills and soft skills of the students. Also there were enough trained in the logical ability and vocabulary. Mr.Sharath , Ms.Shilpa , Ms.Joy Reddy are the trainers from the TIME Academy.

The topics covered in the CRT training program:

Day 1:

Verbal ability(Tenses)

Verbal ability (Nouns, Pronouns & Articles)

Verbal ability (Conjunctions ,Prepositions,Adverbs)

Reading comprehension, Basic communication skills

Day 2:

Time, distance & speed

Percentages

Profit & loss

Simple interest & compound interest

The CRT Training Program was interactive among the students and the trainers which made the students not to be bored. Also they were provided with work sheets where they practiced on the concern topics after the session was conducted. The students were very grateful to our beloved Principal Dr.V.S.K.Reddy Sir for facilitating the training sessions which were highly focused towards campus placements.





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)



A brief report on one week training “Microsoft Certification course on Machine Learning using Python” organized by the department of Computer Science and Engineering on Jan 28th to 2nd February 2019 for all III B.Tech Students.

One week training program on “**Machine Learning Using Python**” has been conducted with interactive hands-on sessions by the department of **Computer Science and Engineering** at Malla Reddy College of Engineering and Technology on **Jan 28th to 2nd February 2019** for all III B.Tech students.

Dr. V.S.K. Reddy, Principal, MRCET along with **Dr. D Sujatha, HOD, Department of CSE**, inaugurated the training session and motivated the students.

Dr. V.S.K. Reddy, Principal, MRCET, has motivated the students in learning current technologies which helps them in developing their coding skill sets. He always encourages the students to learn new technologies apart from their curriculum for their future benefits.

Dr. D Sujatha, HOD, Department of CSE, MRCET, formally welcomed the dignitaries and expert from **Cognitive creators Private Limited** in her opening address. She requested the students to pay eager attention to the training and emphasized upon the importance of learning new technologies and tools for the students.

The resource person **Mr. Gagandeep Thakur, Technical Director, Cognitive creators Private Limited** highlighted the importance of Machine learning and artificial intelligence with intensive hands-on sessions as well as the technical details of the workshop in his address.

Workshop coordinators - M. Samba Sivudu proposed the vote of thanks to all the dignitaries, guest and participants.

CONTENTS OF THE WORKSHOP

On 1st Day -Introduction of python was given and continued with its basics like Syntax of the program, data types, Arrays and Operators were explained and practically implemented by example programs. Students have been trained to install Anaconda, Jupyter which is an open source for python language.

On 2nd Day- Functions, Strings, loops using python was trained with hands on session.

On 3rd Day- Introduction to Machine Learning and Data Processing was introduced and the session was continued with some library functions and various regression algorithms.

On 4th Day-Explanation on Regression Models like Polynomial Regression and about the Data sets.

On 5th day- Explanation about Classifications algorithms and clustering algorithms like Logistic Regression, Naïve Bayes,. K-Nearest, Random Forest

On 6th Day- A case study was given to students in form of project on the above topics where students shown their ability in solving it. At the end of session an explanation on NLP was given to students.

At MRCET, we are sure that the students enhance their conceptual knowledge and harness their skills through continuous training and practice.













MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY



(Autonomous Institution – UGC, Govt. of India)

ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON MACHINE LEARNING & DEEP LEARNING

29/04/19 TO 04/05/19

One week faculty development programme on “Machine learning and Deep learning “was conducted by the department of CSE from 29th April to 5th May. More than 110 faculty members participated and gained more information with hands on session using Python.

Dr.VSK Reddy, Principal has inaugurated the one week FDP and invited our chief guest Dr.A.Govardhan, Rector, JNTU and thanked him for his presence. He also insists the faculties of various institutions to update ourselves with the newer technologies. Also he appreciated the FDP coordinators for taking the initiative to organize the event.

Dr.M.Murali Krishna, Dean of Academics, has appreciated CSE department to choose the topic on Machine learning and Deep learning. He said it is the right time to conduct this FDP which will be useful for faculties as it is introduced as a part of curriculum.

Prof. K Kailasa Rao, Director of CSE and Dean Placements addressed the gathering with his informative speech about the machine learning. He said that it is mandatory for a faculty to make continuous learning on current technologies where this platform makes the best and for better understanding hands on session is provided.

Dr. D Sujatha, HOD, CSE formally welcomes all the participants and the chief guest and thanked our Principal for accepting in organizing this one week FDP. She also elaborated on Machine learning and insists faculty members to use this opportunity and grab the knowledge.

Dr.Thamayaba Khatoun, Coordinator, has elaborated on the one week FDP with the topics to be covered on Machine learning and Deep learning. She also thanked our chief guest, Principal and HOD for giving her this opportunity in organizing one week FDP.

Mr.Srinivasulu Reddy, CEO,Sankalpa Software Solutions,Hyderabad who is the speaker for the first day of FDP. He explained about the machine learning concepts and also on Data analytics and Visualization. He elaborated on basics of numpy in python like list, tuple, Dictionary, looping, array, indentation with hands on session using python.

Mr.Kagandeeep Thakur, Technical Director, Cognitive Creators, was the resource person from the second day of FDP and also for next three days. His session was very much interesting and with full energy as he explained all the concepts with hands on session for all the four days. He has explained how to install Anaconda and how to work on Spyder environment during hands on. He also covered on Linear Regression and its types, Decision Trees & Random Forests, Support Vector Machines & Kernel SVM, Naïve bayes, K-Means Clustering, Principal Component Analysis & Kernel PCA. Also on the last day he covered on Natural Processing and Neural networks.

Prof. K Kailasa Rao, Director of CSE and Dean Placements gave his presence on valedictory function and distributed certificates to all the participants. Finally **Dr. D Sujatha, HOD, CSE** has expressed her gratitude towards the management for providing resources for one week FDP. Also she extended in thanking our Principal, Speaker, Coordinators and the participants for making this FDP a grand success.

Event co-ordinators: Dr.D.Sujatha, Dr.Thaaayaba Khatoon, Mrs.M.Gayatri, Mr.Samba Sivdu, Mr.Manoj Kumar, Mrs.Kalpana, Mrs.V.Suneetha, Mrs.Arthi kumari, Mr.Shiva kumar, Mrs.R.Sujatha.

Topics covered on five days

Day 1- Introduction to Python Programming

Python Environment set up, Python for Data Analysis-NumPy, Python for Data Analysis-Pandas, Python for Data Visualization-Seaborn, Python for Data Visualization-Plotly and Cufflinks

Day 2- Introduction to Machine Learning

Linear Regression, Multiple Linear Regressions, Polynomial regression, Logistic Regression, K-Nearest Neighbours

Day 3- Decision Trees & Random Forests, Support Vector Machines & Kernel SVM

Day 4- Naïve bayes, K-Means Clustering

Day 5- Principal Component Analysis & Kernel PCA, Linear Discriminant Analysis (LDA), Introduction on Natural Language Processing

Day 6- Neural Nets and Deep Learning

Tensorflow- Convolution neural network, Artificial neural network

KERAS

- Keras for Classification and Regression in Typical Data Science Problems
- ANN,CNN on KERAS







MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
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EVENT: “THREE DAYS WORKSHOP ON PYTHON & DATA SCIENCE”

VENUE: MAIN AUDITORIUM, LP LAB, CSE SEMINAR HALL

DATE: 28-01-2019 TO 30-01-2019

The workshop took a three days period which was organized for Second years of computer science and engineering students at Auditorium and in LP Laboratory. The motive of this workshop is to educate the students with the current technologies. During this workshop round 210 students has participated and got trained in developing python coding skills. This workshop was organized by Malla Reddy College of Engineering & Technology in association with “Swecha” which is an organization of a social movement that works towards enlightening the masses with the essence of Free Software and to liberate knowledge to the commoners.

Dr.VSK Reddy, Principal has inaugurated the workshop and insists students to take it in a serious manner. He also advised them to concentrate more in developing their coding skills. He also stated that placements all become online where all can grab the opportunity; also he boosted the students like if they are good at coding skills they will get at least of two offer letters from placements.

Dr. D Sujatha, HOD, CSE, welcomed and addressed the gathering. She told about the importance of Data Science and gave an overview on this three days workshop also she insists the students to grab knowledge on python.

Mr.Akhil, Web Developer at GSPANN has been the speaker of first day workshop. He started with an overview of C language and related with python. He elaborated his lecture by the basics like operators, strings, arrays, class, loops, and functions on python. Students were made hands on in afternoon session where they learn about the installation procedure and also informed how to work on free softwares.



Second day of workshop was handled by **Mr.Varun, Who works on Data Analytics & Visualization as a freelancer**. He told about the numpy and pandas in python. He also speaks on “Technology for Democracy” which was knowledgeable information.



Mr.Vaibhav jaiswal & Mr.Varun was the speaker's on third day of workshop which was held at CSE Seminar hall. He speaks about the history and usage of python. He detailed on the web application development and the companies who uses python. Also he elaborated on machine learning and python implementations.



At the end of session **Dr.D.Sujatha, HOD, CSE** gave concluding remarks about all the sessions of the Workshop. She also advised the students to make the best use of the opportunities available in the present days and appreciated the speakers for the wonderful hands on session and also the efforts of the organizers for the successful conduct of the workshop. She thanked our beloved principal **Dr.VSK Reddy Sir** for providing this astonishing opportunity for students.



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THIRD INTERNATIONAL CONFERENCE

(ICSCSP-2020)

ON SOFT COMPUTING AND SIGNAL PROCESSING **AUGUST 21-22, 2020**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAM SCHEDULE

21 AUGUST, 2020; 10.00-11.00 AM	INAUGURATION FUNCTION: ALL FACULTY MEMBERS
SESSION-ECE1A: 21 AUGUST, 2020; 11.00 AM-1.00 PM Chair Person 1: Dr Hushairi Bin Zen, Malaysia Chair Person 2: Dr S Srinivasa Rao Compiling: Mrs P Anitha Team Members: M Arun Kumar, T Srinivas	SESSION-ECE1B: 21 AUGUST, 2020; 11.00 AM-1.00 PM Chair Person 1: Dr Samrat L Sabat, HCU, Hyderabad Chair Person 2: Dr M Sucharitha Compiling: Mrs RenjuPanicker Team Members: M Ramanjaneyulu, R Chinna Rao
SESSION-ECE2A: 21 AUGUST, 2020; 2.00-4.00 PM Chair Person 1: Dr Ramakrishna Murthy, Vizag Chair Person 2: Dr S Sasikanth Compiling: Mrs S Rajani Team Members: KDK Ajay, KLN Prasad	SESSION-ECE2B: 21 AUGUST, 2020; 2.00-4.00 PM Chair Person 1: Dr Yu-Dong Chang, UK Chair Person 2: Dr N Subash Compiling: Mrs K Bhavana Team Members: T Srinivas, M Sreedhar Reddy
SESSION-ECE2C: 21 AUGUST, 2020; 2.00-4.00 PM Chair Person 1: Dr V Anil Kumar, IIIT, Hyderabad Chair Person 2: Dr B Jyothi Compiling: Mrs P.Anitha Team Members: Ch Kiran Kumar, Aniket Trivedi	Key Note Address: 21 AUGUST, 2020; Time: 4.00 PM
SESSION-ECE3A: 21 AUGUST, 2020; 4.30-6.00 PM Chair Person 1: Dr Muralidhar Rangaswamy, USA Chair Person 2: Prof P Sanjeeva Reddy Compiling: Mrs P Swetha Team Members: V Kiran Kumar, K Suresh	SESSION-ECE3B: 21 AUGUST, 2020; 4.30-6.00 PM Chair Person 1: Dr D Sridharan, AnnaUniversity Chair Person 2: Dr V M Senthil Kumar Compiling: Mrs M Anusha Team Members: k Narendra Reddy, N Suresh
SESSION-ECE4A: 22 AUGUST, 2020; 11.00 AM-1.00 PM Chair Person 1: Dr Bharat Gupta, NIT Patna Chair Person 2: Dr C Ravi Shankar Reddy Compiling: Ms D Asha Team Members: V Shiva Rajkumar, E Mahendar	VALEDICTORY FUNCTION: ALL FACULTY MEMBERS 22 AUGUST, 2020; 2.00-3.00 PM

Conference Chair : **Dr VSK Reddy, Principal**
Convener : **Prof P Sanjeeva Reddy, Director**
Organizing Secretary : **Dr S Srinivasa Rao, Head of the Department**
Coordinators : **Dr GS Naveen Kumar, Assoc.Professor ,**
Dr K Mallikarjuna Lingam, Assoc.Professor



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**TWO WEEKS ONLINE FACULTY DEVELOPMENT PROGRAMME
ON**

**EMBEDDED UVM OPEN SOURCE EMULATION
AND FUNCTIONAL VERIFICATION**

IN ASSOCIATION WITH

E & ICT ACADEMY, NIT PATNA

Supported By: MeitY, Government of India

13 – 24 JULY, 2020

- Chief Patron** : **Sri Ch Malla Reddy garu**, Chairman, MRGI Group
Patron : **Sri Ch Mahendar Reddy**, Secretary, MRGI Group
Sri Ch Bhadra Reddy, President, MRGI Group
Organizing Chair : **Dr VSK Reddy**, Principal
Convener : **Prof P Sanjeeva Reddy**, Director, ECE
Coordinator : **Dr S Srinivasa Rao**, Professor & Head, ECE
Lab Faculty : **Mr M Ramanjaneyulu**, Assoc.Prof, ECE
Mrs P Anitha, Assoc. Prof, ECE



PROGRAMME DETAILS

SPEAKERS:

Inaugural Speaker: Ms Dora Smith, Academic Program, Siemens, USA

Mr Devesh Dwivedi, Samsung Research Lab

Mr Anand Venkatachalem, Western Digital

Mr Ruchir Dixit, MD-Siemens-Mentor

Mr Israr Ahamed Sheik, Intel

Dr Gaurav Jalan, Founder CEO, SpicaWorks

Dr Virendra Singh, IITB

Dr Gaurav Trivedi, IITG

Target Beneficiaries: Faculty and PhD Scholars of Engineering/Technical Institutions are eligible to attend this course.

Course duration: Each course is designed as 3 credit equivalent for 35-40 hours (Theory Lectures, Hands-on/ Design orientation/Activity linked problems/Assignments Problem Solving/Case Studies sessions/Quiz Tests). The contact hours are to be spread over 10 days, implying NOT more than 3½ hours per day. No Registration fee is charged for attending this programme.

Note: Program is being offered by E&ICT Academy, NIT, Patna, ONLINE through WebEx platform and link for joining the program will be shared one day before and On behalf of MRCET Campus, Hyderabad, will provide e-certificate to all participants upon successful completion of FDP.

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSfwnFgy1qAjJ96n_enGQwhHDd_GhgAo4b8C4DEzigaynt7Okg/viewform?usp=sf_link

For More Details Contact: **Mr M Ramanjaneyulu, 9666664861**

LAST DATE FOR REGISTRATION: JULY 6, 2020.

Joint Online Faculty Development Programme

Embedded UVM open source Emulation & Functional Verification



Organized By
E & ICT Academy, NIT Patna

July 13 to July 24 , 2020

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Ministry of Electronics and Information Technology, MeitY, Govt. of India.

Academic Level Coordinators :

Dr. Sangeeta Singh NIT Patna
Email : sangeeta.singh@nitp.ac.in
Contact : 9479646111

Mr. Pankaj Kumar NIT Patna
Email : pankajjha@nitp.ac.in
Contact : 7004727085

About NIT Patna:

National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erst while Bihar College of Engineering Patna on 28/01/2004. The Institute imparts high level education training, research and development in science, engineering technology and humanities alongwith high quality education and values at UG, PG and Ph.D. level.

At present the Institute offers courses in six major technical disciplines viz. Architecture, Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg. and Mechanical Engg. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities and Social Sciences.

About E&ICT Academy NIT Patna:

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies of which, the academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic as well as specialized training programmes in niche areas of electronics and ICT for the development required knowledge base, skills and tools to equip the teaching community with better knowledge and understanding.

Contact Details: E & ICT Acacemy ,NIT Patna (office)

Website: <http://www.nitp.ac.in/ict/> Email: eictapatna@nitp.ac.in

Landline: 0612 - 237 1715 / 237 2715 (Ext: 344)

http://www.nitp.ac.in/ict/Contact_us.php

Speakers :

(i) Inaugural Speaker :

- Ms. Dora Smith
Academic program(USA), Siemens

(ii) Industry Expert :

- Mr. Puneet Goel
- Mr. Dinesh Gupta

(iii) Other Speakers-

- Mr. Devesh Dwivedi
(Samsung Research Lab)
- Mr. Anand Venkitachalam
(Western Digital)
- Mr. Ruchir Dixit
Managing Director (Siemens-Mentor)
- Mr. Israr Ahamed Sheikh (Intel),
- Mr. Gaurav Jalan, Founder & CEO of
- SpicaWorks (confirmation awaited)
- Dr. Virendra Singh, IITB (Awaited)
- Dr. Gaurav Trivedi, IITG

Course Contents :

- Introduction to Discrete Event Simulation Technology, Verilog, and Functional Verification, Getting acquainted with Simulation Tools.
- Data Communication in Hardware, Bus functional models, Types of Hardware Buses (Serial, Memory Mapped, Streaming), UVM report mechanism.
- Concepts of object-oriented programming, EUVM data types and program structure.
- UVM Phasing and Objection mechanisms, TLM ,OOP Design Patterns (Template and Strategy)
- Advanced UVM Concepts – Factory, Callbacks – OOP Design Patterns (Factory and Observer), Concepts of SoC Verification.

Course Fee

Certification Fee:-

Faculty/ PhD Scholar = **Rs.500/-**

(SC/ST = **Rs. 250/-**)

Others (Except Faculty/PhD-Scholar): **1000/-**

(SC/ST = **Rs. 500/-**)

Online payment details :-

Bank Name: Allahabad Bank

Account Name: NIT Patna

Account No.: **50380476798**

IFSC Code: **ALLA0212286**

Link for registration :

<https://forms.gle/J3SM9eaTTesnQkxh6>

Contact Details: E & ICT Acacemy ,NIT Patna (office)

Website: <http://www.nitp.ac.in/ict/> Email: eictapatna@nitp.ac.in

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 Setup Under Scheme of Department of Electronics and Information Technology
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- Dr. Gaurav Trivedi, IIT Guwahati

Co-Principal Coordinator

- :
- Dr. Lava Bhargava, MNIT Jaipur

Academy Level Coordinator:

Dr. Sangeeta Singh, NIT Patna

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Mr. Pankaj Kumar, NIT Patna

Email: pankajjha@nitp.ac.in (mailto:pankajjha@nitp.ac.in)

Contact: 7004727085 (tel:7004727085)

Course Fee Details:

Academic (student/faculty): **500 INR (GEN/OBC) / 250 INR (SC/ST)**

Industry People/Others : **1000 INR/ 500INR (SC/ST)**

Payment Details:

Bank Name: Allahabad Bank

Account Name: NIT Patna

Account No.: 50380476798

IFSC Code: ALLA0212286

Resource Persons:

Inaugural Speaker- Ms. Dora Smith (Academic program(USA), Siemens);

Other Speakers- Mr. Devesh Dwivedi (Samsung Research Lab); Mr. Anand Venkitachalam (Western Digital), Mr. Ruchir Dixit (Managing Director Siemens-Mentor); Mr. Israr Ahamed Sheikh (Intel), Mr. Gaurav Jalan, Founder CEO, SpicaWorks (confirmation awaited), Dr. Virendra Singh, IITB (Awaited), Dr. Gaurav Trivedi, IITG

Industry Mr. Puneet Goel and Mr. Dinesh Gupta

Course contents:

S.No.	Topics
1	Introduction to Discrete Event Simulation Technology, Verilog, and Functional Verification, Getting acquainted with Simulation Tools
2	Data Communication in Hardware, Bus functional models, types of Hardware Buses (Serial, Memory Mapped, Streaming), UVM report mechanism
3	Concepts of object-oriented programming, EUVM data types and program structure
4	UVM Phasing and Objection mechanisms, TLM ,OOP Design Patterns (Template and Strategy)
5	Advanced UVM Concepts – Factory, Callbacks – OOP Design Patterns (Factory and Observer), Concepts of SoC Verification

Core Team Members, E&ICT Academy, NIT Patna:

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Dr. MP Singh (Co-CI E&ICT Academy,NIT Patna)

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Website: <http://www.nitp.ac.in/ict/index.php>

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Certificate

E **8** **C**

This is to certify that
Dr. S Srinivasa Rao

Mr./Ms./Dr.
of **Malla Reddy College of Engineering and Technology**
has attended in a two-week Online Faculty Development Programme on “**Embedded UVM open source Emulation & Functional Verification**” jointly organised by Electronics and ICT Academies held from **13-24 July 2020** under the “**Scheme of financial assistance for setting up of Electronics and ICT Academies**” of the **Ministry of Electronics and Information Technology (MeitY), Government of India.**

Dr. Gaurav Trivedi
Principal Coordinator and Co-PI, E&ICT Academy
Indian Institute of Technology Guwahati
Assam

Dr. Bhargav Lava
Co-Principal Coordinator
MNIT Jaipur
Rajasthan

Dr. Sangeeta Singh
Academy Level coordinator
NIT Patna
Bihar

Mr. Pankaj Kumar
Academy Level coordinator
NIT Patna
Bihar



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PROGRAM SCHEDULE

S.NO	TIME SLOT	TOPIC	RESOURCE PERSON
1	10.00-10.10 AM	Inauguration & Keynote address	Dr VSK Reddy
2	10.10-10.30 AM	Online Teaching and Learning Tools-Its Features	Dr D Sujatha
3	10.30-10.50 AM	Live Class Room Environment	Dr M Amarnadha Reddy
4	10.50-11.10 AM	Developing an Effective Online Lecture	Dr S Srinivasa Rao
5	11.10-11.20 AM	Tea Break (Self)	
5	11.20-11.40 AM	Content Reaching Mechanism/Techniques	Dr VSK Reddy
6	11.40-12.00 NOON	Evaluation and Assessment of Online Teaching	Dr V Madhusudhan Reddy

Dr GS NAVEEN KUMAR
COORDINATOR

Dr S SRINIVASA RAO
ORGANIZING SECRETARY

Dr VSK REDDY
CONVENER

MRCET CAMPUS
www.mrcet.ac.in





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade, ISO 9001:2008 Certified)

Maisammaguda, Dhulapally, Secunderabad – 500100.

SUMMER FDP ON “VLSI CHIP DESIGN HANDS-ON USING OPEN SOURCE EDA”

DECEMBER 16– 20, 2019

Jointly organized by: Electronics & ICT Academies at IIT Guwahati, IIITDM Jabalpur, MNIT Jaipur, NIT Patna, IIT Roorkee & NIT Warangal

The Department Of ECE, as a Remote Centre has organized a one Week Workshop On “**VLSI CHIP DESIGN HANDS-ON USING OPEN SOURCE EDA**” jointly organized by: Electronics & ICT Academies at IIT Guwahati, IIITDM Jabalpur, MNIT Jaipur, NIT Patna, IIT Roorkee & NIT Warangal **from** December 16-20 2019 for Faculty Members, Research Scholars, Industrial Professionals & PG Students.

1.Objective of the Workshop:

The aim of the Workshop is to provide hands on experience using Open Source EDA tools and gain an in-depth knowledge of SOC design and aim at complete chip integration.

Highlights

- To study the open-source EDA tool installation steps and review RISC-V SoC picoSoC
- To understand importance and good vs bad floorplan and introduction to library cells
Open-source EDA installation
- To design and characterize one library cells using Magic and ngspice
- To do pre-layout static timing analysis and understand the importance of good clock tree
- To understand full-chip integration steps and implement E31 RISC-V design using open-source EDA tool- chain

2.Schedule

Day 1:

Morning Session:

- Brief introduction RISC-V ISA
- Overview of RISC-V based micro-processor and its related SoC
- Overview of QFN48 package, pads, macros and memory in MAGIC
- Idea of chip-planning, aspect ratio, utilization factor, power planning, decoupling capacitor, pads/memory and macro placement

Afternoon Session:

- Practical Session 1: Open-source EDA Installation Review

Day 2:

Morning Session:

- Pros and cons of good-bad floorplan
- Introduction to lab to create floorplan for small design, which will be covered in detail on Day 4)
- System-on-Chip (SoC) planning and design concepts overview
- Physical design overview
- Why Libraries are called the soul and heart of semi-conductor industry?
- Standard cells library overview

Afternoon Session:

Practical Session 02 continued

- To study various components of RISC- V microprocessor based SoC and review all components using MAGIC Layout tool
- Quiz

Day 3:

Morning Session:

- Art of layout – Stick diagram + Euler's path using MAGIC
- Characterization of important parameters using ngSPICE
- Introduction to 16-Mask CMOS process and its significance to chip design flow

- Logic synthesis and high fanout net synthesis interactive tutorial using Yosys opensource synthesis tool

Afternoon Session:

- **Practical Session 03**

To do pre-layout timing analysis of SoC using OpenSTA, chip planning using MAGIC

Day 4:

Morning Session:

- Introduction to static timing analysis and the related Industry standard reporting formats
- Pre-layout timing analysis of a design using OpenSTA opensource STA tool, which includes setup timing analysis for reg2reg and IO
- Introduction to clock tree synthesis (CTS) and its related checks viz. skew, latency, pulse-width, duty cycle
- Placement/Routing/CTS of a design using qflow opensource RTL2GDS tool
- Perform CTS quality and routing quality checks using OpenSTA

Afternoon Session:

- **Practical Session 04:** To do block-level placement/routing using qflow RTL2GDS opensource EDA toolchain., and perform sign-off checks
- **Quiz**

Day 5:

Morning Session:

- Full chip integration using MAGIC for a design with blocks and pads.
- Revise floorplan from Day 2
- Populate layout from library manager in MAGIC, select digital core block and additional pads
- Arrange pads and create a pad-frame hierarchy
- Project work using SiFive E31 RISC-V design blocks

Afternoon Session:

Practical Session 05

- To perform post-layout timing analysis using OpenSTA and project work on SiFive E31 RISCv core
- Lab Evaluation and Manual Submission

Note:

1. Morning session is from 9:00am to 1pm with a tea break from 11.00 to 1.15 am.
2. Afternoon session is from 2:00pm to 6.15 pm with a tea break of 15 minutes from 4:00pm to 4.15 pm
3. The Workshop was inaugurated by the **Principal, Dr VSK Reddy garu**, along with **HOD of ECE, Dr S.Srinivasa Rao garu**, the Remote Center Coordinator. About 68 Faculty Members have registered for the workshop and the coordinators from the Faculty are Mrs.P. Anitha, Mr. Arun Kumar, Mrs.M. Anusha, Mr.K. Suresh, M. Ramanjaneyulu and M. Anantha Guptha.

3.PHOTO GALLERY







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Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad – 500100

DEPARTMENT OF INFORMATION TECHNOLOGY



AICTE SPONSORED FACULTY DEVELOPMENT PROGRAMME (FDP)

On

RECENT ADVANCES IN BIG DATA ANALYTICS OF IOT-DEVICES USING FOG COMPUTING

March 5th to 10th 2020

Organized By,

DEPARTMENT OF INFORMATION TECHNOLOGY



Venue:

Malla Reddy College of Engineering & Technology (MRCET CAMPUS)

(Autonomous Institutions- UGC, Govt. of India)

Maisammaguda, Medchal, Hyderabad - 500100

AICTE FACULTY DEVELOPMENT PROGRAMME

ON

**RECENT ADVANCES IN BIG DATA ANALYTICS OF IOT-DEVICES USING
FOG COMPUTING**

05th – 10th MARCH, 2020



www.mrcet.com

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
**AICTE FDP ON RECENT ADVANCES IN BIG DATA ANALYTICS OF IOT-
DEVICES USING FOG COMPUTING**

March 5th to 10th 2020

REPORT

The “AICTE FDP ON RECENT ADVANCES IN BIG DATA ANALYTICS OF IOT-DEVICES USING FOG COMPUTING” was conducted by the Department of Information Technology between 05th -10th March, 2020.

AICTE has approved a scheme to conduct the Faculty Development Programme (FDP) which intends to provide financial assistance to facilitate up-gradation of knowledge, skill and intends to provide opportunities for induction training to teachers employed in disciplines of Engineering & Technology and others. The scheme is designed to enhance the teaching and other skills of the faculty. And to make them aware about modern teaching tools and methodologies. It provide an opportunity to acquire knowledge about current technological developments in relevant fields.

About FDP

Fog Computing supports emerging Internet of Everything (IoE) applications that demand real-time/predictable latency (industrial automation, transportation, networks of sensors and actuators). In FOG computing, big data analytics happens very close to the IoT devices and sensors. Hadoop, Spark and Openstack are all announced to run on ARM by AMD, Data Centers, and other institutes or individuals. Fog computing thus can also speed up the analysis process, allowing decision makers to take action on insights faster than before. This novel approach of computing offers ample scope for analysis and research domains and also provides a new direction for business organizations to improvise their existing systems

Objective of FDP:

- The central objective of this FDP is to portray the prospects of Fog Computing with due focus on the role it will play in emerging technologies.
- The programme aims at enriching the learning and teaching skills of faculty in advanced concepts of Cloud Computing, Big Data Analytics, IOT devices and Edge Computing.
- Through the various use case scenarios and hands-on sessions, participants will also gain practical knowledge of the concepts.
- This FDP is aimed at discussing some of the pertinent research issues and solutions proposed.

The details of the AICTE FDP offered in March 2020 :

The inauguration of the seminar was attended by our beloved Director Dr. V.S.K.Reddy sir , principal Dr. Srinivasa Rao Sir, Dean placements Prof. Kailasa Rao sir, Director Research Sesha Talpa Sai Sir, Head of the Department CSE Dr.D.Sujatha mam. The participants registered from various institutes

shown their interest to listen to these topics. Faculties from various institutes, research scholars, Software engineer from IT industry had registered in this FDP.

The participants had actively interacted with the speakers at the end of each session. It showed that the FDP had clearly met its objective listed above. The FDP had received the participant's positive feedback regarding the sequence of topics, speakers and to conduct many such programs. On the final day the participants had attempted a test.

PHOTO GALLERY



Photo 1 Inauguration and release of FDP poster by the dignitaries from left to right: Dr.G.Sharada, coordinator(Director and HOD-IT), Dr. Sesa Talpa Sai, Director, Research, Dr. Rajaswar Reddy, Administrative officer, Dr. V.S.K.Reddy, Director, Prof.KailasaRao, Director-CSE, Dr. Srinivasa Rao, Principal



Photo 2 Inaugural of FDP with Principal Dr. Srinivasa Rao Sir, Dr. V.S.K.Reddy, Director, Dr. G.Sharada, Coordinator FDP



Photo 3 Participants listening to the session



Photo 4 Participants listening to the session



ONE WEEK CRASH COURSE

On

Innovation and Entrepreneurship

June 4th to 11th, 2020

Malla Reddy College of Engineering & Technology (MRCET CAMPUS)
(Autonomous Institutions- UGC, Govt. of India)



Venue:

Malla Reddy College of Engineering & Technology (MRCET CAMPUS)
(Autonomous Institutions- UGC, Govt. of India)
Maisammaguda, Medchal, Hyderabad - 500100

One Week crash course on innovation and Entrepreneurial Process 04/06/2020 to 11/06/2020

One week Programme Entrepreneurial Process was conducted in MRCET campus for one week on 04/06/2020 to 11/06/2020 at Seminar Hall. This programme was inaugurated by **Dr.VSK Reddy, Principal, MRCET**, who welcomed the participants and appreciated IT department for organizing the hands on training programme on the entrepreneurial process and also appreciated Dr. G.Sharada, HOD,IT, for Organising programme.

Dr.Murali Krishna, Dean of Academics, MRCET, has appreciated IT department for conducting such a Hands on Training Programme where students and faculty can get exposure to the current technologies. He also stated about the opportunities available on this area with some applications.

Prof. K Kailasa Rao, Director of CSE and Dean placements, addressed the students, faculty and various other college participants with his technological speech. He also elaborated his view on entrepreneurial evolved.

There is considerable predominance in the adoption of perspectives based on characteristics in

research into entrepreneurship. However, most studies describe the entrepreneur from a static or snapshot approach; very few adopt a dynamic perspective. The aim of this study is to contribute to the enhancement of knowledge concerning entrepreneurial process dynamics through an understanding of the values, characteristics and actions of the entrepreneur over time. By focusing on personal attributes, we have developed a framework that shows the importance of affective and cognitive aspects of entrepreneurs and the way that they evolve during the development of their business.

Dr. G.Sharada, HOD, IT, formally addressed and welcomes the gathering. She gave a detail note on this One Day entrepreneurial process schedule. She also insists the participants to utilize the opportunity in gaining the knowledge on entrepreneurial process.

At the end of the seminar the participants learnt about the Entrepreneurial Process development. Finally on valedictory Dr.VSK Reddy, Principal, MRCET, **Dr.Murali Krishna, Dean of Academics, MRCET, Prof. K Kailasa Rao, Director of CSE and Dean placements, Dr. G.Sharada, HOD, IT** distributed certificates to all the participants and at the end **Dr. G.Sharada, HOD, IT** thank our principal and all the coordinators who made this Entrepreneurial Process Programme on grand success.


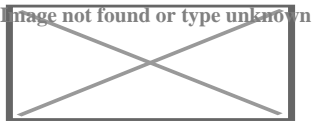


Student Participants:	50	Faculty Participants:	2
Expenditure Amount, If any:		Remark:	NA

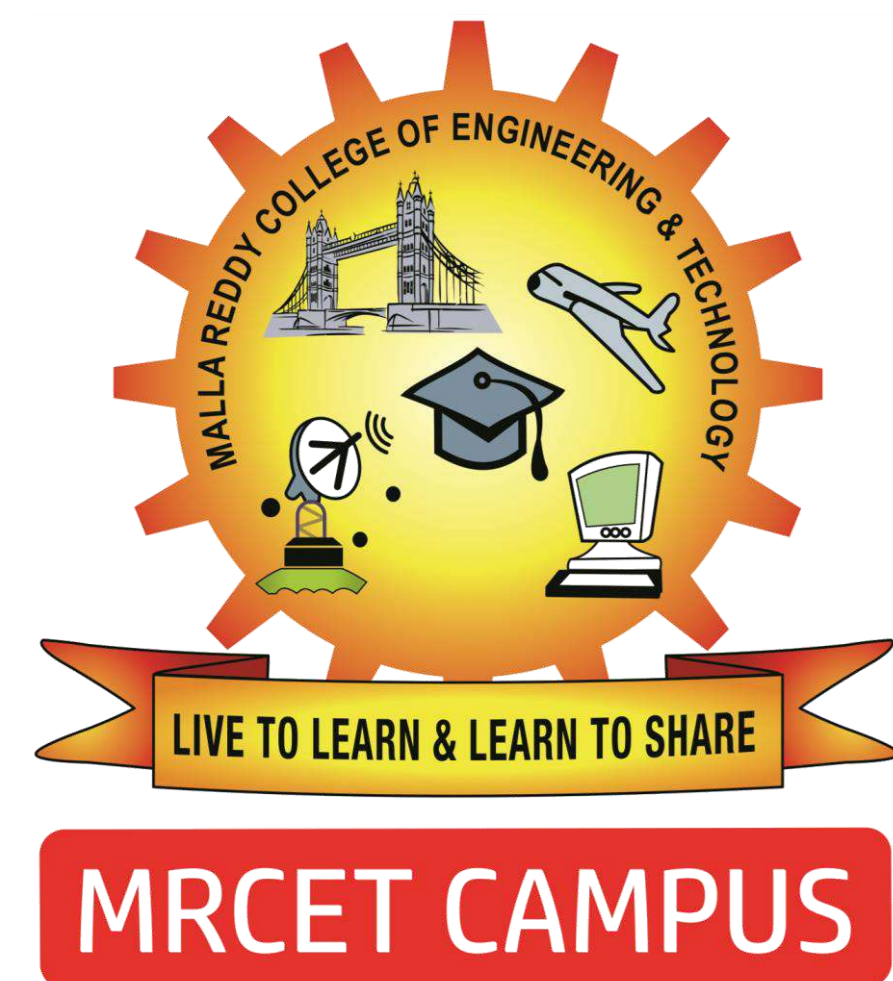
STAR PERFORMER

Faculty:	NA	Student:	C Rajeeth
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ATTACHMENTS

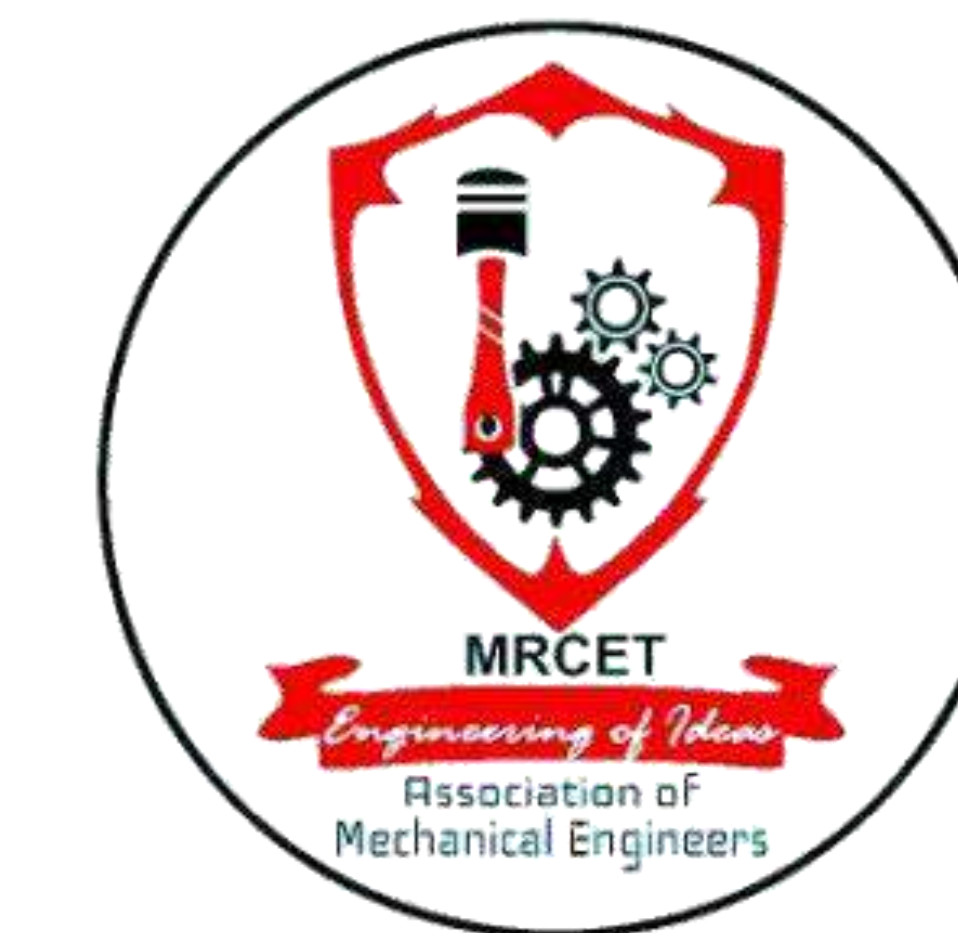
Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

This report is electronically generated against report submitted on Institution's Innovation Council Portal.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

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FACULTY DEVELOPMENT PROGRAMME

ON

**AUTOMATION FOR SMART INDUSTRY &
MANUFACTURING**

DECEMBER 5-7, 2019

**CENTRE OF EXCELLENCE IN AUTOMATION & CONTROL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING**

Registration Form
FACULTY DEVELOPMENT PROGRAM
ON
AUTOMATION FOR SMART
INDUSTRY & MANUFACTURING
December 5-7, 2019

Name:

Designation:.....

Department:.....

Institution:.....

Address:.....

.....

PIN:.....

Phone:

E-mail:

Registration Fee: **Rs. 500/-**

Date:

Place:

Signature of Head of the Institution
(Office seal)

ONLINE REGISTRATION & PAYMENT



☎+91-80191 00304/ +91-95505 28242
✉ iipcme@mrct.ac.in

About MRCET:

Malla Reddy College of Engineering & Technology (**MRCET**) is an UGC autonomous Institution, accredited by NAAC with A grade UGC, Govt. of India, approved by AICTE, New Delhi, affiliated to JNTU, Hyderabad and is also recognized under UGC 2f & 12(B) Status. MRCET is offering UG and PG Courses in the areas of CSE, ECE, IT, EEE, ME, ANE and MBA, while the courses were accredited by NBA. MRCET is equipped with state-of-art laboratories, Startups & TBI to cater to the today's requirement of industry and centers of excellence for the students to expose in fifth generation technologies to match with industry need.

The Department of Mechanical Engineering was established with a motto of preparing the students to meet the challenges of Mechanical, Automation and Automobile industry. The department is offering UG course in Mechanical Engineering of intake 180, and PG in Machine design and Thermal Engineering. The department has state-of-art laboratories, Center for Innovation, Centre of Excellence in Automation & Control Engineering, and Centre of Excellence in Engineering Design to cater to the today's requirement of industry. The MOU's and collaborations with many professional societies such as SAE, EWB, MSME, and ISTE were initiated to impart innovative knowledge in the academic fraternity. Also, the professional skills are being strengthened by periodical conduct of activities like workshops, seminars and Springer Conferences -ICIMES.

FACULTY DEVELOPMENT PROGRAM
ON
AUTOMATION FOR SMART
INDUSTRY& MANUFACTURING



December 5-7, 2019



CENTER OF EXCELLENCE IN
AUTOMATION & CONTROL ENGINEERING
Department of Mechanical Engineering
MALLA REDDY COLLEGE OF
ENGINEERING & TECHNOLOGY
UGC Autonomous Institution
Secunderabad- 500100, Telangana, India.
www.mrcet.ac.in

About FDP

The FDP on 'Automation for Smart Industry & Manufacturing' is designed as an interactive program is to fulfill the gap between the industries and academic institutes in the field of automation and Smart Industry. This will involve study and use of PLC, IoT, AR& Motor Drives that are part of contemporary automation technologies and applications. The impact of IoT on AR & VR is adding new dimensions in the space of innovation and research.

The experts from leading automation Industries will be contributing in the FDP sessions with their valuable industrial insights. The program will also cover rich case studies and field visits. Hands on training will be provided on IoT, PLC, AR and VR Technologies. The FDP will ignite the minds to further pursue research and development in the field of automation and Smart Industry & Manufacturing.

Program Objectives

1. To provide knowledge of the latest state of art of technology like IoT, Augmented & Virtual Reality in automation.
 2. To highlight the opportunities in smart Industry & manufacturing.
 3. To provide the participant latest know-how on industry 4.0 and what it takes to implement it for a SME manufacturer.
-

Key areas

Teaching and learning is an important process in academic institutions. This FDP focuses on:

- ✓ Recent trends in Industrial process automation
- ✓ Evolution of Industrial Automation & Control Mechanisms
- ✓ Motor Drives/Sensors
- ✓ IoT, AR & VR for Smart Industry & Manufacturing
- ✓ Simulation and software-based training on design of classical and advanced controllers
- ✓ Case Studies in Smart Industry & Manufacturing

Session Speakers

Highly experienced and Working professionals Recourse persons from Industries and research centers will present the topics in the sessions.

Dr. G. Chandra Mohan Reddy, CBIT

Mr. Sandeep Arora, Verizon India Ltd.

Mr. M Manoharan, Automation Solutions

Mr. Praveen Kumar, Aztec Automation

Mr. Vidyasagar Uddagiri, TCS

Mr. Vinay Kumar, Adroitec Engineering Solutions


Mr. Kishore Kotti, Adroitec Engineering Solutions

Mr. M Ramana Rao, SMC Corporation Pvt. Ltd.

Eligibility

Faculties, Research scholars, Working Executives and PG students looking to expand their knowledge in the area of automation

FDP Dates, Registration & Venue

 **December 5-7, 2019**

Registration fee: **Rs 500/-**

(Kit, Lunch and Refreshments)



APJ Abdul Kalam Seminar Hall,
Dept. of Mech Engineering, MRCET
Campus.

Chief Patrons

Sri.CH.Malla Reddy, Chairman, MRGI
Sri.CH.Mahender Reddy, Secretary MRGI

Patron

Dr. V.S.K Reddy, Principal

Convener

Dr. A.N.R Reddy, Professor & HOD

Coordinators

Dr. B. Jain A R Tony
Mr. M. Harish
Mr. A.L.S Brahma Reddy

Organizing committee

Dr. M. Murali Krishna, Dean Academics
Dr. P.H.V SeshatAlpa Sai, Director R&D
Dr. P. Srikar
Dr. T Lokeswara Rao
Dr. T. Siva Kumar
Dr. G. Trisekhar Reddy
Mr. D. Damodar Reddy



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Secunderabad – 500100, Telangana, India.

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DEPARTMENT OF MECHANICAL ENGINEERING

To

The Principal / Director / HOD

Dear Sir / Madam,

Sub: Request for delegating faculty members for Three-day **FDP on 'Automation for Smart Industry & Manufacturing'** scheduled on December 5-7, 2019 at MRCET Campus – Reg.

We are glad to inform you that Department of Mechanical Engineering, Malla Reddy College of Engineering and Technology, is organizing a three-day Faculty Development Programme on “Automation for Smart Industry & Manufacturing” during December 5-7, 2019. The highlight of the FDP is to provide knowledge and hands on training in the state-of-art technology like IoT, Augmented & Virtual Reality applications in Industrial automation and Manufacturing.

You are cordially invited to attend the FDP and request you to depute faculty members and scholars from your institute. Kindly display and circulate this invitation letter and enclosed brochure amongst your colleagues, department and the organization as well.

For more details and registration, please refer to the attached brochure. We look forward for your consideration and participation.

Thank You

With Kindest Regards and Profound Respect

Dr. VSK Reddy
Principal



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY DEVELOPMENT PROGRAMME ON AUTOMATION FOR SMART INDUSTRY & MANUFACTURING

DECEMBER 5-7, 2019

	SESSION	TOPIC	PRESENTER
2019 ,December 5 : Day 1	Session I 09.45 AM - 11.30 AM	INAUGURAL Principles and an overview of Automation in Manufacturing	Dr. G. Chandra Mohan Reddy, Professor of Mechanical Engineering, CBIT, Hyderabad, Telangana, India.
	Session II 11.45 AM - 01.00 PM	5G Technology - Industry Automation	Mr. Sandeep Arora, Associate Director, Verizon India Ltd. Hyderabad, Telangana, India.
	Lunch		
	Session III 1.45 PM - 3.45 PM	Present scenario in Industrial Automation and Different types of control mechanism	Mr. M. Manoharan, CEO, Automation Solutions, Hyderabad, Telangana, India.

Day 2: December 6, 2019	SESSION	TOPIC	PRESENTER
	<i>Session I</i> 09.45 AM - 11.15 AM	PLC and SCADA in Industrial Automation	Mr. Praveen Kumar, Senior Manager, Aztec Automation, Hyderabad, Telangana, India.
	<i>Session II</i> 11.30 AM - 01.00 PM	Connected Manufacturing – Concepts and Case Studies	Mr. Vidyasagar Uddagiri, Automotive & Industrial Unit - TCS, Hyderabad, Telangana, India.
	<i>Lunch</i>		
	<i>Session III</i> 1.45 PM - 3.45 PM	AR & VR Technologies in Automation	Mr. Vinay Kumar Kotti, Senior Application Specialist, Adroitec Engineering Solutions, Hyderabad, Telangana, India.

Day 3: December 7, 2019	SESSION	TOPIC	PRESENTER
	<i>Session I</i> 09.45 AM - 11.15 AM	Smart Connected Operations using IIoT	Mr. Kishore Kotta Sr. Manager Projects and Trainings Adroitec Engineering solutions, Hyderabad, Telangana, India.
	<i>Session II</i> 11.30 AM - 01.00 PM	Case Studies on Smart Connected Operations using IIoT	Mr. P.V Ramana Rao Manager, SMC Corporation India Pvt. Ltd. Hyderabad, Telangana, India
	<i>Lunch</i>		
	<i>Session III</i> 1.45 PM - 3.45 PM	IR, RF, Pneumatic and Hydraulic drives for Industrial Automation - Case Studies	





Trainer Profile summary

Designation:	Sr. Application Specialist	
Key Responsibility:	Post Sale Support, Training, and Technical support to Key Customers	
Location:	Hyderabad	
Education:	✓ Intermediate from Board of Intermediate Education, A.P. with an aggregate of 78.7% ✓ B.Tech , from BITS, Visakhapatnam, with an aggregate of 73%	
Domain Expertise:	✓ Projects ✓ CAD Training ✓ Project Management & Delivery ✓ CAD Assessment and Certification ✓ Technical publications ✓ Product Illustration ✓ Application Engineering	
Certifications	✓ Project Management	Trainer
	✓ Primavera P6	Oracle/Adroitec/trainer
	✓ Creo Illustrate	PTC Certified
	✓ Arbortext	PTC Certified
	✓ Creo Piping and cabling	PTC Certified
Key Customers projects Supported:	✓ Goldstone ✓ BHEL ✓ Buildmate Projects ✓ CIM Technologies ✓ India Nippon Electrical Limited ✓ Data Patterns India Pvt. Ltd. ✓ Ottomate Fans Pvt.ltd	



Relevant Training's:	<ul style="list-style-type: none">✓ Defence Research and Development Organization (DRDO)✓ Vasavi College of Engineering✓ K.L University✓ L&T Valves✓ National Institute of Technical Teachers' Training and Research (NITTTR)✓ RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS
Professional Experience:	<ul style="list-style-type: none">✓ Larsen and Toubro Limited, Visakhapatnam<ul style="list-style-type: none">○ Assistant Project Engineer (2 Years)✓ ADROITEC ENGINEERING SOLUTIONS PRIVATE LIMITED, SECUNDERABAD<ul style="list-style-type: none">○ Sr. Application Specialist (5 Years)

Sandeep Arora heads Verizon India's cloud services, platform engineering and tech community practices.

He is an alumnus of IIT Kanpur and passionate about leveraging emerging technologies for enterprise transformation.





adroitec

Kishore Kotta

Designation	Sr. Application Engineer
Key Responsibilities	Technical publication Projects, Trainings, Course Curriculum design, Presales
Location	Hyderabad
Education	B.Tech Mechanical Engineering, JNTU Hyderabad M.E Machine Design, G.I.T.A.M, Visakhapatnam
Domain Expertise	Design of Machine elements Finite Element Analysis CAD Training and Adoptions Design of Course curriculum and Learning / Training content CAD Assessment and Certification
Key Trainings	DRDL, Hyderabad RCI, Hyderabad BEML Bangalore, Mysore and KGF
Professional Experience	4 years as Design Engineer at IGIAT Visakhapatnam 3 years as CAD Trainer in Raghu Engg College, Visakhapatnam 4 years+ as Application Engineer at Adroitec Engineering Solutions

Adroitec Engineering Solutions Private Limited

Delhi Office: A-417 B, New Ashok Nagar, Delhi – 110096

Registered Office: A-24 Retreat Apartment, 20 IP Extension, Patparganj Delhi 110092

Corporate/Correspondence Office: C-130, Sector - 2 Noida - 201 301 (U.P)

Tel: 0120-4864300 Fax: 0120-4864333

Email: info@adroitecinfo.com

www.adroitecengg.com

CIN - U72200DL2011PTC216900

Chandra Mohan Reddy G., (b 1967)
B.Tech, M.Tech., Ph.D, FIE, CE
Professor of Mechanical Engineering,
CBIT (Rank 100-NIRF 2019)
Gandipet, Hyderabad – 500075.

Life Mem ASME, IEEE, AeSI, ISTE, ISME & TSI.
Former Principal - MGIT 2009-18
Past Hon Secretary IEI APSC 2006-08
9392493845, gcmreddy_04@yahoo.com

Dr. G. Chandra Mohan Reddy, presently working as Professor of Mechanical Engineering in CBIT, obtained B.Tech in Mechanical Engineering from KITS Warangal, M.Tech in Machine Tools from REC Warangal and Ph.D from OU Hyd. He started his career as Assistant Professor in MJCET in 1991 and joined CBIT in 1992. He became Associate Professor in 1996 and Professor in 2003. He served as Principal of MGIT on deputation during 2009-2018 and contributed immensely for the expansion of UG&PG programs and obtained NBA, NAAC and UGC recognitions to MGIT. He has 28 years of experience in teaching/training/research/administration. He has published over 115 research papers in National and International Journals and Conferences of repute and has successfully completed many research projects. He has guided Six Ph.D. Scholars and Two Scholars submitted their thesis recently and currently guiding Ten Scholars. He is a key resource person/coordinator/chairman/organizing secretary for 49 Conferences/ Seminars/ STTPs/ Workshops/ FDPs/ Conventions and delivered 58 keynote /invited talks /guest lectures. He was the Chief and Principal Investigator for 04 Research and Consultancy Projects.

Dr Reddy is the recipient of Young Engineer of the Year award-1999; Best Principal Investigator (Excellent Grade-A) from AICTE- New Delhi 2002; Distinguished Alumnus award from KITS Warangal 2007; Best Technical paper presentation award 2008, IEI APSC Hyderabad; Engineer of the Year Award-2009; Jewel of India by ISC, New Delhi- 2011; Eminent Educationist Award from International Institute of Education & Management, NEWDELHI 2011; Railway Board's 1st Prize for best paper at 27th Indian Engineering Congress held at Vigyan Bhavan, New Delhi 2012; ISTE Best Chapter Award 2012; Best Engineering College Principal Award-2012; ISTE Best Student Chapter Award 2014; Felicitated by LIONS CLUB INTERNATIONAL on the Occasion of Teachers' Day at IEI Khairathabad in Sept 2015; Best Paper for the category of Best Presentation/Best Content at the ASAR International conference 2016; Felicitated by Dept of Mechanical Engg, NIT Warangal on 7th Oct 2016 at their Golden Jubilee Celebrations of PG Program on Machine Tools; Felicitated by IEI Khairathabad in Sept 2017 on Teachers' Day.

Dr G Chandra Mohan Reddy relentlessly worked for standardizing the laboratory experiments in Metal Cutting, Welding and Metal Forming Laboratories and developed lab manuals, established Metal Forming lab, interfaced loadcells to computer for measuring loads, contributed immensely for the growth of the department and one of the two key research supervisors identified for granting Research Centre status to MED, CBIT in 2008. Key member of core team of NBA Accreditation in 1998, 2004 & 2007, Autonomous work in 2019. Under his guidance CBIT and MGIT obtained Accreditation and Life institutional Membership of IEI. Visited Singapore in 2008 and presented two papers in international Conference.

Dr Reddy made remarkable services to Professional Societies. He is a Fellow of IEI and Member of ASME, IEEE, AeSI, ISTE, ISME & TSI. He served as Joint Hon Secretary and Hon Secretary of the Institution of Engineers (India) Hyderabad and presently serving as Member of IEI Telangana State Centre Committee and Finance Sub Committee. Served as Member of DRC in OU, BOS in JNTUH, Academic Council-State Board of Tech Edn; State Productivity Council, SAC-TSERC(2015-18), TSEAMCET (2017&18), EC Member of AeSIHyd (2018&19). Dr Reddy currently working on Optimization of Process Parameters for Additive Manufacturing of Defence components, a research consultancy project of DRDO.

Mr. M. Manoharan,
CEO, Automation Solutions,
Hyderabad, Telangana, India.

M. MANOHARAN, CEO of M/ S Automation Solutions, Authorized partner of Siemens. Automation Solutions was established in 1999. Mr. MANOHARAN has à total of 40 years of expérience in industry and 25 years in Automation. Worked in BHEL for 10 years and Worked in other major Industries like Jindal in management cadre.

Ms. Vishaka has 6 years of experience in Automation industry Worked with Siemens and Omron Automation. Presently working with Automation Solutions.

Mr. Subba Rao, Head, Aztec India Operations.

Mr. Subba Rao, Head, Aztec India Operations, has 25 years of industrial experience with 17 years of research and development experience vaccine manufacturing machines in USA.

Mr. Bibek Pani, Manager, Aztec India.

Mr. Bibek Pani is graduated in Instrumentation and Control Engineering with 10+ years of experience and his area of expertise is thermal power sector. He also worked with industries like Adani, Sencor etc.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. Vidya Sagar Uddagiri

for his contribution to the topic

Connected Manufacturing-Concepts & Case Studies

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Dr. G. Chandra Mohan Reddy

for his contribution to the topic

**Principles & an Overview of Automation in
Manufacturing**

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



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(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. Sandeep Arora

for his contribution to the topic

5G Technology-Industry Automation

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



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(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. M. Manoharan

for his contribution to the topic

**Present Scenario in Industrial Automation & Different
Types of Control Mechanism**

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



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(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. Praveen Kumar

for his contribution to the topic

PLC & SCADA in Industrial Automation

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



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(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. Vinay Kuamr Kotti

for his contribution to the topic

AR & VR Technologies in Automation

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. Kishore Kotta

for his contribution to the topic

Smart Connected Operations using IIoT & Case Studies

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution-UGC, Govt. of India)

Certificate Of Appreciation

Awarded to

Mr. P.V. Ramana Rao

for his contribution to the topic

**IR, RF, Pneumatic & Hydraulic Drives for Industrial
Automation-Case Studies**

at FDP on “Automation for Smart Industry & Manufacturing”

organised by Centre of Excellence in Automation & Control

Engineering, Department of Mechanical Engineering,

MRCET Campus

during December 5-7, 2019.

Dr. VSK Reddy

Principal



www.mrcet.com

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
Faculty/mentor development on "Python Programming with Industry Perspective"
December 2nd 2019 to December 6th 2019
"Scheme of Financial Assistance for setting up of Electronics and ICT Academies"

Contact Details of the Coordinators for Winter courses-2019-20 through NKN mode E & ICT Academy,
NIT Patna

S.No.	Incharges	Name	Mobile No.	E-mail ID
1.	Coordinator	Dr. N.S. Gowri Ganesh	9894602326	mrcetgg@gmail.com
2.	Lab Faculty/Lab In-Charge Name	Mr.K. Sudhakar Reddy	9849476681	sudhakasam@gmail.com
3.	NKN/VC faculty In charge Name	Mr.I. Uma Maheswara Rao	8309333812	umamrcet2019@gmail.com


PRINCIPAL
PRINCIPAL
Malla Reddy College of Engg. & Technolog
UGC AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally, Secunderabad-500 10

Date: 30-11-2019

To,
The Principal,
MRCET,
Maisammaguda,Hyd.

Respected Sir,

Sub: Request for stationary on "Python Programming with Industry Perspective from 02-12-2019 to 06-12-2019, NIT Patna.

The Dept of IT, requires the following stationary items for the above mentioned workshop. Please sanction the issue of the below listed items.

S.NO	ITEMS	QUANTITY
1	Scribbling pads	100
2	Blue pens	100
3	Folder files	100

Thanking You,

Yours Sincerely,

NSR
30/11/19
HOD - IT

The following are the details of Winter courses being offered during Dec'19 – Jan'2020

1: Python Programming with Industry perspective

2 – 6 Dec 2019

Prospective external Experts- (i) Dr. Mani Modhakar, Program Manager - University Partners, IBM India Pvt Ltd
 Experts from host institutes- (ii) Dr. E. S. Pilli,

Contents of Python Programming with Industry Perspective

S.No	Module Name	Topics
1.	Introduction & basics of to Python Programming:	History of Python, Installing Python, Executing Python Programs, Internal Working of Python, Python Implementations Python Character Set, Token, Python Core Data Type, print() function, Assigning Values to Variable, input() function, math() function, Formatting Number and Strings, Operators and Expressions
2.	Decision Statements; Loop Control Statements; Functions, Strings	Boolean Type, Boolean Operators, Using Number and Strings with Boolean Operators, Decision Making Statements and Conditional Expressions (if, if-else, if-elif-else), For Loop, Nested Loops, Break Statement, Continue Statement Syntax and Basics of a Function, Use of a function, Parameters and Arguments, Local and Global Scope Scope of a Variable, return statement and Recursive Functions str class, Inbuilt functions for string, index[] operator, traversal of string, string operators, String Operations
3.	Lists and Dictionaries; Tuples and Sets; File Handling; Pandas	Creating Lists, Basic list operators, Slicing, Inbuilt functions for Lists, List operator, List Methods, Splitting, Need of Dictionary, Creating a Dictionary, Adding and Replacing Values, Retrieving Values; Deleting Items and Traversing Dictionaries Tuples and Sets: Creating Tuples; Tuple () Function, Inbuilt Functions for Tuples, indexing and slicing, Operations on tuples; Traverse Tuples from a List, list operators; Set class Object-Oriented Programming: Classes and objects, methods, Operator Overloading, Inheritance, super () and Method Overriding File Handling: Need of File Handling, Reading/Writing Text and Numbers within a File, Directories on a disk Pandas: Using Pandas, the python data analysis library and data frames
4.	Data Handling and Use Cases	RE Pattern Matching, Parsing Data, Introduction to Regression, Types of Regression, Use Cases, Exploratory data analysis, Correlation Matrix, Visualization using Matplotlib and implementing linear regression
5.	Machine Learning	Machine Learning - Algorithms, Algorithms - Random forest, Support vector Machine, Random Forest, Build your own model in python and Comparison between random forest and decision tree.

Principal Coordinator - Academy	Co- Principal Coordinator - Academy	Participating Academies and Local Coordinator Details
Dr. E. S. Pilli espilli.cse@mnit.ac.in n_M: 954 985 8131 MNIT Jaipur	Dr. Bharat Gupta, bharat@nitp.ac.in Mobile 93314 66994 NIT Patna	IIITDM Jabalpur- Dr. Atul Gupta, M: 9426152499 Phons:+761-2794223 Email: atul@iiitdm.ac.in MNIT Jaipur - Dr. Dinash Tyagi & Dr. Yogesh Meena, dktyagi.cse@mnit.ac.in , M: 9549658130, ymeena.cse@mnit.ac.in , M: 9461309947 NIT Patna- Dr. Mukesh Kumar, & Dr. Somaraju Suvvari, mukesh.kumar@nitp.ac.in M: 8984142557, somaraju@nitp.ac.in , M: 9676430356



**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
PYTHON PROGRAMMING #FDP**

OVERVIEW

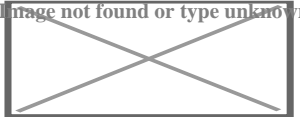
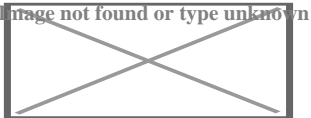
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	The expected outcome is to learn python as interdisciplinary tool to solve multidimensional industrial problems
Academic Year:	2019-20	Program driven by:	Self-driven Activity
Month:	December	Program /Activity Name:	
Program Type:	Workshop	Other:	NA
Program Theme:	Other	Other:	Faculty development programme
Date & Duration (Days):	--	External Participants, If any:	15
Student Participants:	0	Faculty Participants:	79

Expenditure Amount, If any:	15000	Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	NA
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
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**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
ORGANISE WORKSHOP ON BUSINESS MODEL CANVAS (BMC) AND (OR) BUSINESS
PLAN COMPETITION TO INVITE INNOVATIVE BUSINESS MODELS FROM STUDENTS**

OVERVIEW


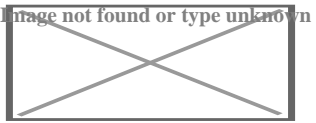
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Enable students to understand Building Business Model
Academic Year:	2019-20	Program driven by:	IIC Calendar Activity
Month:	May	Program /Activity Name:	
Program Type:	Workshop	Other:	NA
Program Theme:	Other	Other:	Business canvassing
Date & Duration (Days):	--	External Participants, If any:	

Student Participants:	50	Faculty Participants:	20
Expenditure Amount, If any:		Remark:	NA

STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW



Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Know-hows of a startup and entrepreneurs
Academic Year:	2020-21	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Startup	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/07/2020-04/07/2020-0	External Participants, If any:	120
Student Participants:	49	Faculty Participants:	8

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
IMPACT LECTURE SERIES-LECTURE 2

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Data science impact and its application in small scale enterprises
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Workshop	Other:	NA
Program Theme:	Innovation	Other:	NA
Date & Duration (Days):	04/07/2020-04/07/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
IMPACT LECTURE SERIES-LECTURE I**

OVERVIEW


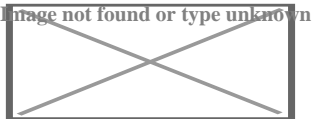
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Use of Block chain technology for innovators to escalate enterprises during the COVID-19 crisis
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Workshop	Other:	NA
Program Theme:	Innovation	Other:	NA
Date & Duration (Days):	03/31/2020-03/31/2020-0	External Participants, If any:	
Student Participants:	100	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW


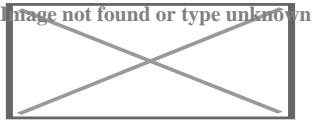
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	To address opportunities to students and teachers to excel their academic interests and also innovation and entrepreneurship programs. Alongside an emphasize on introducing NEAT platform to the Higher educational institutes to promote and continue educati
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	(Ministry of HRD Initiative)
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA

Date & Duration (Days):	04/09/2020-04/09/2020-0	External Participants, If any:	
Student Participants:	52	Faculty Participants:	5
Expenditure Amount, If any:		Remark:	NA

STAR PERFORMER

Faculty:	Dr. S. Srinivasa Rao	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Role of government in COVID-19
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/11/2020-04/11/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	NA
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	National Digital Library role during pandemic situations and their utilization for education sector
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA
Date & Duration (Days):	04/10/2020-04/10/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	5

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	C Rajeeth
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	A brief on current situation in India and how innovative India is facing current situation
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/08/2020-04/08/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Role of NITI Aayog to overcome COVID-19, Various developments in technology to fight COVID-19 from DRDO
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA
Date & Duration (Days):	04/13/2020-04/13/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	5

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	Dr. S. Srinivasa Rao	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW


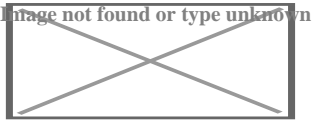
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	To address opportunities to students and teachers to excel their academic interests and also innovation and entrepreneurship programs. Alongside an emphasize on introducing NEAT platform to the Higher educational institutes to promote and continue educati
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	(Ministry of HRD Initiative)
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA

Date & Duration (Days):	04/14/2020-04/14/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	1
Expenditure Amount, If any:		Remark:	NA

STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
-----------------	----	-----------------	----------------------

ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW


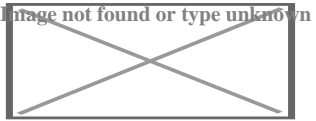
Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	To address opportunities to students and teachers to excel their academic interests and also innovation and entrepreneurship programs. Alongside an emphasize on introducing NEAT platform to the Higher educational institutes to promote and continue educati
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	(Ministry of HRD Initiative)
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA

Date & Duration (Days):	04/14/2020-04/14/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	1
Expenditure Amount, If any:		Remark:	NA

STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA

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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Role of media-tech company for stories of the entrepreneur in YOU
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/15/2020-04/15/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Understanding cultural relations in India
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/16/2020-04/16/2020-0	External Participants, If any:	
Student Participants:	50	Faculty Participants:	1

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Innovation through culture
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/18/2020-04/18/2020-0	External Participants, If any:	
Student Participants:	20	Faculty Participants:	1

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	Innovation at right time, a paradigm of change
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Innovation	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	04/17/2020-04/17/2020-0	External Participants, If any:	
Student Participants:	30	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	KOMATI REDDY MOUNIKA
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	silver lining for industry in #Covid crisis
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Entrepreneurship	Other:	NA
Date & Duration (Days):	--	External Participants, If any:	
Student Participants:	50	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
LEADERSHIP TALK**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	how COVID-19 pandemic created opportunities and how to capture them
Academic Year:	2019-20	Program driven by:	MIC driven Activity
Month:	April	Program /Activity Name:	
Program Type:	Leadership Talk	Other:	NA
Program Theme:	Entrepreneurship	Other:	NA (Ministry of HRD Initiative)
Date & Duration (Days):	--	External Participants, If any:	
Student Participants:	35	Faculty Participants:	2

Expenditure Amount, If any:		Remark:	NA
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STAR PERFORMER

Faculty:	NA	Student:	S D Aditya
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ATTACHMENTS

Video:	NA	Photograph1:	
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Photograph2:		Session plan, If any:	https://api.mic.gov.in/uploads/institutes/mic/NA
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**INSTITUTION'S INNOVATION COUNCIL
MHRD'S INNOVATION CELL**



**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
EMERGING TECHNOLOGIES-BLOCKCHAIN AND ITS USE CASES IN A PANDEMIC
LIKE COVID-19**

OVERVIEW

Objective:	NA	Benefit in terms of learning/Skill/Knowledge obtained:	A webinar on Emerging technologies-Blockchain and its use cases in a pandemic like covid-19
Academic Year:	2019-20	Program driven by:	Self-driven Activity
Month:	March	Program /Activity Name:	
Program Type:	Workshop	Other:	NA
Program Theme:	Startup	Other:	NA
Date & Duration (Days):	03/31/2020-04/02/2020-2	External Participants, If any:	