



CMR Technical Campus

Kandlakoya (v), Medchal (m), R.R (Dist)-501401, TS.

One Week Faculty Development Programme (FDP)

On

Machine Learning and Data Science with Practical Approach for Engineering Applications

(2nd July 2017-8th July 2017)

Organized by

Department of Computer Science and Engineering

ABOUT THE COLLEGE

CMR Technical Campus has been structured to take a quantum leap on the changing trends of technology. The need of setting up the college emerged when hardly few other colleges could fulfill the aspirations of a student in his/her endeavor to acquire wholesome education. The very strength of CMR Technical Campus lies in its principles of providing the right learning environment for the student who does not have to compromise throughout the learning process of becoming global citizen. Over the years since it has been established, there has been dynamic progress at CMRTC in all academic and research activities, and a spectacular improvement in facilities and infrastructure, to keep it on par with the best institutions in India. The campus epitomizes the Technical Campus motto, "Learning and Exploring" in providing the best of infrastructure and ambience. CMR Technical Campus keeps abreast of the global situation.

ABOUT THE DEPARTMENT

Department of Computer Science and Engineering has been established in the year 2010, presently offering B. Tech. course with an intake of 240 to meet the growing demands. The department has well qualified and experienced faculty and has established seven well equipped labs with 600 high end machines and 20 Mbps Internet connection. The department, under the guidance of Dr. K. Srujan Raju and other senior faculty members have been ensuring a steady improvement in all-round performance. During the course students undergo industrial training for 45 days. The college has MoU with companies like Redhat, Oracle, Microsoft, INSOFE, Unisys, etc. The department has ISTE and CSI chapters. The student chapters periodically organize Workshops, Guest Lectures, National Level Technical Events like Paper Presentations, Group Discussions, Projects Exhibition, Programming Contest to showcase the skills of students and teaching community. Students are participating in state and national level competitions and bringing laurels to the department.

OBJECTIVE OF THE FDP

Machine learning is the science of getting computers to act without being explicitly programmed. In the past decade, machine learning has given us self-driving cars, practical speech recognition, effective web search, and a vastly improved understanding of the human genome.

Data science is one of the most alluring professions in the world. If you have keen analytical skills with a mind to play with figures, chances are great that you will make out benefits from this program.

PROGRAMME OBJECTIVES

- To develop skills on Machine Learning software for solving practical problems.
- Provide insights about the roles of a Data Scientist.
- Enable you to analyze of Big Data.
- Learn Techniques and Tools for transformation of Data.
- Make you understand Data Mining & Familiarize you with different formats.
- Make you figure out suitable Machine Learning algorithms.
- Learn data visualization and optimization.
- To gain experience of doing independent study and research.

MAJOR COURSE CONTENTS

- Regression Techniques & Instance based learning
- Decision tree algorithms & clustering
- Neural Network learning
- Bayesian learn, Deep learning, SVM
- Reinforcement learning
- Principal Component Analysis (PCA)
- Applying machine learning algorithms on large data sets
- Machine learning & Classification
- Big Data Analysis & Intelligence
- Cloud & Cluster analysis
- Data mining, databases, and visualization.

Speakers

The Programme will be conducted by the faculty members from **Department of Computer Science & Engineering**. Experts from IITs/NITs/IIIT/INDUSTRY are expected to deliver the lectures as part of the course.

Eligibility

The programme is open to the *teachers of engineering Colleges, MCA colleges and other allied disciplines and also for Research Scholars/PG Students* in Telangana, Andhra Pradesh and other states from India. Industry personnel working in the concerned/allied discipline are also welcome.

Registration Fee Particulars

- Academicians / Faculty members : Rs.1000/- Only
- Research Scholars / PG Students : Rs 800/-Only
- Industrial / Others : Rs.1200/-Only

For Online Transfer:Bank A/c No: 164 0232 00000 13 IFSC code: HDFC0001640; The participants are requested to intimate(e-mail preferred) to coordinators.

- * Accommodation may be extended to on first come first basis, with nominal charges.
- * Lunch and Snacks will be provided.
- * Certificate of Participation will be issued after the completion of the program.

Selection Criteria

The maximum number of participants will be **50 (fifty)**. The list of selected participants will be notified in the institute web site www.cmrtc.ac.in and also will be sent to their personal *e-mail* ids. The participants are encouraged to take an evaluation at the end of program and they will be issued certificates on successful completion of the course.

Important dates

Last date for submission of application: 30/06/2017
Selection-list intimation/display before: 1/07/2017
Duration of Program: 02nd July 2017– 08th July 2017.

Venue

CMR Technical Campus
D- Block, Seminar Hall-5
Time: 10:00AM- 3.30PM

Chief Patrons

Sri. Ch. Gopal Reddy, Chairman.
Smt.C.Vasantha Latha, Secretary.

Patron

Dr. A. Raji Reddy, Director.

Convener

Dr. K. Srujan Raju, Professor
HOD- CSE

Coordinators

1. Mr. Md. Rafeeq, Assoc.Professor
2. Mr. R. Nagaraju ,Assoc. Professor.
3. Mrs. Suvarna Gothane, Assoc. Professor

Organizing Committee

1. Mr. M. Ravikanth, Assoc. Prof.
2. Mr. V. Naresh, Assoc. Prof.
3. Mr. M. Malyadri, Asst.Prof
4. Miss. J. Dayanika,Asst.Prof
5. Mrs. Kiranmai,Asst.Prof
6. Mrs. Rashi Saxena,Asst.Prof

For More Details: Cell No:+91 7729993357, 9989979267, 9247016286.

Email-id: cmrtccsefdp@gmail.com

Website: cmrtc.ac.in/mlfdp

REGISTRATION FORM

Name :

Designation :

Name of the Institute / Organization :

Address :

Mobile No :

Phone :

E-mail ID :

Gender : M / F :

Qualification :

Specialization :

Registration Fee Details: Dated _____

Amount Rs. _____

Signature of the Applicant