

Chief Patron : Shri Ch. Gopal Reddy.
Chairman, CMRTC

Smt. C. Vasantha Latha.
Secretary, CMRTC

Patron ; Dr. A. Raji Reddy.
Director, CMRTC

Organizing Secretary: Prof.G.Srikanth
Professor & HoD,ECE

Convener: Dr. P.V.Krishnan, Professor, ECE

Center Lead: Mr. T.Saikumar
Associate Professor, ECE,
IEEE CMRTC Student Branch Counselor
Lead CSIP

CSIP Members:

Dr. G.R.Sinha, Professor, ECE
Dr. S.Sumalatha, Associate Professor, ECE
Mr. K.MohanaLakshmi, Associate Professor, ECE
Mr. S.Venkatesh, Assistant Professor, ECE
Mr. Abdul Naqi Mohd , Assistant Professor, ECE
Mr. Ameen Uddin Mohd , Assistant Professor, ECE
Mr. Mallesh Sudhamalla , Assistant Professor, ECE
Mr. A.Vamshidhar Reddy, Assistant Professor, ECE
Mr. Ch.Narender, Assistant Professor, ECE
Mr. T.Sateesh , Assistant Professor, ECE

Organizing Co-ordinators :

Mr. S.Venkatesh, Assistant Professor, ECE
Mr. A.Vamshidhar Reddy, Assistant Professor, ECE

CMR TECHNICAL CAMPUS

(Accredited by NBA, Permanently Affiliated to JNTUH
& Approved by AICTE)
Kandlakoya(V), Medchal (M), Hyderabad - 501401



One Week Faculty Development Program on “Linear Regression, GPCA, SVD, SVM, Linear Discriminate Analysis and Wavelets MRA – Research Focus” Under IEEE CMRTC Student Branch

Code: STB20122, School Code: 60108002

(For the faculty of ECE, IT, ECM, ICM, EIE, BME, CSE, Civil,
Mathematics, (B.Tech, MTech & Research Scholars)



(17th -22th Dec 2018)

Organized By
IEEE CMRTC SB,
DEPARTMENT of ELECTRONICS &
COMMUNICATION ENGINEERING &
CENTRE FOR SIGNAL & IMAGE PROCESSING
(CSIP)



REGISTRATION FORM

(One Week Faculty Development Program on Linear
Regression ,GPCA,SVD,SVM,Linear Discriminate Analysis
and Wavelets MRA-Research Focus)
17th -22th Dec, 2018

1. Name:.....
2. Date of Birth & Age:.....
3. Gender (M/F):.....
4. Qualifications:.....
5. Teaching Experience:
6. a) Designation :
- b) Department:
7. a) Institution :
- b) Affiliating University:
8. Address for Communication:
.....
.....
.....
9. Phones No's:
(O).....(R).....
E - mail ID:

10. Registration Fee

Amount

DD No.

Date

Name of Bank

Date:
Name:

Signature

ABOUT THE COLLEGE

CMR Technical Campus has been structured to take a quantum leap on the changing trends of technology. The Campus is accredited by NBA in the year 2014. The need of setting up the college emerged when no other college could fulfill to 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

The Department of Electronics & Communication Engineering (ECE) established in year 2010 with an intake of 60 students, present intake of 180. Right from its inception it is continuously striving to impart quality education and promoting competitive spirit among the student for academic excellence. Department started M.Tech in Embedded Systems from Academic year 2012-13 with intake of 24.

The Association of ECE (AECE) is students wing under which department periodically Organizing Seminar, Guest Lecture, Workshop by IIT Professor and Industry Expert.

Aim:

Linear regression: Basic, Single and multiple regression, Training and Test data sets, Dependent and Independent variable, multivariate analysis
GPCA: Generalized Principle Component Analysis – Matrix, Co-variance Matrix, Eigen value, Eigen Vector,

Principle Components, Visualization of signal or images through PCA

SVD: Singular Value Decomposition, Factorization of real or complex matrix, Unitary matrix, Eigen Value and Eigen Vector, Diagonal Matrix and applications

SVM: Support Vector Machine, regression, quadratic equation solve, support vectors, classification

Linear Discriminate Analysis: Subspace segmentation for clustering purpose

Wavelets: Fundamentals of linear algebra and vector spaces, Wavelet Theory, Time Frequency representation, Multiresolution Analysis and implementation issues of wavelets realization.

Hands on training in Wavelet Toolbox

Expected Outcome: End of the workshop, we ensure that 85% of all the participants will imbibe the concepts mathematically and should implement into their current research work. Especially the following outcomes are derived from this one week course:

- clear understanding of theory and practical concepts about the each topic
- matrix manipulation of samples or vectors
- Prediction of data samples about its mean and variance
- linear classification of data samples
- Determination of our algorithm or classifier is working good or bad

Registration Fee:

Delegates from Academics:	1500/-
Delegates from Research Scholar:	1200/-
Delegates from Industry:	3000/-

Important information:

The registration fee includes Kit, High Tea, lunch, e-contents will be provided to all the participants.

Accommodation will be providing to all the outside participants for free of Cost.

Important Dates:

Last date of Submission: 10th December. 2018.
Intimation of acceptance: 15th December. 2018.
FDP Date: December 17th-22th 2018.

Online NEFT Payment:

HDFC Bank,

In the name of : CMR Technical Campus,
Account No:16402320000013,
IFCS Code: HDFC0001640,
Branch: Medchal, City: Hyderabad.

Important Dates:

Last date of Submission: 10th Dec 2018.

SPONSORSHIP CERTIFICATE

Certified that Mr. /Ms. _____ is an employee of our institution since _____. Presently he/she is working as _____, in the ___ department and is hereby sponsored for One Week Faculty Development Program on Linear Regression, GPCA, SVD, SVM, Linear Discriminate Analysis and Wavelets MRA-Research Focus, at IEEE SB, & Department of ECE, CMR Technical Campus, Kandlakoya(V), Medchal Road, R. R. Dist. during the days 17-12-2018 and 22-12-2018.

Place:

Signature of the
Principal/ Director

Date:

with Seal

Contact: Mr. T. Sai Kumar
+919849702404

Email: cmrtccsip@gmail.com.



