

**A Five day Faculty Development Program
(FDP)**

on

**“Neural Networks and its applications in
Image Processing”**

From 09 to 13th of January 2020

Registration Form*

Name:.....

.....

Designation.....

....

Department:.....

...

College

Name.....

Mobile

No.:.....

Email

ID:.....

Address for

Communication:.....

.....

.....

Accommodation Required: Y/N

Place :

Date : Signature of the Participant

Signature & Seal of the
Principal/HOD

*Note: Outside BITM participants are required to pay a nominal registration fee .

(Photo copies of registration form can be used if necessary)

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Chairman, TEHRD Trust, Ballari

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Director, BITM, Ballari

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Organizing Chair :

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Associate Prof, ECE, BITM, Ballari

Organizing Committee :

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Associate Prof, ECE

Mallikarjuna A

Asst Prof, ECE.

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Asst Prof, ECE

Nilam Chheda

Asst Prof, ECE

Fareeduddin Ahmed

Asst Prof, ECE

**Ballari Institute of Technology and
Management, Ballari**



(Approved by AICTE, New Delhi)

& Affiliated to VTU, Belagavi)



**A Five days Faculty Development Program
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**“Neural Networks and its applications in
Image Processing”**

From 09 to 13th of January 2020

**Dept. of Electronics & Communication
Engineering**

Ballari Institute of Technology & Management,

Ballari – 583104, Karnataka.

Phone : 08392-237177

www.bitm.edu.in

About the college

Ballari Institute of Technology & Management, Ballari was started under the aegis of T.E.H.R.D. Trust, Ballari in the year 1997. The institution is recognized by Govt. of Karnataka, approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi, Accredited by National Assessment and Accreditation Council(NAAC).Advancements in the technology and communications have brought the world closer than ever before. BITM plays a vital role in producing world class engineers tuned to the demands of fast changing world that can now be aptly called as “Global Village”. The technological changes and constant need to stay ahead, makes BITM as one of the most sought after Karnataka’s premier engineering institution. BITM alumni are well settled across the world and are part of global network.

Vision

To contribute valuable graduates for industry and society through excellence in technical & management education and research.

Mission

- To offer state-of-the-art undergraduate, postgraduate and doctoral programmes.
- To empower the students with Technical, Managerial Skills and professional ethics.
- To collaborate with academia and industries for skill development.

About the Department

Department of Electronics and Communication Engineering established in the year 1997, has well qualified, committed faculty members and has steadily grown from its humble beginning to a full-fledged department. It has state of the art laboratories, infrastructure and VTU Recognized Research centre. The UG-ECE Program is accredited by National Board of Accreditation (NBA),New Delhi. In pursuance of excellence in the engineering education, the department up grades Infrastructure/facilities through the funds received from AICTE,VGST-KFIST and other agencies. The Department also conducts student activities under IEEE and IETE Professional student chapters. The department encourages students for outside interactions through competitions and their active involvement in e-LSI robotics (IIT-Bombay),NI Labs etc... of the department.

Vision

To be a center of excellence for learning and development of skills.

Mission

- To equip the graduates with strong foundation to meet the growing challenges.
- To inculcate design & development skills relevant to the industry and research.
- To impart innovative technologies and professional values through teamwork.

Objective of the FDP

To provide a platform for academicians, researchers and students in the promising area of neural networks and its applications in image processing.

Contents

- Introduction on Machine Learning Artificial Neural Networks, Linear Algebra, Probability and Statistics.
- Architecture, Learning rules, Perception, Back Propagation and RBF Neural Networks.
- Image Segmentation techniques, Feature extraction, and Feature selection.
- Evaluation Hypothesis, Dimensionality Reduction. Regression, Clustering and Classification techniques.
- Hands on sessions using open sources on Image segmentation, clustering and classifications.

Resource Persons

Eminent Academicians and Industry experts in the areas of image processing and machine learning.

Last date for Registration : 05/01/2020

Contact Details

Hemanthakumar R K

Email:hemanthakumar@bitm.edu.in

Ph.:7892786448

Manjunath G

Email: manjunathg@bitm.edu.in

Ph: 9164658445

Maximum no of Participants is limited to 50.