

## **ABOUT THE FACULTY DEVELOPMENT PROGRAMME:**

The Electronics and Communication Engineering Department, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat is Organizing AICTE Sponsored Two Weeks Faculty Development Programme on **“Signal & Image Processing: Issues, Challenges & Techniques”** from **01<sup>st</sup>-12<sup>th</sup> January, 2018**.

The FDP is designed to bring Researchers, Academia and Technocrats from different parts of the country to a common gathering for exchanging and sharing the recent developments in the field of Signal & Image Processing and its allied areas.

The Experts from prestigious Universities & Institutes such as IIT Delhi, IIT Roorkee, DTU, Thapar University, NIT, and from DCRUST will deliver expert talks and practical demonstration in the course.

The number of participants from different Institutions/Universities and Industries are expected to participate. Due to limited number of seats as per guidelines of AICTE the registration will be done on the first cum first basis. The T.A/D.A and Boarding & Lodging facility will be provided to outstation participants from AICTE approved Institutions/Universities as per Deenbandhu Chhotu Ram University of Science and Technology, rules.

The participants are going to gain extensive details of subject knowledge along with practical knowledge. Case studies and practical examples enrich their concept in the field of Signal and Image Processing and it will help them to do better teaching and to conduct research activities at their institutes.

## **MAIN OBJECTIVES OF FDP:**

- To provide a forum to exchange views, ideas & the latest innovations in the field of Signal & Image Processing.
- To offer learning on basics, emerging trends & challenges in the field of Signal & Image Processing
- To improve faculty's ability in carrying out research, testing & consultancy in the area of Signal & Image Processing.
- To introduce Signal & Image Processing and to provide opportunities to further widen the knowledge and to pursue research.
- To provide hands-on training using MATLAB to demonstrate fundamental concepts of Signal & Image Processing i.e Signal representation, time & frequency domain analysis, signal transformation, filter design, image acquisition, enhancement, smoothing, denoising, compression, segmentation etc.

## **TOPICS TO BE COVERED:**

- Signal Representation in Time & Frequency Domain
- Signal Transformation
- Filter Designing
- Digital Image Processing

- Recent Trends in Image Enhancement, Image Restoration, Denoising, Compression , Edge Detection & Segmentation
- Recent Research Areas in Signal & Image Processing
- Various Issues and Techniques in Signal & Digital Image Processing
- Applications of Digital Image Processing such as Finger Print Recognition, Face Recognition, Character Recognition, Disease Diagnosing using MRI, X-Ray, Ultrasound etc.
- Soft Computing Techniques for Signal and Image Processing
- MATLAB : Signal & Image Processing Toolbox
- Any other Related Topics

### **How to Apply:**

Candidate required to send the scanned copy of completely filled prescribed registration form at [fdpsipict2018@gmail.com](mailto:fdpsipict2018@gmail.com) on or before 15<sup>th</sup> December, 2017.

(Original Registration Form duly completed has to be submitted on registration desk at the time of reporting).

### **For Any Other Query, Kindly Contact to:**

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