

One Week online Faculty Development Programme

On Machine Learning Applications in Image Processing

Under the banner of

INDIRA GANDHI DELHI TECHNICAL
UNIVERSITY FOR WOMEN
(IGDTUW)

23rd - 27th November, 2020



Patron

Dr. (Mrs.) Amita Dev
Hon'ble Vice Chancellor, IGDTUW

Advisor

Prof. S.R.N. Reddy
Professor & HOD, CSE, IGDTUW

Coordinators

Dr. Ravinder.M
Assistant Professor, CSE, IGDTUW
Mr. B. Indra Thannaya,
Assistant Professor, CSE, IGDTUW

Organized by

Department of CSE, IGDTUW, Delhi.

Organizing Committee

Prof. Ela Kumar
Prof. D. K. Tayal
Prof. Seeja.K.R,
Ms. Vibha
Ms. Najme Zehra Naqvi
Dr. Vivekanand Jha
Ms. Monika Choudhary
Mrs. Arunima Jaiswal
Ms. Khyati Ahlawat

Supporting Research Scholars

Ms. Arti Ranjan
Ms. Kiran Malik
Ms. Rajni Sharma

About IGDTUW

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been upgraded from Indira Gandhi Institute of Technology in May 2013 vide Delhi State Legislature Act 9, 2012, as a non-affiliating teaching and research University at Delhi to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, management and its allied areas with the objective to achieve excellence in these and related fields. The objective of the University is to foster industry relevant research and innovations and empower the women of our country through value based higher education making them employable, self-reliant, responsible citizen of the country with concern for environment and society.

About Department of CSE

The Computer Science and Engineering Department is the most versatile department of college and caters to the needs of other

departments as well. The department aims at developing the fundamental conceptual knowledge along with the total personality, which helps computer engineers to face the challenges of rapidly changing software industry. Numerous professional activities are conducted to improve interaction between students, faculty, other academic institutions and industries. The Department offers B.Tech, M.Tech (AI), and Ph.D Courses.

Objective and Scope

This Faculty Development Programme (FDP) is devoted to addressing the need to enhance the knowledge about the latest technologies pertaining to Machine Learning and its applications in Image Processing. Image processing is a growing research field where many revolutionary ideas and efficient algorithms have been developed over the past few decades. The objective of this FDP is to introduce the participants to the world of Machine Learning and its applications in Digital Image Processing and give an insight on how and where it can be used.

- The objective of the FDP is to introduce fundamentals Machine Learning and its applications in Image Processing..
- This FDP will be a very useful platform for Faculty and researchers to update their knowledge
- This FDP also focuses on exploring various research opportunities and challenges in the field of Image Processing.

Topics to be covered

- Introduction to Machine Learning
- Introduction to Image Processing
- Machine Learning in Medical Imaging
- Supervised Machine Learning Applications
- Reinforcement Learning applications in Image Processing
- Unsupervised Machine Learning Applications

Resource Persons and Schedule

Date & Time	Resource Person	Topic
23-11-2020 (5:30 PM to 7:30 PM)	Dr. Tapan Kumar Gandhi Associate Professor, IIT Delhi.	Machine Learning in Medical Imaging
24-11-2020 (5:30 PM to 7:30 PM)	Dr.U.S.N.Raju Assistant Professor, NIT Warangal.	Supervised Learning applications in Image Processing
25-11-2020 (5:30 PM to 7:30 PM)	Dr.Amita Kapoor Associate Professor Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	Reinforcement Learning applications in Image Processing
26-11-2020 (5:30 PM to 7:30 PM)	Dr. M Srinivas Assistant Professor NIT Warangal.	Unsupervised Learning applications in Image Processing
27-11-2020 (5:30 PM to 7:30 PM)	Prof. Sumantra Dutta Roy IIT Delhi.	Unsupervised Learning applications in Image Processing

Workshop includes

One week FDP will be taken by Academic Experts from IIT, NIT etc. The duration of training per day is 2 hours. Mode of training is Instructor-led live online.

- 10 Hours Instructor-led live online based learning & Interactive Query Session.
- Participants will get **e-certificate** after successful completion of course.

Who Can Participate

Faculty, Research Scholar, UGC/AICTE recognized Universities and Engineering colleges all over India.

Registration Fee

- Faculty:**
Rs.800/- (Eight Hundred Rupees)
- Research Scholar:**
Rs.500/- (Five Hundred Rupees)

Payment can be done in following Account details via NEFT/ Electronic Mode

- Account Number:** 09001000018949
- Account Name:** Registrar, IGDTUW
- IFSC Code:** PSIB0001098
- Bank Name:** Punjab and Sind Bank
- Branch:** GGSIPU, Kashmere Gate, Delhi.

Registration Process

- Link for registration:**
<https://forms.gle/6qwTwRo7bk8UV7HZ6>
- Only Online registration will be accepted.**
Last date of registration: 20.11.2020.

Total 50 seats and the selection will be done on first-cum-first-serve basis.

Contact

Dr. Ravinder.M
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Computer Science & Engineering,
IGDTUW.
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REGISTRATION FORM

- Name (block letter):
- Gender:
- DOB:.....
- Designation
- Organization:
- Address for communication:
.....
.....
Pin code: Ph. No.:
- E-mail:
- Highest Academic Qualification:
- Specialization:
- Experience (in years):
(a) Teaching: (b) Industrial:
- Aadhar No:.....

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place: Date:.....

.....
Signature of the Applicant