Central University of Rajasthan

About University The Central University of Rajasthan (CURAJ) has been established by an Act of Parliament (Act No. 25 of 2009) as a new Central University, and is fully funded by the Government of India. The President of India, Her Excellency Smt. Droupadi Murmu, is the Visitor of the CURAJ. Prof. Anand Bhalerao is the Vice Chancellor of the University. CURAJ is located in Ajmer district of Rajasthan. In order to meet the challenges of the knowledge era and to keep pace with the knowledge explosion in Higher Education, the Central University of Rajasthan is committed to inculcating and sustaining quality in all the dimensions of Higher Education viz. teaching, learning, research, extension and governance while catering to the regional and global needs. CURAJ offers 70+ Under Graduate, Masters and PhD programmes in its 32 departments. The University operates from its permanent campus of 550 (approx.) acres and it has adequate hostels housing more then 2500 students in the campus.

For more details, visit `http://www.curaj.ac.in`

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Two Week Faculty Development Program

on

Deep Learning in Image Processing and Pattern Recognition

13th **to** 22nd **March 2023**

Organised by

Department of Computer Science
Central University of Rajasthan

in association with

ICPS Division
Department of Science and Technology

at

Central University of Rajasthan
NH-8, Bandar Sindri, Dist-Ajmer
Rajasthan India- 305817

Overview of the Programme

- To understand important AI technologies: Deep learning, Natural Language Processing and Image Processing.

- Practical implementation of Deep Learning techniques in real world scenario.

- Applications of Deep Learning techniques to solve problems from a range of disciplines.

Topics to Be Covered

- Recapitulation of Machine Learning and evolution of Deep Learning.

- Applications of deep learning in image processing, Pattern Recognition (IPPR) NLP, recommender systems and information retrieval.

- Introducing the concepts of Neural Networks and review of the components of Convolution Neural Networks.

- Introduction to Python; Using jupyter; Data structures in Python and Pandas; Data wrangling; Numpy arrays to work with deep learning problems.

Resource Person

- Prof. Prof. Pritee Khanna, IIITDM Jabalpur.

- Prof. Prof. P.K. Singh, ABV-IIITM Gwalior.

- Dr. Namita Mittal, Associate Professor, MNIT, Jaipur.

- Dr. Mohit Dua, Assistant Professor, NIT Kurukshetra.

- Dr. Puneet Kumar Jain, National Institute of Technology, Rourkela.

- Dr. Sumit Kalra, Indian Institute of Technology, Jodhpur.
  Some more experts from premier institutions/industries may join

Who can Apply

Faculty members of HEIs/ Colleges, Research Scholars (Doctoral, Post-docs, etc), PG Students, and UG Students are eligible to apply for the workshop.

Fee

The expenses of the Workshop program will be borne by the Central University of Rajasthan. However, registration is required for attending the program. The registration will take place on a first-come-first-serve basis. There are no Registration Fees.

Outcomes

- The proposed FDP would provide an understanding of the concepts of Deep learning with a focus on the latest trends.

- The participants will be given a thorough understanding of the Image processing concepts and Pattern recognition using Python Programming.

- This course also focused on various domains of Deep learning, Image processing, and their relation to Artificial Intelligence.

Registration:

- Name:...
- Designation.......................................
- Male/Female.....................................
- Affiliation and Address ....
....
....
- Email:...
- Contact No .:..
- Accommodation required: Yes / No ....
- Date and Time of Arrival........................
- Date and Time of Departure............................

How to Apply

Please fill the details online `https://forms.gle/W2BQc7gZ1bm1vguK7`. Applicants who are selected for the workshop will be intimated via email and confirm participation for the workshop.

Important Dates

Last date to Apply	March 08, 2023
Intimation of selection	March 10, 2023
Confirmation of participation	March 11, 2023

Contact

For more details or any queries please contact

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