ABOUT UCE, BIT CAMPUS, ANNA UNIVERSITY, TRICHY

University College of Engineering, BIT Campus, Tiruchirappalli is a technical university department of Anna University, Chennai. The Vision of the institute is to transform students into competent professional and responsible citizens by focusing on maximization, analytical synthesis and dissemination of knowledge to meet the societal needs. It offers higher education in Engineering, Technology, Management and allied sciences at undergraduate, postgraduate and doctorate level. The main campus is situated in the southern part of Tiruchirappalli and extends over 394 acres (1.58 km²).

ABOUT ELECTRONICS & IOT ACADEMY AT PDPM IIITDM JABALPUR

The Ministry of Electronics and Information Technology, Government of India, has instituted seven Electronics and ICT Academies with one academy at PDPM IIITDM Jabalpur. The primary objective of the Academy is to prepare manpower for two important missions - Digital India and Make in India. The Academy aims at scalable training programmes in niche areas of Electronics and ICT for the development of requisite knowledge base, skills, and tools to unleash the talent of the Indian population. In addition to the faculty development programmes on fundamental and advanced topics, the Academy conducts customised training workshops for the corporate sector and research promotion workshops in emerging areas. The Academy is envisioned to become a central hub of activities on training, research, consultancy work, and entrepreneurship programmes.

PDPM IIITDM Jabalpur was established in 2005 with a focus on education and research in IT-enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India’s mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and Ph.D. programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and Ph.D. programmes in Mathematics, Physics and Literature. Under IIIT act, the Institute has been declared as an Institute of National Importance in January 2015. The Institute campus is being developed on 250 acres of land close to Damma Airport, Jabalpur.

Course Contents

- Overview of Computer Vision
- Image Processing Techniques
- Intro to AI and ML (Supervised and unsupervised learning methods: K-means, SVM)
- Neural Networks and Backpropagation
- Convolution NeuralNetworks (CNNs)
- Deep CNN architectures, Transfer Learning and Applications
- Object Detection using CNN
- Autoencoder and Their Applications
- CNN for Image Segmentation and Medical Image Analysis
- Recent Trends in ML for CV
- Recent Applications of ML for CV
- Programming in Python / Pytorch

Programme Features

- Instructor led online sessions and rigorous hands-on sessions.
- Opportunities to connect with experts from academia, industry and government.
- Certificate of completion on successful completion of the course with full access to the course material.

Registration Details

Registration fee: Rs. 6000/-(including GST)

Contact Us:
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This FDP is planned for the Indian and International participants (Faculty members, Research scholars, Post Graduate Students and Industry professionals) who are interested in using machine learning for their teaching, research and work purposes.

Indian Participants –
Academic (student/faculty): 500 INR
Industry Participants and Others : 1000 INR

Foreign Participants –
SAARC/African countries
Academic (student/faculty): - Rs. 500/-
Others - Rs. 1000/-
Rest of the countries: Fee - US$ 60 or British £ 50

Last Date for Registration: 15th Feb, 2022

Online payment details:
Beneficiary Name: ElCT Academy
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A/C No.: 503025042708
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