Shahrukh Kureshi <szkureshi@jdcoem.ac.in>

Fwd: Registration and Budget details for AI/ML For Computer Vision Applications FDP
1 message

Sunil Gupta <sunilgupta1972.sg@gmail.com>
To: szkureshi@jdcoem.ac.in

Wed, Feb 21, 2024 at 4:59 PM

---------- Forwarded message ----------
From: **EICT NITW** <eict.nitw@gmail.com>
Date: Fri, Feb 3, 2023 at 4:28 PM
Subject: Registration and Budget details for AI/ML For Computer Vision Applications FDP
To: <sunilgupta1972.sg@gmail.com>, Farukh Hashmi Mohammad <mdfarukh@nitw.ac.in>, mohammad farukh Hashmi <farooq786engg@gmail.com>

Dear Sir/ Madam,

As per the request letter sent from your college, your course is approved and you need to plan the programme and prepare the brochure and lecture schedule as soon as possible and send it to e-mail: eict.nitw@gmail.com to publish on the website.
I am also giving below the contact details of coordinator(s) and email address(es). Please contact the coordinator from NIT Warangal to plan the FDP.

AI/ML For Computer Vision Applications	1. Mr. Sunil. R. Gupta, Dept. of Electronics and Telecommunication Engineering, J D College Of Engineering & Management, Nagpur Ph. No: 8007861972 Email: sunilgupta1972.sg@gmail.com 2. Dr. Md. Farukh Hashmi, Dept. of ECE, NIT Warangal Ph. No:06303817285 Email: farooq786engg@gmail.com / mdfarukh@nitw.ac.in	40 hrs	Online	13th – 21st March, 2023

Please find the attached documents for the instructions, Participant List format.
Thank you
E & ICT

2 attachments

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
AI/ML for Computer Vision Applications
(13th March – 21th March 2023)
Organised by
Electronics & ICT Academy, NIT Warangal
In association with
J D College of Engineering & Management (JDCOEM) Nagpur, Maharashtra
(Sponsored by Ministry of Electronics and Information Technology (Moiety), GOI)

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

The FDP on AI & Machine Learning for Computer Vision Applications Focuses on providing an introduction on the impacts of Deep learning and Artificial Intelligence for CV applications. The FDP will help to disseminate the knowledge in the domain of computer vision, ML and Deep learning. It empowers the participants to understand how AI/ML, data science can be used to innovate and improve the business process.AI techniques are widely used for many applications such as Biometrics, Medical Imaging Processing, Natural Language Processing, and so on. This course will give the basics of AI concepts with applications to computer vision. It will help to upgrade the expertise and capabilities of the faculty members of various engineering institutions in India Experts cover a range of contemporary computing topics and provide with a strong theoretical basis, as well as develop critical analysis and practical skills. This FDP brings you a taste of technology and generate a quick start interest to work with future technologies.

Major Course Contents:

- Introduction to Trends and State-or Arts implementation for Computer Vision applications.
- Introduction to Artificial Intelligence, Machine Learning, Deep Learning, Representation Learning.
- Machine Learning Basics, Working with data pre-processing and data visualization using python.
- Deep Learning Regularization Techniques: Data Augmentation, Dropout, Ensemble, Parameter Sharing, etc.
- CNN Architectures for CV implementation.
- Auto Encoder and Deep learning based other Architectures.
- Object detection/Tracking using Yolo, RCN and FRCNN.
- Computer Vision Applications: Image Classification, Object Recognition and detection using Tensor Flow/ PyTorch.
- Image Segmentation, UNET, RNN Architecture and LSTM.
- Computer vision and AI algorithms implementation on Hardware platform like Jetson Nano, TX2, and FPGA etc.
- Biometrics detection, biomedical imaging, Action Recognition and Multi-view activity recognition using Deep Learning in MATLAB /Python.
- Basics of Tensor Flow/Keras/PyTorch.
- Hands-on Session using Python / MATLAB.
- Current Research – Latest Architectures, Transformer etc.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details
Account Name: **Electronics & ICT Academy NITW** Account No: **62423775910** IFSC: **SBIN0020149** Bank and Branch: **State Bank of India, NIT (REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:
https://forms.gle/xgq7ibMXxfy3y6178

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important Dates:

Last date (Application & DD)	10.03.2023
Selection List by E- mail	11.03.2023
Duration	13.03.2023 to 21.03.2023

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and Ph.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About JDCOEM Nagpur:

The Department of Electronics and Telecommunication Engineering was established in 2008 with the vision to provide quality teaching learning through well-developed infrastructure and dedicated faculties. The primary objective of the department is to impart quality education, training and research at the undergraduate level and post graduate Level in various areas of Electronics and Telecommunication. After autonomy, the curriculum offers broad coverage of the different areas of Electronics and Telecommunication Engineering and Interdisciplinary fields. The dept strive hard to provide the opportunity to the faculties and students to upgrade the knowledge in concurrent technologies by collaborating with Industries and the Premier Institutions. The dept ensures that the qualities inculcated in students make them not only good engineers but also good human beings. The Department takes pride in placing students in reputed companies all over the country.

J D College of engineering & Management (JDCOEM), Nagpur is an Educational Venture of Goyal Group of Industries, to reckon with the name of carbon additives. JDCOEM is affiliated to Dr. Babasaheb Ambedkar Technological University of Maharashtra. The college is one of the youngest Institutes in the region to be awarded with 'A' Grade by NAAC. It is the first Autonomous Institute amongst all the colleges affiliated to Technological University of Maharashtra. The Institute runs Diploma, B.Tech & M.Tech in Engineering along with research center and M.B.A. Program.

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
AI/ML for Computer Vision Applications
(13th March – 21th March 2023)
Organised by
Electronics & ICT Academy, NIT Warangal
In association with
J D College of Engineering & Management (JDCOEM) Nagpur, Maharashtra
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

1. Name :

2. Designation :

3. Institution :

4. Email :

5. Mobile No :

6.

Reference No:	
Amount:	
Bank :	
Date:	

7. Address for Correspondence:

8. Educational Qualification:

9. Subjects taught so far:

10. No. of refresher courses/workshops attended:

11. Experience (in years):

   Teaching: Research: Industry:

12. Do you belong to SC/ST :   YES /NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Date: **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. …………………………….. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"AI/ML for Computer Vision Applications"**, sponsored by **Electronics & ICT Academy** during **13th March – 21th March, 2023** at J D College of Engineering & Management (JDCOEM) Nagpur, Maharashtra.

Signature of Head of Institution
(with seal)

Address for correspondence

Mr. Sunil Gupta,
Associate Professor
Dept. of Electronics and Telecommunication
Engineering, J D College of Engineering & Management,
Nagpur, Maharsshtra, India-441501.
Mobile: +918007861972
Email: sunilgupta1972.sg@gmail.com

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Registration Link:

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
https://nitw.ac.in/eict

For more enquiries please contact:

Dr. Md. Farukh Hashmi,
Assistant Professor, ECE Deptt.
NIT Warangal-506004 (T.S.), India
Mobile: +916303817285, +919665610484,
Email: mdfarukh@nitw.ac.in

Coordinators

Dr. Md. Farukh Hashmi,
Assistant Professor, Department of ECE
National Institute of Technology
Warangal – 506 004 (Telangana State)
Email: mdfarukh@nitw.ac.in
Mobile: 9665610484/6303817285

Mr. Sunil Gupta,
Associate Professor
Dept. of Electronics and Telecommunication
Engineering, J D College of Engineering &
Management, Nagpur, Maharsshtra, India-441501.
Email: sunilgupta1972.sg@gmail.com
Mobile: +918007861972

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
AI/ML for Computer Vision Applications
(13th March – 21th March 2023)
Organized by
E & ICT Academy, National Institute of Technology, Warangal
in association with
Department of ECE, J D College of Engineering & Management (JDCOEM) Nagpur, Maharashtra

Day& Date	10.00 A.M. – 12.00 Noon		Break	2.00 P.M. – 4.00 P.M.	4.00 P.M. – 5.00 P.M.
13-03-2023 Monday	Inaugural Fn.	Neural Network: An Introduction to Neural Network For Images **SDR, IIT Delhi**		Deep Concept of Deep Learning (3 Hrs.) **KMB, VNIT Nagpur**	Deep Concept of Deep Learning **KMB, VNIT Nagpur**
14-03-2023 Tuesday	Trends in Computer Vision and Applications **MFH, NITW**			Research in Machine Learning **RBV, NITW**	Hands on Session on Python **MFH, NITW**
15-03-2023 Wednesday	Image Classifications using CNN-Hands on Session **MFH, NITW (1 Hr.)**			Auto encoders with Computer Vision Applications **EP, NITW**	Unsupervised Learning Methods **MSV, NITW (2 Hrs.)**
16-03-2023 Thursday	AI/ML for Computer Vision Applications **IIA, IIITDM Jabalpur**			Pneumonia Classification and Detection using DNN **MFH, NITW**	Image Classifications using CNN-Hands on Session **MFH, NITW**
17-03-2023 Friday	Segmentation, Object Detection and Applications **MFH, NITW**			Machine Learning for Next Generation Biometric Systems **VK, IIT Indore**	Deep Learning and Data Augmentation-Hands on Session **MFH, NITW**

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
AI/ML for Computer Vision Applications
(13th March – 21th March 2023)

18-03-2023 Saturday	**DL and Computer Vision In Sports Applications** **MFH, NITW**		**Heart-rate Monitoring From Non-Contact Face Videos** **PG, IIT Indore**	**Transfer Learning for CV Applications with Google Colab- Hands-on Session** **MFH, NITW**
20-03-2023 Monday	**Human Action Interaction** **TM, NIT Raipur**		**Deep Learning for Medical Diagnosis** **KS, MNIT Jaipur**	**ML/DL for Medical Image Analysis-Hands on Session** **MFH, NITW**
21-03-2023 Tuesday	**Applications of ML in the Aquaculture Industry** **AG, Agder University Norway**		**Applications of Deep learning and CV for Agriculture** **MFH, NITW**	**Real Time AI/ML Implementation on NVDIA and PYNQ Boards - Hands on Session** **MFH, NITW** **(1 Hr.)**

KMB: Prof. Kishore Bhurchandi, VNIT Nagpur   SDR: Prof. Sumantra Dutta Roy, IIT Delhi
RBV: Prof. R. B. V. Subramaanyam   VK: Prof. Vivek Kanhangad, IIT Indore
IIA: Dr. Irshad Ahmad Ansari, IITDM Jabalpur   KS: Dr. Kuldeep Singh MNIT Jaipur
PG: Dr. Puneet Gupta, IIT Indore   TM: Dr. T. Meenpal, NIT Raipur
AG: Dr. Aditya Gupta, University of Agder, Norway   EP: Dr. Ijjina Earnest Paul, NIT Warangal
MSV: Dr. M. Srinivas, NIT Warangal   MFH: Dr. Mohammad Farukh Hashmi, NIT Warangal