

One Week Faculty Development Program (FDP)

On

Soft Computing Techniques and Hands on with

MATLAB

(From 9th to 13th May 2022)

AITAM, Tekkali (A.P) -532201

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Institution: _____

Educational Qualification: _____

Specialization: _____

Contact No: _____

Email ID: _____

Date: _____ Signature of the Participant

Declaration

It is here by Certified that Mr /Ms. _____

_____ is a faculty member / scholar /employee of _____

_____ Institution /College /Organization.

Principal / Director (Signature with Seal)

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Sri T. Naga Raju, Treasurer

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Sri D. Chiranjeevulu, Asst. Prof, ECE

Mr. N. Maheswara Rao, Asst. Prof, ECE

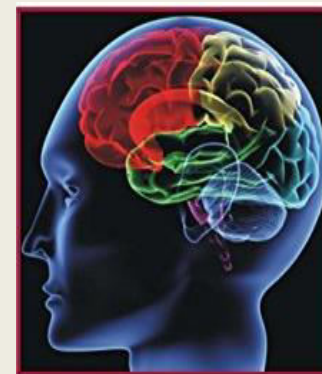
One Week Faculty Development Program (FDP)

On

Soft Computing Techniques and Hands on with MATLAB

(From 9th to 13th May 2022)

(Online Mode)



Organized by

Department of Electronics and Communication Engineering

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(An Autonomous Institution)

(Approved by AICTE, Permanently Affiliated to JNTUK Kakinada,

Accredited by NBA, NAAC A+, Recognized by UGC u/s 2(f) & 12(B), Recognized as S.I.R.O. by DSIR)

K. Kotturu, Tekkali-532201,
Srikakulam Dist., Andhra Pradesh
<https://www.adityatekkali.edu.in/>

ABOUT AITAM

Over the past two decades, Aditya Institute of Technology And Management (AITAM), a premier engineering institute in the northern coastal Andhra Pradesh located at Tekkali adjacent to NH-16 at the distance of 45 Km from District head quarters of Srikakulam has been engaged in providing quality education to the future generations of Engineers and Managers. AITAM, one of the top ranking institutes in India, has achieved global identity not only in terms of academic achievement and excellence but also in terms of its presence in research and successful completion of Govt. projects. It started in 2001 by philanthropic personalities with three B Tech programmes in ECE, CSE & IT with an intake of 180 students, today it has emerged as a leading technical institution in the State with an intake of 990 students besides providing employment to highly qualified and experienced 246 faculty and 235 supporting staff. At present, seven B.Tech. Programmes in CSE, CSE (AI&ML), IT, ECE, EEE, ME & CE, 5 M.Tech. Programmes in CSE, TE, PED,VLSI& SD, SE in addition to MBA programme are being offered for National and International students. All B.Tech programmes are accredited by NBA in 3rd cycle and autonomy was granted in 2013. Accredited by **NAAC A⁺** Grade. The institution is recognized by UGC under 2(f) & 12(B) and permanently affiliated to JNTU, Kakinada. It is one among the few Technical Institutions in India participated in TEQIP Phase –II and got grants for its academic excellence. JNTU Kakinada sanctioned Research Centers to Dept of ECE, CSE, Mech & EEE to foster research in the respective fields of the departments and contribute for the social cause and upliftment of the society and nation as a whole. The college is also recognized as Scientific and Industrial Organization by DSIR, Government of India. In last five years, an amount of around Rs.250 Lakhs is granted by different funding agencies for research and innovation in various fields of engineering and management.

ABOUT THE DEPT. OF ECE

Aditya Institute of Technology and Management established the department of Electronics and Communication Engineering (ECE) in 2001 with an initial intake of 60 students and got approval for additional intake of another 60 seats in 2009-10 and further enhanced by 60 seats in 2012-13. A Post graduate program (M.Tech) in ECE in the specialization VLSI System design was introduced in 2008-09 with an intake of 18. The Department of ECE was accredited by National Board of Accreditation thrice in 2009-10,2013-14 and 2017-18. The department of ECE is leaping forward with strength by strength over the years. Department have several research projects supported by DST, DLRL and UGC.

ABOUT THE PROGRAMME

It gives an opportunity for participants from academics institution, industry professionals and researchers to discuss and develop an understanding of various issues arising due to tremendous growth in proposed areas. This FDP focuses on basic theory, recent advancements, and research findings addressing the relevant theoretical and practical areas of Soft Computing approaches. Furthermore, individual participants will be benefited with hands-on MATLAB. This programme will go a long way for improving academic standards of the teachers and help them work on research which finally will be useful to inculcate the subject to the students.

TOPICS TO BE COVERED:

- Introduction to Soft Computing Techniques
- Single Objective Optimization for Hyperspectral Image Applications.
- Role of AI in health care.
- Nature inspired optimization algorithms & Implementation with MATLAB.
- Advanced optimization algorithms to solve problems in communications/signal processing.
- Machine learning Algorithms implementation in MATLAB
- Deep learning algorithms with implementation in MATLAB.
- Optimization algorithms with Biomedical Imaging application on MATLAB.
- Soft Computing Challengers & Future research directions.

RESOURCE PERSONS:

Prof. Rajesh Kumar, MNIT-Jaipur
Dr. Sriparna Saha, IIT-Patna
Dr. Satyasai Jagannath Nanda, MNIT-Jaipur
Dr. N. Bala Chakravarthi, NIT-Rourkela
Dr. Urvashi Prakash Shukla, Banasthali Vidyapith
Dr. Amit Joshi, MNIT-Jaipur
Dr. Jagadish Chand Bansal, South Asian University
Dr. D.Yugandhar, AITAM
Dr. Kiran Kumar Patro, AITAM

TARGET GROUP:

The present FDP is expected to benefit engineers, scientists, researchers and academicians who are working/teaching/studying in the area of the relevant/allied disciplines.

HOW TO APPLY:

The online FDP registration link will be provided. Filled Google form submitted on or before **7th MAY 2022**.

<https://forms.gle/8AsS5CGsbPnvERqD6>

*** No registration Fee***

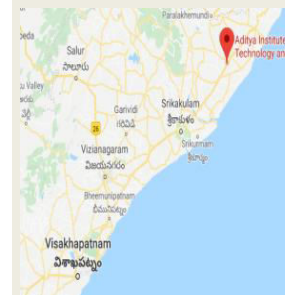
IMPORTANT DATES:

Last date of the registrations : **7th MAY 2022**
Announcement of Selected Candidates: **8th MAY 2022**

SELECTION CRITERIA:

Selection will be done based on **First-Come-First-Serve** basis. Candidates will be issued certificates on successful completion of the FDP and satisfactory performance in the test conducted at the end.

HOW TO REACH



CONTACT INFORMATION:

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Smt. E. Jaya, Coordinator
Mobile: 9966496282