

AICTE Training And Learning (ATAL) Academy Programme
on
Artificial Intelligence

(28th November 2019 to 02nd December 2019)



Organized by

Indian Institute of Information Technology, Design and Manufacturing
(IIITDM) Kurnool
(An Institute of National Importance under MHRD, Government of India)
Kurnool – 518007, Jagannathgattu, Andhra Pradesh, India

Sponsored by

All India Council for Technical Education, Government of India

About the Institute

Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kurnool was announced in 2014 after receiving the assent of the President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part – II, Section I on December 08, 2014. The Institute was announced by the Government of India to give effect to its obligation under the Andhra Pradesh Reorganization Act, 2014. IIITDM Kurnool is fully funded by MHRD and youngest among the 5 centrally funded IIITs, and launched its academic program with the support of its mentor Institute, IIITDM Kancheepuram on August 2015 from the Kancheepuram campus. Consequent upon the approval of parliament, IIITDM Kurnool was accorded the status of Institute of National Importance by making an amendment in the IIIT Act, 2014 on August 03, 2017. In 2015, the Andhra Pradesh Government allocated an area of 151 acres for the establishment of a permanent campus in Kurnool. The Institute started functioning at its permanent campus at Kurnool from July, 2018.

Currently, the Institute offers admissions to B. Tech. program in Computer Engineering, Electronics and Communication Engineering with Specialization in Design and Manufacturing and Mechanical Engineering disciplines. The Institute is going to offer M. Tech. in Data Analytics and Decision Sciences, Electronic System Design and Smart Manufacturing specializations from the next academic year. The Institute offers admission to Ph. D. program in Computer Engineering, Electronics and Communication Engineering, Mechanical Engineering and Science (Physics and Mathematics) disciplines. The Institute faculty members are highly dedicated to carrying out interdisciplinary researches and design-oriented projects in line with the mission and vision of the Institute.

Course Content

1. Introduction to Artificial Intelligence and Problem Formulations
2. Introduction to Programming Tools: Installation of SWI-Prolog/LISP and Practice on Basic Programming, and Graph Structures and Paths
3. Uninformed Search and its Implementation
4. Informed Search and its Implementation
5. Search Strategies Implementation
6. Overview of Probabilistic Reasoning
7. Bayesian Networks and its Representation
8. Implementation of Bayesian Network and Inference
9. Knowledge Representation
10. Markov Decision Process
11. Expert Systems and its Implementation
12. Reinforcement Learning
13. Case Studies of Artificial Intelligence – I
14. Case Studies of Artificial Intelligence – II

Who Should Attend

The programme is open to the faculty of Engineering Universities/Institutes/colleges, researchers, practitioners, industry personnel and students.

Sample Time Table

Name of the Institute/Organization: Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kurnool

Title of the Workshop: Artificial Intelligence

From 28/11/2019 **To** 02/12/2019

Schedule Plan

Dates	10:00 AM to 11:30 AM		12:00 PM to 01:30 PM		02:30 PM to 04:00 PM	
28/11/2019	Registration and Inauguration	Tea	Session 1 Introduction to Artificial Intelligence and Problem Formulations Dr. Sanjaya K. Panda Asst. Prof. and Head	Lunch	Session 2 Installation of SWI-Prolog/LISP and Practice on Basic Programming, and Graph Structures and Paths Dr. Sanjaya K. Panda Asst. Prof. and Head	Tea
29/11/2019	Session 3 Uninformed Search and its Implementation Prof. D. V. L. N. Somayajulu Professor		Session 4 Informed Search and its Implementation Prof. D. V. L. N. Somayajulu Professor		Session 5 Search Strategies Implementation Dr. Renjith P. Asst. Prof.	
30/11/2019	Session 6 Overview of Probabilistic Reasoning Prof. R. B. V. Subramaanyam Professor		Session 7 Bayesian Networks and its Representation Prof. R. B. V. Subramaanyam Professor		Session 8 Implementation of Bayesian Network and Inference Dr. Renjith P. Asst. Prof.	
01/12/2019	Session 9 Knowledge Representation Dr. V. Sri Kumar Group Manager		Session 10 Markov Decision Process Prof. B. Majhi Professor		Session 11 Expert Systems and its Implementation Prof. B. Majhi Professor	
02/12/2019	Session 12 Reinforcement Learning Prof. Bhat Dittakavi CEO		Session 13 Case Studies of Artificial Intelligence – I Prof. Bhat Dittakavi CEO		Session 14 Case Studies of Artificial Intelligence – II Dr. V. Sri Kumar Group Manager	

Registration Link:

<https://docs.google.com/forms/d/e/1FAIpQLSfLN98idrHENuMzgChSolKjCzkCKLRpLvuj3sIO0Wo1cp0Azw/viewform?vc=0&c=0&w=1>

Instructions:

- The participants to the programme will be faculty and Ph. D. Scholars from AICTE approved technical institutions.
- There is no registration fee from any participant. No TA/DA will be paid to any participant.
- Participants will have to make their own stay arrangement during the five days.
- Only tea during sessions/working lunch will be provided to the participants.
- If selected, I agree to abide by the rules and regulations of the programme and IIITDM, Kurnool, and shall attend the course for the entire duration.
- On completion of the programme on all the days, participants will be awarded a certificate of participation.
- This application (hard copy) must be forwarded through the Head of the Institution/Department to the Coordinator.
- The last date for the receipt of duly forwarded application is **16th September 2019**.
- The selected candidates will be informed through e-mail by **20th September 2019**.

Coordinator

Dr. Renjith P.
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Indian Institute of Information Technology, Design and Manufacturing, Kurnool, Andhra Pradesh

(An Institute of National Importance under MHRD, Govt. of India)

AICTE Training And Learning (ATAL) Academy Programme Registration Form

NOTE: The participants to the programme will be faculty and Ph. D. Scholars from AICTE approved technical institutions. There is no registration fee from any participant. No TA/DA will be paid to any participant. Participants will have to make their own stay arrangement during the five days. Only tea during sessions/working lunch will be provided to the participants. On completion of the programme on all the days, participants will be awarded a certificate of participation.

- Yes, I agree
 No

Full Name (in Block LETTER)	
Date of Birth (MM/DD/YYYY)	
Name of College/Institution/University/ Organization	
Designation	
Qualification	
Experience (in Years)	
Area of Interest/Specialization	
Email	
Mobile Number	
Address	
No. of Refresher Courses/Workshops/FDPs Attended	
Programme Name	<input type="checkbox"/> Data Science (21 st – 25 th November 2019) <input type="checkbox"/> Artificial Intelligence (28 th November – 2 nd December 2019) <input type="checkbox"/> Internet of Things (5 th – 9 th December 2019)
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 programme and IIITDM, Kurnool, and shall attend the course for the entire duration. This application (hard copy) must be forwarded through the Head of the Institution/Department to the Coordinator. The last date for the receipt of duly forwarded application is 16th September 2019 .	<input type="checkbox"/> Yes, I agree <input type="checkbox"/> No
Signature of the Candidate	Head of the Institution/Department with Seal