Detailed Session Planning
Basic AICTE ATAL FDP
RECENT AI APPLICATIONS IN MEDICAL & AGRICULTURE
18thDecember to 23rd December 2023

Time	Day 1 18-12-2023	Day 2 19-12-2023	Day 3 20-12-2023	Day 4 21-12-2023	Day 5 22-12-2023	Day 6 23-12-2023
9:00 to 9:30	Inauguration					
9:30 to 12:00	Session 1 Prof. C. Krishna Mohan, Professor, IIT, Hyderabad, TS	Session 3 Dr. C. Nagaraju, Professor, Yogi Vemana University, Kadapa, AP	Session 5 Dr. A Rajanikanth, Professor, Department of Information Technology, CBIT, Hyderabad, TS	Session 7 Dr. USN Raju, Associate Professor, Department of CSE, NIT Warangal, TS	Session 9 Multidisciplinary Courses-Reforms in Evaluation in line with NEP 2020 Dr Y. Narsimhulu, Former Director, HRDC, University of Hyderabad, Hyderabad	Session 11 Dr. V. Vijaya Kumar, Professor, Department of CSE, Anurag University, Hyderabad, TS
12:00 to 1:00	Article Discussion 1	Article Discussion 1	Article Discussion 2	Article Discussion 2	Reflection Journal	Reflection Journal
	1:00 PM – 2:00 PM Lunch					
2:00 to 4:30	Session 2 Dr. M. Srinivas, Assistant Professor, Department of CSE, NIT Warangal, TS	Session 4 Industrial visit	Session 6 Prof. G. Rama Murthy, Professor, Mahindra University, Hyderabad, TS	Session 8 Dr. K. V. Kadambari, Associate Professor, Department of CSE, NIT Warangal, TS	Session 10 Dr. E. Suresh Babu, Assistant Professor, Department of CSE, NIT Warangal, TS	Session 12 MCQ, Feedback & Interactions
4:30 to 5:30	Practical sessions/ Labs		Practical sessions/ Labs	Practical sessions/ Labs	Practical sessions/Labs	4:00 – 5:00 Valedictory Session

Article 1: J. Prudviraj, M. I. Reddy, C. Vishnu and C. K. Mohan, "AAP-MIT: Attentive Atrous Pyramid Network and Memory Incorporated Transformer for Multisentence Video Description," in IEEE Transactions on Image Processing, vol. 31, pp. 5559-5569, 2022, doi: 10.1109/TIP.2022.3195643.

Article 2: K. Ramana, M. R. RajanikanthAluvala, and G. N. Kumar, "Leaf disease classification in smart agriculture using deep neural network architecture and IoT," Journal of Circuits, Systems and Computers, vol. 31, no. 15, 2022.

VIDYA JYOTHI
INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION

FACULTY DEVELOPMENT PROGRAM ON
RECENT AI APPLICATIONS
IN MEDICAL & AGRICULTURE
18th to 23rd December, 2023

Sponserd by
AICTE Training And Learning (ATAL) Academy

Organized by
Department of Artificial Intelligence
Vidya Jyothi Institute of Technology
Aziz Nagar, Hyderabad – 500075, Telangana, India.

CHIEF PATRONS

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CO-COORDINATOR

Dr. P. Rambabu
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Vidya Jyothi Institute of Technology was established in 1998 by Vidya Jyothi Educational Society, by a group of committed academicians and enterprising educationists. VJIT quickly won the confidence of the parent community and the students to become one of the select destinations for future engineers. VJIT is an autonomous institute under UGC, accredited by NAAC with A+ Grade, approved by AICTE and permanently affiliated with JNTU(H). CSE, ECE, EEE, MECH and IT departments are accredited under Tier-1, and Civil Engineering is accredited under Tier-2 by NBA. The Institution offers 10 B.Tech, 6 M.Tech and MBA programmes. The Institute has received 1.5 crore rupees research grants from DRDO, UGC and DST. The faculty members are actively engaged in research work and publish their findings regularly in standard national and international Journals and Conferences. Institute is well equipped with state of the art infrastructural facilities with a built up area of 22000 square meters.

HIGHLIGHTS OF VJIT

- NIRF -2023 Under Innovation category 151-300 rank band
- NIRF-2022 Rank 200 in Engineering Category
- Center of Excellence in Software Testing with Virtusa
- Center of Excellence with EPAM for all branches
- JNTUH recognized Research Centers for CSE, ECE, ME & EEE

ABOUT DEPARTMENT OF ARTIFICIAL INTELLIGENCE

The Artificial Intelligence (AI) Department was established in 2019 with an intake of 60 students and the intake was increased to 120 in 2020. The Department is presently offering a B.Tech courses in AI and AI&DS. The BOS (Board of Studies) of AI Department is having strong industry and academia representatives from Microsoft, EPAM India and United Online Software Development Pvt. Ltd. The first footprint of AI in VJIT intends to serve the industry as a source of talent through latest academic outreach programs and concentrates to expand its academic areas as per the industry requirement. It aims to groom the students in careers who can rapidly integrate and synchronize the use of sophisticated computer software and programs in addition to specific skill sets to support and lead projects in robotics and automation in AI.

ABOUT ATAL

- The vision of the ATAL Academy is to empower the faculty to achieve goals of Higher Education such as access, equity, and quality.
- The academy supports technical institutions in fostering research. innovation and entrepreneurship through training.
- ATAL Academy provide a variety of opportunities for training and exchange of experiences such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes.
- ATAL Academy stress upon empowering technical teachers and technicians using Information & Communication Technology.

ABOUT THE FDP

This FDP is aimed at imparting knowledge and training on the fundamentals and advancements of artificial intelligence and machine learning in healthcare and agriculture. Expert lectures will be delivered by faculty members from academia and industry. This programme will be beneficial to faculty members, research scholars, PG students who intend to pursue research in the field of processing and analysis of data using technologies such as Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) for Healthcare and Agriculture. At the end of the program, the participants should be able to understand and apply the following topics:

- How AI, machine learning and deep learning works along with motivations in healthcare and agriculture.
- Applications of AI, machine learning and deep learning in healthcare and agriculture sector.
- How to formulate problems into artificial intelligence, machine learning and deep learning framework.
- Apply the concepts and practical knowledge in analysis, design and development of AI, machine learning, deep learning techniques.
- Practical session on machine learning and deep learning techniques by using python majorly in healthcare and agriculture.
- Disease types in both healthcare and agriculture that the AI and machine learning communities are currently tackling.
- Target Participants Assistant Professors/ Associate Professors/Ph.D. scholars/PG students of the AICTE recognized universities and engineering colleges.

Resource Persons: Eminent Professors and experts from reputed Institutions like IITs, NITs, Central Universities and from Industry.

1. **Prof. C. Krishna Mohan,** Professor, Department of CSE, IIT Hyderabad
2. **Dr. V. Vijaya Kumar,** Professor, Department of CSE, Anurag University, Hyderabad
3. **Dr. C. Nagaraju,** Professor, Department of CSE, Yogi Vemana University, Kadapa
4. **Prof. Y. Narsimhulu,** Former Director, HRDC, University of Hyderabad
5. **Prof. G. Rama Murthy,** Professor, Department of CSE, Mahindra University, Hyderabad.
6. **Dr. USN Raju,** Associate Professor, Department of CSE, NIT Warangal.
7. **Dr. K. V. Kadambari,** Associate Professor, Department of CSE, NIT Warangal
8. **Dr. E. Suresh Babu,** Assistant Professor, Department of CSE, NIT Warangal
9. **Dr. M. Srinivas,** Assistant Professor, Department of CSE, NIT Warangal
10. **Dr. A Rajanikanth,** Professor, Department of Information Technology, CBIT, Hyderabad.

Registration Fee: Nil

There is no fee for attending this FDP Participants can register for this course on AICTE ATAL by following steps
https://atalacademy.aicte-india.org/signup

HOW TO REGISTER?

Step 1. One can Register themselves with an email id (sign up). If one has already registered, then login.

Step 2. Click on Workshops FDPs.

Step 3. Search by type "ATAL" and Month "December" from above dropdown box.

Step 4. Search "Recent AI Applications in Medical & Agriculture"

Step 5. Click the RED plus sign button to register.

Step 6. A short notification "successfully course registered" appears.

Step 7. One can also check their registration by clicking on the Applied Workshops (after done successfully registration)

Number of Seats (Maximum): 50
(on first come first basis)

Test & e-Certificate

- A test shall be conducted by the coordinator at the end of the program.
- The e-certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

CONTACT DETAILS
CO-ORDINATOR

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