BVRIT HYDERABAD College of Engineering for Women
(Approved by AICTE | Affiliated to JNTUH)
(NAAC Accredited – A Grade | NBA Accredited B. Tech. (EEE, ECE, CSE and IT))
Bachupally, Hyderabad -500 090

Name of the Event: ATAL FDP on Artificial Intelligence for Agriculture Innovation(AI4AI)

Date(s) of Conduction: 11-12-2023 to 16-12-2023

No. of Participants: 51

Faculty Co- coordinators: Dr. B. Lakshmi Praveena, Prof & HOD, Dept. of CSE(AI&ML)
Dr. Ch Edukondalu, Assoc. Prof, Dept, of CSE(AI&ML)

About the Event:

Dr. Arun Kumar Pujari, *Adviser & Professor Emeritus, Mahindra University*

Education:
- Executive Program on Business Analytics from IIM Calcutta, India
- Master's in engineering with Distinction from IIT Kharagpur, India
- Bachelor's in engineering with Distinction from Nagarjuna University, India
- Diploma in Engineering with Distinction from SBTE&T, Hyderabad, India

Experience:
- Worked as a Senior Research Fellow to carry out research work by using Finite Element Method at IIT Kharagpur under Dr. Krishnan - DAE Fellowship, sponsored by Baba Atomic Research Centre (BARC), Mumbai - India.

Mr.G.Naga Raju, Start-up Mentor, IT Business & Technology Leader,Edupreneur, Professor of the Practice

Education:
- Ph.D (IIT/Kanpur) 1980

- M.Sc (Sambalpur University) 1974

Experience:
- 1980-81: Lecturer, Govt. College, Angul, Odisha.
- 1982-83: Assistant Professor of Computer Science, Jawaharlal Nehru University, New Delhi.
- 1985-90: Reader (or, Associate Professor) of Computer Science, School of Mathematics and Computer/Information Sciences, University of Hyderabad.
- 1990-19: Professor of Computer Science, Department of Computer & Information Sciences, University of Hyderabad.
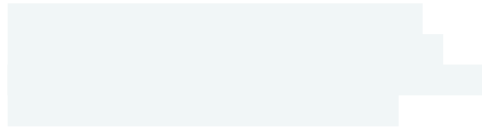
Mr.Raja Venkat Ram, Data Scientist, Verizon.

Education

- Masters Degree in Business Analytics from Bits Pilani, India

Experience

- 7 years of valuable experience in multiple MNC's such as Mahindra Satyam, TCS, IBM.

Dr. Chandra Mohan D, *Assistant Professor,IIIT, Sricity, Chittoor*

Education

- Ph.D. in Computer Science and Engineering, NIT Warangal.

- M.E. in Computer Science and Engineering, Jadavpur University, Kolkata

Experience

- 7 years of teaching experience.

Education

- M.Tech, Ph.D

Experience

- Associate Professor | SRM University-AP, Andhra Pradesh
- Associate Professor |Dept. of CSE, MES College of Engineering Kuttippuram, Kerala
- Assistant Professor | Dept. of IT, MES College of Engineering Kuttippuram, Kerala
- Lecturer | Dept. of IT, MES College of Engineering Kuttippuram, Kerala

Education

- M.Tech, Ph.D

Experience

Dr. Randhir Kumar, SRM,AP

Education
- M.Tech, Ph.D

Experience

- October 2021- July 2021- Postdoctoral – IIT Hyderabad
- July 2017- August 2018- Assistant Professor – PSIT Kanpur
- August 2014- Sept 2015 – Assistant Professor – JLU Bhopal
- July 2009-August 2014 – Assistant Professor – GGITM Bhopal

Dr. Damodar Reddy, NIT,Goa

Education
- M.Tech. Indian School of Mines, Dhanbad, 2009 Computer Science & Engineering
- Ph.D. Indian School of Mines, Dhanbad, 2012 Computer Science & Engineering

Experience
- Head of the CSE Department (October 2015 - May 2018)
- Nodal Officer/GIAN
- Training & Placement Officer (March 2015 - July 2017)
- First Appellate Authority
- Nodal Officer-NIRF

Dr. Bala Krishnan, Principal Scientist, NAARM, Hyderabad, Telangana

Education
- M.Sc.(CS), MBA, Ph.D.(CS), PGDBI

Experience

- Dr M. Balakrishnan started his career as Scientist at CARI, Port Blair, in 1999 and served there for one decade for various posts

- He moved to NAARM and is working as Senior Scientist since July 2012 and was later promoted to the position of Principal Scientist

The schedule of the workshop was as below-

	9.30 to 12.00 PM	12:00pm to 1:00pm	1:00pm to 2:00pm	2.00 PM to 4.30 PM	4.30 PM to 5.30 PM
Day-1 (11.12.2023) 9.00 to 9.30 AM Inauguration	**Session -1** Introduction to AI by Dr. Arun Kumar Pujari			**Session -2** The Need of AI in Agriculture Innovation by Mr.G.Naga Raju,	Hands on Session on AI tools
Day-2 (12.12.2023)	**Session -3** Understand the machine learning algorithms for prediction of deficient demand prediction by Mr.Raja Venkat Ram	**Article Discussion**	**Lunch**	**Session -4** Role of Machine Learning for prior detection pest attacks by Mr.Raja Venkat Ram	Hands on Session Tensor flow for image analysis
Day-3 (13.12.2023)	**Session -5** Convolutional Neural Networks and Computer vision in Agriculture Applications by Dr. Chandra Mohan D			**Session -6** Artificial Neural Networks in Agriculture Applications by Dr. Chandra Mohan D	Hands on Session on ANN Algorithms to solve real time problems.
Day-4 (14.12.2023)	**Session -7** Research challenges in Artificial Intelligence for Agriculture by Dr Sobin C C			**Session -8** Role of AI and blockchain in Agriculture by Dr. Randhir Kumar	Hands on Session on Blockchain Algorithms to solve real time problems
Day-5 (15.12.2023)	**Industrial Visit. A-Idea startup by NAARM, Rajendra Nagar, NAARM Campus, Hyderabad.**			**Session -9** Understand the method of crop damage prediction and analysis using computer vision methods by Dr. Damodar Reddy	Hands on Session on ML algorithms with python
Day-6 (16.12.2023)	**Session -10** AI tools for analysing misuse of pesticides by Dr. Bala Krishnan	**Reflection Journal**		MCQ, Feedback, & Interaction	Valedictory Session

The inauguration was held on 11th Dec 2023 offline at 9:00 am. Chief Guest of the program was Dr.Arun Kumar Pujari (Professor, Adviser, Mahindra University, Hyd.), Guest of Honour of the function were Mr.G.Nagaraju (Eduprenuer, Startup mentor, Data scientist).

Chief guest Dr.Arun Kumar Pujari addressed the gathering and continue the session on "Introduction to AI" in the session-1 of 11th Dec 2023. The afternoon session-2 was handled by Mr.G.Nagaraju on "The Need of AI in Agriculture Innovation". Dr.K.V.N. Sunitha, Principal of BVRITH delivered welcome speech and introduced about AICTE and initiatives of AICTE. Dr. Ch.Edukondalu, Co-Coordinator delivered speech on ATAL FDP importance and aim of FDP. Dr. Lakshmi Praveena Bellamkonda , Coordinator proposed the objectives of fdp "Artificial Intelligence on Agriculture Innovations" and importance of AI in Agriculture. Also delivered the Vote of Thanks.

Day1: Inaugural Ceremony

Day 2 : Speaker : Mr.Raja Vankat Ram, Data Scientist, Verizon

Day-3: Speaker: Dr.Chandra Mohan D, IIIT, Sricity

Day-4: Speakers : Dr. Sobi.C.C, SRM, AP & Dr. Randhir Kumar, SRM, AP

Day-5: Speaker : Dr. Damodar Reddy, NIT, Goa.

Industrial Visit : a-Idea, NAARM, Hyderabad.

Day-6: Speaker : Dr. Bala Krishnan, Principal Scientist, NAARM, Hyd.

Sign of HoD