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Date:12-01-2024

Centre for Artificial Intelligence Activity Report

Title of activity:	Two-day FDP on "Artificial Intelligence, Robotics and Internet of Things"		
Duration of activity:	Nov. 2, 2023 and Nov. 3, 2023		
Number of participants:	53		
Organized by:	Centre for Artificial Intelligence		
Brief Description of the activity:	The training module was conducted with an intent to equip the internal faculty members with the concepts and tools of Artificial Intelligence, Robotics and Internet of Things. The contents delivered during the training module are described briefly as:		
	• Day-1: Two sessions were conducted on Day 1 of the FDP. Session 1 covered the insights of electrical vehicles and robotics with MATLAB and Simulink. In Session 2, concepts of Internet of Things with MathWorks were discussed.		
	• Day-2: During the second day of the training, the concepts of Artificial Intelligence were discussed along with the use of artificial intelligence in engineering applications with MATLAB.		
	During all the sessions of the training module a thorough hands-on practice was carried out using MATLAB, Simulink and MathWorks to clearly explain and implement the concepts of Artificial Intelligence, Robotics and Internet of Things, feedback was taken at the end of the training module.		
Name of the Trainers:	 Mr. Anshuman Prakash, Senior Application Engineer-MATLAB, ARK Infosolutions Mr. Pratik Deshpande, Application Engineer (Electrification and Electrical Vehicle Expert), ARK Infosolutions 		
Objectives of the activity:	 Foster a collaborative learning environment and to provide fundamental knowledge and insights on AI, Robotics and IoT basics. Facilitate the development of practical skills through hands-on activities, coding exercises, and real-world applications. Promote problem-solving abilities by encouraging participants to discuss and solve challenges related to the discussed concepts. 		
Outcomes of the activity:	 After completing the activity, the participants were able to: Recall and recognize AI, Robotics and IoT basics. Remember key concepts, algorithms, and terminology through readings and discussions. Implement the discussed concepts using MATLAB, Simulink and MathWorks. Integrate various concepts to design solutions and contribute to the development of practical applications. 		



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Mode of activity: Online (Google Meet)

Dr. Vibha Tiwari

Dr. Rajni Ranjan Singh Makwana Coordinator

Centre for Artificial Intelligence



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Schedule of FDP on "Artificial Intelligence, Robotics and Internet of Things"

			Resource
Date	Time	Session Contents	Person
2 November, 2023	01:00 PM to 03:00 PM	Insights of EVs and Robotics with	Mr. Pratik
(Thursday)		MATLAB & Simulink	Deshpande
	03:15 PM onwards	IoT with MathWorks	Mr. Anshuman
			Prakash
3 January, 2023	01:00 PM onwards		Mr. Anshuman
(Friday)		Use of AI in Engineering Applications with	Prakash
		MATLAB	



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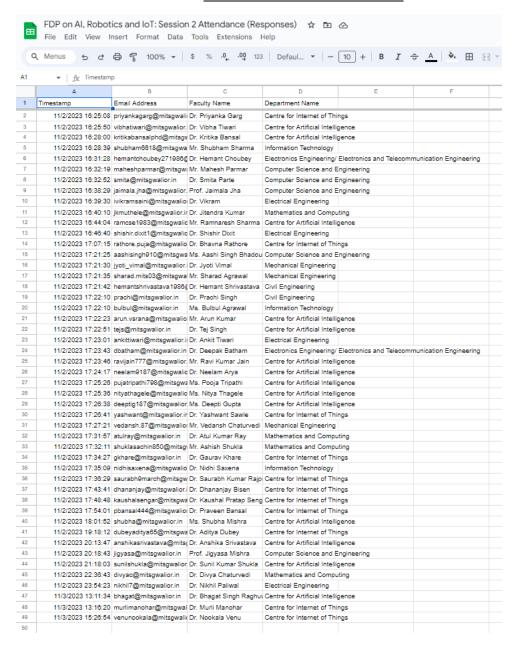
Event Attendance





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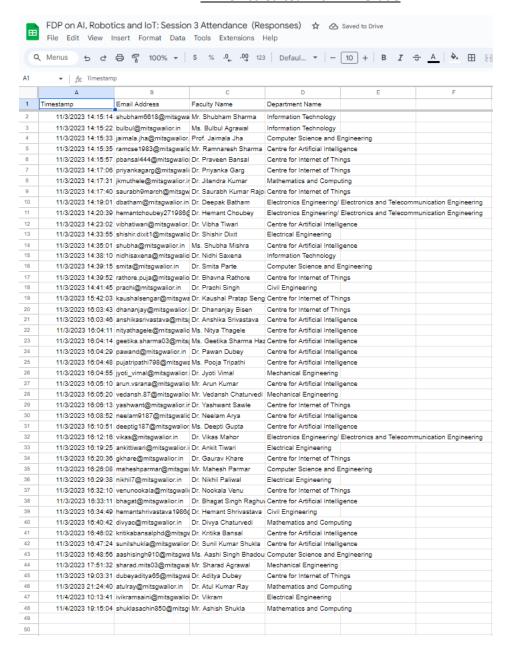
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Assessment of FDP on "Artificial Intelligence, Robotics and Internet of Things"

S.No.	Faculty Name	Department	Marks
1	Dr. Aditya Dubey	Centre for Internet of Things	14 / 15
2	Praveen Bansal	Centre for Internet of Things	15 / 15
3	Smita Parte	Computer Science and Engineering	14 / 15
4	Dr Murli Manohar	Centre for Internet of Things	14 / 15
5	Dr Vikas Mahor	Electronics Engineering/ Electronics and	13 / 15
		Telecommunication Engineering	
6	Geetika Hazra	Centre for Artificial Intelligence	7 / 15
7	Ashish Shukla	Mathematics and Computing	15 / 15
8	Dr. Shishir Dixit	Electrical Engineering	15 / 15
9	Dr Prachi Singh	Civil Engineering	13 / 15
10	Shubham Sharma	Information Technology	15 / 15
11	Dr Jyoti Vimal	Mechanical Engineering	10 / 15
12	Pooja Tripathi	Centre for Artificial Intelligence	11 / 15
13	Dr Dhananjay Bisen	Centre for Internet of Things	14 / 15
14	Dr. Neelam Arya	Centre for Artificial Intelligence	13 / 15
15	•		15 / 15
	Ms. Bulbul Agrawal	Information Technology	
16	Dr Hemant Choubey	Electronics Engineering/ Electronics and Telecommunication Engineering	15 / 15
17	Dr. Kaushal Pratap Sengar	Centre for Internet of Things	14 / 15
18	Dr. Anshika Srivastava	Centre for Artificial Intelligence	14 / 15
19	Sharad Agrawal	Mechanical Engineering	12 / 15
20	Mahesh Parmar	Computer Science and Engineering	14 / 15
21	Bhagat singh Raghuwanshi	Centre for Artificial Intelligence	13 / 15
22	Dr Gaurav Khare	Centre for Internet of Things	12 / 15
23	Dr. Priyanka Garg	Centre for Internet of Things	12 / 15
24	Deepak Batham	Electronics Engineering/ Electronics and Telecommunication Engineering	14 / 15
25	Dr Tej Singh	Centre for Artificial Intelligence	14 / 15
26	Shubha Mishra	Centre for Artificial Intelligence	15 / 15
27	Dr. Nidhi Saxena	Information Technology	14 / 15
28	NITYA THAGELE	Centre for Artificial Intelligence	12 / 15
29	Dr. Jitendra Kumar	Mathematics and Computing	11 / 15
30	Aashi Singh Bhadouria	Computer Science and Engineering	14 / 15
31	Ramnaresh Sharma	Centre for Artificial Intelligence	13 / 15
32	Vedansh Chaturvedi	Mechanical Engineering	12 / 15
33	Jigyasa Mishra	Computer Science and Engineering	15 / 15
34	Dr.Divya Chaturvedi	Mathematics and Computing	12 / 15
35	Dr. Atul Kumar Ray	Mathematics and Computing	12 / 15
36	Deepti Gupta	Centre for Artificial Intelligence	8 / 15
37	Dr. Hemant Shrivastava	Civil Engineering	10 / 15
38	Pawan Dubey	Centre for Artificial Intelligence	11 / 15
39	Saurabh Kumar Rajput	Centre for Internet of Things	14 / 15
40	Bhavna Rathore	Centre for Internet of Things	14 / 15
41	Dr. Nikhil Paliwal	Electrical Engineering	14 / 15

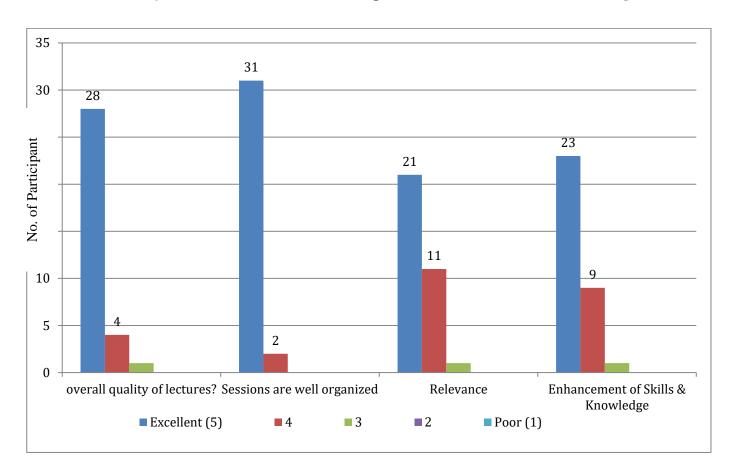


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Feedback Analysis of FDP on "Artificial Intelligence, Robotics and Internet of Things"



Additional comments/suggestions by the participants:

- Off-line FDPs shall be more informative, interactive and knowledgeable
- Very informative and interesting sessions.
- Kindly share the materials including PPTs and PDFs
- Well organized event
- Nice
- Good Nothing
- It was good
- All Good



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Some Glimpse of the FDP

