माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

CENTRE FOR INTERNET OF THINGS

Event Report: Session on the Need for Startups and Live Projects

Organized by: Centre for Internet of Things

Date: March 14, 2024

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1. Introduction

On **March 14, 2024**, the Centre for Internet of Things (IoT) hosted an orientation session for students, highlighting the importance of startups in the IoT ecosystem and discussing the significance of live projects for hands-on learning and career development. The session was aimed at inspiring the students to think beyond traditional academic learning and embrace the entrepreneurial spirit, using real-world projects as a platform for innovation and skill-building.

The event also emphasized the growing role of IoT in various industries and how startups such as UCL.com contribute to advancing technology, business, and research in this rapidly evolving field.

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2. Objective of the Orientation

The primary objectives of the orientation session were:

- To introduce students to the concept of startups and their significance in today's tech-driven world.

- To explain the importance of live projects as a part of the learning process in academic programs.

- To discuss the role of startups like UCL.com in the development of innovative IoT solutions.

- To motivate students to explore entrepreneurial opportunities and gain hands-on experience in the field of IoT.

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3. Keynote Speakers and Presentations

The session featured a series of expert speakers, including faculty members and industry professionals, who shared their insights on various aspects of startups, innovation, and live projects.

- **Dr. Aditya Dubey, Assistant Professor, Centre for IoT**: **Dr. Aditya Dubey** began the session with a brief introduction to the world of startups, stressing their role in fostering innovation. He elaborated on how startups in the IoT space contribute to the growth of technology solutions that impact industries like healthcare, manufacturing, agriculture, and transportation. He highlighted the need for students to develop an entrepreneurial mindset and look at their education as a pathway to real-world applications.

- **Mr. Pranjal Dubey**: The speaker of the session Mr. **Pranjal Dubey** provided a comprehensive overview of UCL.com, a startup leveraging IoT solutions to transform urban infrastructure.

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He shared success stories of the company's journey, emphasizing the challenges faced and the innovative solutions implemented to address those challenges. Mr. **Pranjal Dubey** underscored the need for fresh talent to work on live projects, explaining how students could contribute to startups like UCL.com while gaining valuable industry experience.

- **Dr. Murli Manohar, Assistant Professor, Centre for IoT**: The session by **Dr. Murli Manohar** focussed on the importance of live projects in bridging the gap between academic learning and industry needs. He eloborated how live projects give students an opportunity to solve real-world problems using IoT technology. He emphasized on how the projects also provide valuable exposure to project management, client interaction, and product development processes.

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4. Importance of Startups in IoT Development

The session thoroughly explored the vital role of startups in the evolution of IoT. Key points discussed included:

- **Innovation**: Startups like UCL.com are often at the forefront of technological innovation, offering solutions that challenge traditional models and push the boundaries of what's possible with IoT technology.

- **Flexibility and Agility**: Startups are able to quickly adapt to new trends and emerging technologies. This agility allows them to experiment and implement new ideas that can revolutionize industries.

- **Real-World Applications**: Startups in the IoT space are focused on delivering solutions that address real-world challenges, such as smart cities, connected healthcare, environmental monitoring, and autonomous transportation systems.

- **Entrepreneurial Opportunities**: Working in a startup environment offers students the opportunity to be part of a growing venture, where they can have a direct impact on product development, problem-solving, and even company growth.

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5. Significance of Live Projects

The discussion shifted to the importance of live projects for students in understanding the practical aspects of the IoT field. Several key points were highlighted:

- **Hands-On Learning**: Live projects provide students with the opportunity to apply theoretical knowledge to real-world problems. This hands-on experience is crucial for reinforcing academic concepts and making students industry-ready.

- **Industry Collaboration**: Students working on live projects often collaborate with industry professionals, giving them valuable exposure to business practices, market requirements, and client relationships.

- **Skill Development**: Live projects allow students to develop a range of skills, from technical expertise in IoT solutions to soft skills like communication, teamwork, and problem-solving.

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- **Career Prospects**: Completing live projects significantly enhances a student's resume, making them more attractive to potential employers. It also opens up opportunities for internships, job offers, and entrepreneurial ventures.

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6. Role of UCL.com in Supporting IoT Projects

The session also emphasized on the contribution of UCL.com, an innovative startup that leverages IoT technology to transform urban living. Key insights shared by Mr. **Pranjal Dubey** included:

- **Smart City Solutions**: UCL.com is actively involved in the development of smart city projects, using IoT to optimize urban infrastructure, reduce energy consumption, and improve transportation systems.

- **Collaboration with Universities**: UCL.com has established partnerships with academic institutions to provide students with the opportunity to work on live projects, internships, and research initiatives. These collaborations enable students to gain exposure to the latest technologies and contribute to meaningful projects.

- **Internships and Job Opportunities**: UCL.com offers students the chance to apply for internships that provide hands-on experience in IoT solution development, helping them kick-start their careers.
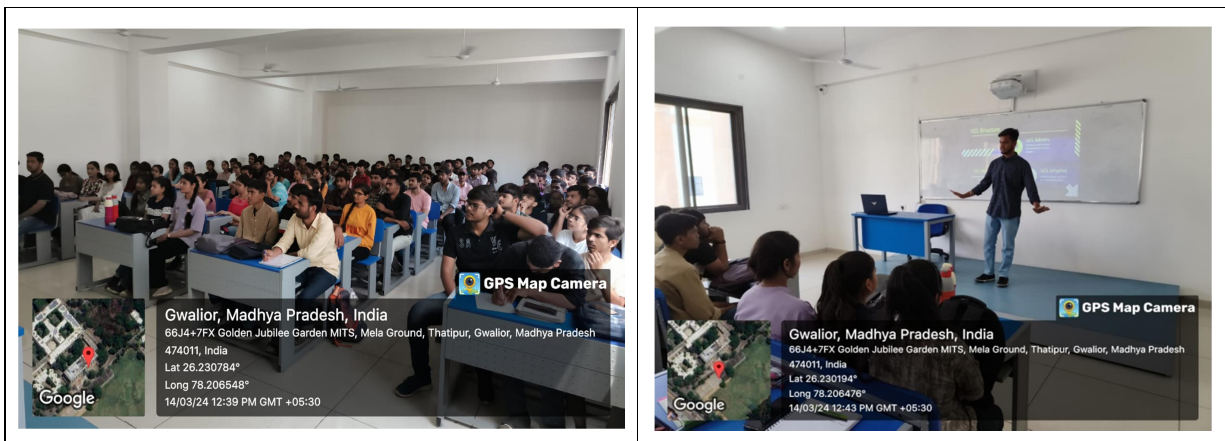
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7. Interactive Q&A Session

After the presentations, an interactive Q&A session allowed students to ask questions about the startup ecosystem, live projects, and career opportunities in the IoT industry. Students expressed their interest in working with startups like UCL.com and asked for advice on how to start their own ventures in the IoT space.

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8. Event Photographs:

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9. Attendance sheet:

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Session on the Need for Startups & Live Projects

ATTENDANCE SHEET

Date of Event : 14/03/2024

Sr. No.	Enrolment No.	Name of Student	Signature
1	0901JO231041	Pragya Singh	
2	0901IO243002	Anushka Markhe	
3	0901IO231045	Preeti Gautam	
4	0901IO231029	Khushi Mishra	
5	0901IO243001	Aishwarya Markhe	
6	0901IO231039	Pakhee Shyamkunway	
7	0901IO231030	Khushi Shakya	
8	0901IO231072	Vansh Kulshrestha	
9	0901ID231011	Ayan Ahmed Khan	
10	0901IO231084	Md. Abrar Qureshi	
11	0901IO231010	Aryan Prajapati	
12	0901JO243003	Rajradhan Singh Parmar	
13	0901IO231019	GULSHAN	
14	0901IO231073	Varun Gaud	
15	0901JO231036	Nitesh Patidar	
16	0901IO231033	Mehak Kapoor	
17	0901IO231069	Swati Yadav	
18	0901IO231035	Mohd Faisal Khan	
19	0901IO231013	Dev Dutt Shukla	
20	0901IO231004	Aman Pachori	
21	0901EC231057	Ishika Kamkane	
22	0901IO231001	Aarya Sharma	
23	0901JO231085	Aman Parihar	

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No.	ID	Name	Signature
24	0901IO231008	Arbit Sharma	Sharma
26	0901IO231010	~~Gaurav~~ Piyush Yadav	Piyush
27	0901IO231007	Ankit Jarman	Ank
28	0901IO231028	Khushi Kumari	Khushi
29	0901IO231071	Utkarsh Soni	Soni
30	0901IO231055	Sandhya Gupta	Sandhya
31	0901IO231074	Vedika Shivalkar	Shivalkar
32	0901IO231015	Devanshu Gupta	Gupta
33	0901IO231014	Devansh Jain	Jain
34	0901IO231017	Dhanesh Dubey	Dhanesh
35	0901IO231076	Divell Dubi	Divi
36	0901IO231068	Suryanshu Rathore	
37	0901IO221606	Amon singh Bhadauriya	
38	0901IO231026	Jay partap singh Bhadauriya	Jay
39	0901IO231003	Abhishek Singh Narwariya	AS
40	0901IO233005	Udit gupta	Udit
41	0901IO231037	Om Chouksey	Om
42	0901IO231023	Hitansh Remkun	Hitansh
43	0901IO231065	Shubh Gupta	Shubh
44	0901EO231055	Rishabh Singh Rajawat	Rishabh
45	0901EO231088	Nitih Sharma	Nitih
46	0901EO231064	Shubhank Tripathi	SG
47	0901EO231049	Prujamrvada Bondriya	Bondriya
48	0901EO231051	Radhika Babar	RBabar
49	0901EO231092	Piyush Paliya	Piyush
50	0901EO231005	Adwait Khare	Adwait
51	0901EO231006	Akshjeet Singh Solanki	Akshjeet
52	0901EO231030	Lavanya Tiwari	Lavanya
53	0901EO231061	Saurabh Joni	Saur

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No.	ID	Name	Signature
54	0901I0231022	Harshit Gupta	
55	0901E0231014	Ayush Rajput	Ayush
56	090E0231057	Rishi Sharma	Rishi
57	0901E0231072	Varenyam Joshi	Varey
58	0901E0231070	Tarun Adhwary U	
59	0901E0243D01	Prajapati Vivek Rambir	Vivek
60	0901E0231024	Harshit Kadam	H
61	0901E0231025	Talaj Sharma	Talaj
62	0901I0231021	HARSH SHARMA	
63	0901I0231059	8 Shashank Patidar	Shashank
64	0901E0231024	Meghendra Rahangdale	Meghendra
65	0901E0231008	Anik Sharma	ASharma
66	0901E0231009	Anurag Kulshrestha	
67	0901I0221051	Poorvi Shrivastava	Poorvi
68	0901I0221071	Tanmay Bhadarya	Tanmay
69	0901I0221031	Divyansh Soni	Divyansh Soni
70	0901I0221016	Anurag Yadav	
71	0901I0221039	Jayant Rang	Jayant
72	0901I0221005	Aditya Jaiswal	Aditya
73	0901I0221027	Devashish Bose	
74	0901I0221008	Akshat Mishra	
75	0901I0221045	Naina Pandey	
76	0901I0221054	Prasoon Sharma	P
77	0901I0221048	Nikhil Batham	Nikhil
78	0901I0221029	Divyansh Dwamanga	Divyansh
79	0901I0221024	Ayush Kushwah	Ayush
80	0901I0221034	Gaurav Prajapati	Gaurav
81	0901I0221006	Aditya Pal	
82	Amit Kumar Prajapati, 0901J0221012		Amit

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10. Conclusion

The orientation session successfully met its objective of educating students about the importance of startups and live projects in the field of IoT. By highlighting the role of companies like UCL.com and emphasizing the need for hands-on learning experiences, the event motivated students to consider entrepreneurship and live project opportunities as integral components of their academic and professional journeys.

In the coming months, the Centre for IoT plans to collaborate with industry partners to offer more live project opportunities, internships, and startup mentorship programs, ensuring that students are well-prepared for the dynamic world of IoT.
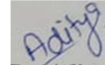
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11. Recommendations

- **Further Engagement**: Organize workshops and seminars focusing on the entrepreneurial aspects of IoT and the startup ecosystem.

- **Live Project Partnerships**: Strengthen partnerships with industry leaders like UCL.com to provide more live project opportunities for students.

- **Startup Incubator Programs**: Introduce a startup incubation program within the Centre for IoT to support students interested in launching their own ventures.

Date: **March 14, 2024**

Prepared by:

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