



Madhav Institute of Technology & Science, Gwalior

(Deemed to be University)

NAAC Accredited with A++ Grade

Centre for Internet of Things

Peer to Peer Learning IoT Workshop using Arduino and Raspberry Pi

1. Background

IEEE PES Student Branch Chapter of MITS Gwalior, in collaboration with ConneCTech and Centre for IoT, MIT Gwalior organized a peer-to-peer learning IoT workshop using Arduino and Raspberry Pi event on 11 Feb 2024 (Sunday). This event was financially sponsored by IEEE Madhya Pradesh Section.

This event was organized specially for first and second year students of the MITS Gwalior, where senior student can provide mentorship to first year student so they can learn about practical application of IoT in the real life.

2. Objective

This event was organized so that participants can get an overview of IoT and AIML and how IoT works using real world application. This event also aimed to provide stage for senior student to showcase their knowledge and skill about IoT using their IoT projects.

3. Details

The event “Peer to Peer Learning IoT Workshop using Arduino and Raspberry Pi” was organized on 11th Feb 2024 Sunday at Madhav Institute of Tech & Science, Gwalior from 11 AM to 4:30 PM. A Total of 58 participants and 9 mentors were present during the event. The two seminars in the starting of the event about IoT and AIML were taken by the two faculty Dr. Bhavna Rathore and Dr. Gaurav Khare respectively.

The event started around 11:30 AM with the brief introduction about IEEE PES, ConneCTech, the faculties and about the event.

Schedule:

- Brief overview of the event
- First seminar on Internet of Things by Dr. Bhavna Rathore.
- Second seminar on Artificial Intelligence and Machine Learning by Dr. Gaurav.
- Lunch Break
- Hands on practice with the allotted mentors using real world projects.
- Quiz based on what the participants learn.
- IoT Project making competition.

The event was ended at 4:30 PM with some group photos including the participants, mentors, faculties, and the student branch chapter team.



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5. Outcome

- The participants enjoyed the event as well as learn about IoT and AIML.
- The event made the student ready for the advanced level concept of IoT & AIML.
- Participants understood the importance and future scope of IoT as well as understood how IoT could be helpful to make life easier.
- The event was organized so that students can learn from one another i.e., peer to peer learning.
- This event boosts the confidence of mentors as well as participants.

6. Promotional Poster

CONNECTECH IN COLLABORATION WITH CENTRE FOR IoT & IEEE PES SBC

IEEE PES
Power & Energy Society
www.ieee.org/pes

MADHAV INSTITUTE OF TECH & SCIENCE
Gwalior
WORK IS WORSHIP

ConnectTech
Connect on net & in the

**ConnecTech,
Centre For IoT
& IEEE PES SBC**

PRESENTS

**Peer
To Peer**

LEARNING IOT WORKSHOP

LEARN AND BUILD
YOUR OWN PROJECT

• IOT & ML DL Seminar
• Hands on Practice
• Hardcopy Certificates To All

FEE: RS.99[TRIO] | RS.59[DUO] | RS.39[SOLO]

Our Mentor:
Dr. BHAVNA RATHORE
Assistant Professor
Dr. GAURAV KHARE
Assistant Professor

Harshit Dwivedi 9305557311
Harshit Tiwari 6264509973
@ieeepes_sbc_mits_gwl

11 FEB 2024
VENUE: New Building



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7. Participants Details

Peer To Peer Learning IoT Workshop				Branch	Signature
S.No	Name	Enrollment			
1	Hariom sharma	0901cm231008	✓	CM	Hariom
2	Pushpendra rathore	0901cm231010	✓	CM	Pushpendra
3	Sumit Singh bhadouriya	0901cm231013		CM	Sumit
4	Deepak dhakad	0901cm231006	✓	CM	Deepak
5	Saksham upadhyay	0901me231081	✓	ME	Saksham
6	Krishna kumar	0901me231049	✓	ME	Krishna
7	Rudra sen	0901me231079	✓	ME	Rudra
8	Dipanshu Patel	0901AI221026		AIR	Dipanshu
9	Sanskar Jhala	0901AM221062		AIML	Sanskar
10	Vikrant Singh Rajput	0901EC221152		EC	Vikrant
11	Tijil Dubey	0901AM231069	✓	AIML	Tijil Dubey
12	Krishna Agrawal	0901CS221071		CSE	Krishna
13	Harsh Sahu	0901IT221027		IT	Harsh
14	Sahil Patel	0901AD221062		AIDS	Sahil
15	Anuj Shrivastava	0901CS231021	✓	CSE	Anuj
16	Ayush singh Chauhan	0901CS231031	✓	CSE	Ayush Chauhan
17	Arpit Kaurav	0901CS231024	✓	CSE	Arpit
18	Kumkum Sagar	0901CS231076		CSE	Kumkum
19	Ishkruti Dwivedi	0901CS231061		CSE	Ishkruti
20	Anuj Koshi	0901et221009		ET	Anuj
21	Moses In	0901CS221083		CSE	Moses
22	Anuj Pal	0901EE221021	✓	EE	Anuj
23	Sneha Sharma	0901EE221081	✓	EE	Sneha
24	Tarun Bohare	0901EE221089	✓	EE	Tarun
25	Shambhavi Sharma	0901EE221072	✓	EE	Shambhavi
26	Sakshi Pateriya	0901EE233D07		EE	Sakshi
27	Anshika sharma	0901EE231025	✓	EE	Anshika
28	Anshika Tomar	0901EE231026	✓	EE	Anshika
29	Kuldeep rawat	0901EO231029		EIOT	Kuldeep
30	Rituraj Singh Rajawat	0901EO231027		EIOT	Rituraj
31	Pratima Sahu	0901EO231046	✓	EIOT	Pratima
32	Kanishka Tomar	0901EO231026	✓	EIOT	Kanishka
33	Pranjal sharma	0901eo231044	✓	EIOT	Pranjal
34	Amanish Mishra	0901eo231013	✓	EIOT	Amanish
35	Sneha rathore	0901eo231056	✓	EIOT	Sneha
36	Vinayak mishra	0901EO231075	✓	EIOT	Vinayak
37	Tarun adhwaryu	0901EO231070		EIOT	Tarun
38	Anshika Acharya	0901EO231007	✓	EIOT	Anshika
39	Samerksha Dhakad	0901EO231060	✓	EIOT	Samerksha
40	Chinmay Upadhyaya	0901eo231015	✓	EIOT	Chinmay
41	Vedaant lodhi	0901EO231073	✓	EIOT	Vedaant
42	Priyamvada Bondriya	0901eo231049	✓	EIOT	Priyamvada
43	Jatin Sharma	0901EO221032	✓	EIOT	Jatin
44	Vikash Singh Bhadauriya	0901EO221070	✓	EIOT	Vikash



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→	(12)	45	Atharva Sharma	✓	0901EO221014	EIOT	<i>Atharva</i>
		46	Mahak Bhaduria	✓	0901EO231032	EIOT	<i>Mahak</i>
→	(12)	47	Sneha narwaria	✓	0901EO231065	EIOT	<i>Sneha</i>
→	(12)	48	Piyush paliya	✓	0901EO231042	EIOT	<i>Piyush</i>
→	(13)	49	Yug Shrivastav	✓	0901EO231078	EIOT	<i>Yug</i>
→	(13)	50	Parul Sharma	✓	0901EO231041	EIOT	<i>Parul</i>
→	(13)	51	Shrashti Agrawal	✓	0901EO231063	EIOT	<i>Shrashti</i>
→	(13)	52	Kishan Shrivastava	✓	0901EO231028	EIOT	<i>Kishan</i>
→	(13)	53	Harshit kadam	✓	0901EO231024	EIOT	<i>Harshit</i>
→	(14)	54	Lavanya Tiwari	✓	0901EO231030	EIOT	<i>Lavanya</i>
→	(14)	55	Vedant Jain	✓	0901EO231074	EIOT	<i>Vedant</i>
→	(14)	56	Rishabh Rangawat	✓	0901EO231054	EIOT	<i>Rishabh</i>
→	(14)	57	Ayush Parte	✓	0901CS231030	CSE	<i>Ayush</i>
→	(15)	58	Manshi kaushik	✓	0901ET231035	ET	<i>Manshi</i>
→	(15)	59	Komal bansal	✓	0901ET231031	ET	<i>Komal</i>
		60	Radhika Babar		0901EO231051	EIOT	<i>Radhika</i>
→	(15)	61	Krishna Jha	✓	0901EE231066	EE	<i>Krishna</i>
→	(16)	62	Divyanshu Rathore	✓	0901EE231048	EE	<i>Divyanshu</i>
→	(16)	63	Karan singh Pal	✓	0901EE231060	EE	<i>Karan</i>
→	(16)	64	Vikas Phate	✓	0901EC231252	EC	<i>Vikas</i>
		65	Anayak Mishra	✓	0901		<i>Anayak</i>
		66	Harsh	✓	0901EO221027	IoT	<i>Harsh</i>
		67					
		68					
		69					
		70					

Total of 58 participants were attended the event along with 9 mentors.

8. Team Attendance

Total of 15 members were present during the event out of those 6 were core member and 9 were volunteers.

9. Winners

First prize – Mahak Bhaduria

Second prize – Yug Shrivastav

Third prize – Tijil Dubey



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10. News Publication



एमआईटीएस स्किल बढ़ाने के लिए एक दिवसीय कार्यशाला

नवभारत न्यूज़

ग्वालियर 11 फरवरी. एमआईटीएस कॉलेज में छात्रों की स्किल बढ़ाने के लिए एक दिवसीय कार्यशाला का आयोजन IEEE PES स्टूडेंट्स ब्रांच, Connect Tech क्लब तथा सेन्टर फोर IOT द्वारा संयुक्त से किया गया। IoT पर आधारित कार्यशाला में MITS ग्वालियर के

द्वितीय तथा तृतीय वर्ष के छात्रों द्वारा प्रथम वर्ष के छात्रों को ट्रेचिंग प्रदान की गई। इस कार्यशाला में तरह तरह के प्रोजेक्ट्स जैसे कि आधुनिक सिचुएशन, गृह स्वचालन प्रणाली, रडार प्रणाली तथा आई ओ टी शराब और स्वास्थ्य निगरानी इत्यादि।

इस कार्यशाला में डॉ प्रवीन वंसल, डॉ भावना राठौर, डॉ गौरव खरे मुख्य भूमिका में थे, तथा छात्रों

में मयंक यादव, योगेश राजपूत, अमित तिवारी, शिवम् शर्मा, हर्षित द्विवेदी, अर्णव गौतम, हर्षित तथा अन्य छात्र उपस्थित रहे।

इस कार्यशाला के आयोजन पर संस्थान के डायरेक्टर डॉ. आरके पंडित, डॉ. मंजरी पंडित, डॉ राजीव कंसल ने छात्रों का उत्साह बढ़ाया एवं भविष्य में इस तरह की और कार्यशाला आयोजित करने को कहा।

11. Feedback

- Regarding improvement of the schedule.
- More such events.
- Good management.
- Good quality refreshment was provided.

12. Event Photos



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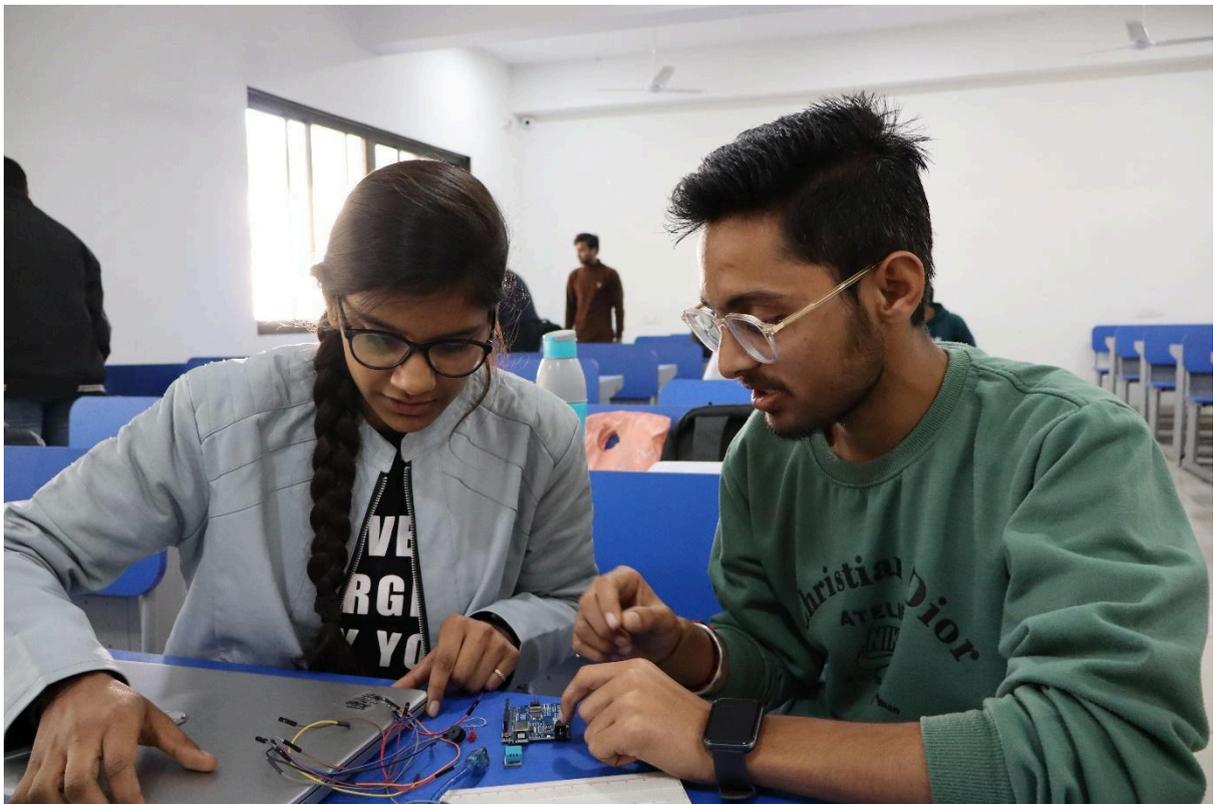


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