

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

OF TECHNIVETSITY
Deemed University
Deemed University of Education, Davernment of India)



Departmentof ComputerScience Engineering

Date: 9/10/24

Workshop Report: "Building Blocks of IoT for Developing Microprojects"

Ph.:+91-751-2409300.

The Department of Computer Science and Engineering, in collaboration with the IEEE Student Chapter, IEEE Computer Society, and the Innovation and DIY Club Gwalior, organized a workshop titled "Building Blocks of IoT for Developing Microprojects" on 28th September 2024 and 2nd October 2024. The workshop was specifically designed for 1st-year students from the departments of CSE, IT, AI, and Electronics.

The workshop aimed to provide a foundational understanding of the Internet of Things (IoT) and its applications. Participants were guided through practical sessions to help them develop microprojects based on IoT technologies. The sessions focused on enhancing the technical skills of students. Promoting a culture of innovation and creativity through the use of IoT in developing microprojects using Arduino.

Students gained a practical understanding of IoT concepts, which will serve as a foundation for future projects and coursework. Participants developed critical hands-on skills in Arduino. The collaborative nature of the workshop fostered teamwork and creative problem-solving. Many students expressed interest in pursuing further learning in IoT, with some planning to extend their microprojects into more complex systems.

The workshop was a resounding success, with enthusiastic participation and positive feedback from the students, providing them with the foundational skills necessary for IoT project development.

Dr Devesh Kumar Lal Assistant Professor

CSE

Dr. Gagandeep Kaur Assistant Professor

CSE

Dr. Manish Dixit Prof and Head

CSE

ANNEXURE-I

GLIMPSE OF THE ACTIVITY BASED LEARNING WEB TECHNOLOGIES







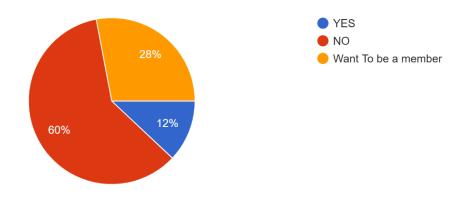


ANNEXURE-II

STUDENTS FEEDBACK

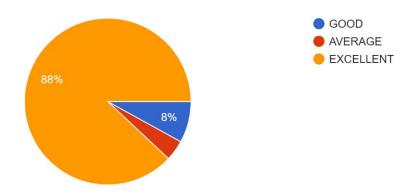
ARE YOU A CLUB MEMBER?

50 responses

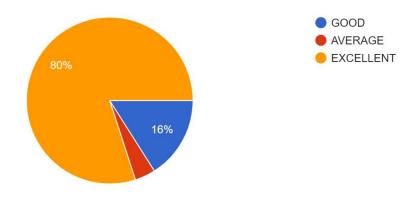


how would you rate the workshop content?

50 responses



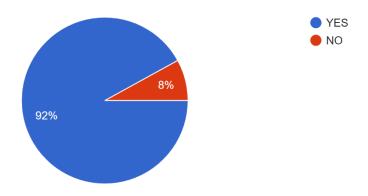
How would you rate the instructor's knowledge and expertise? 50 responses



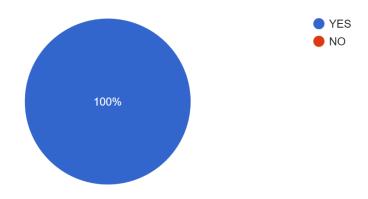
Were the topics covered in the workshop relevant to your interests? 50 responses



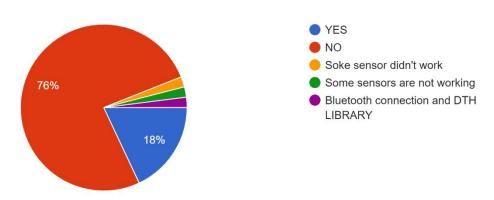
Did you feel adequately prepared to complete the workshop projects? 50 responses



Were the workshop materials (e.g., handouts, kits) helpful? 50 responses



Did you have any technical difficulties during the workshop? 50 responses



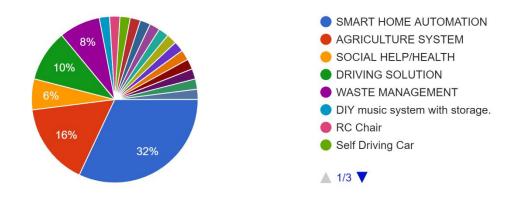
Would you recommend this workshop to others?

50 responses



WHICH TYPE OF PROJECTS YOU WANT TO DO FURTHER?

50 responses



ANNEXURE -III

			- Constitution and the second second second
Sec.	indance) Ist year	"IOT" Micro-	Broject Work- Shop
3. 40	Name	Envollment	Signatures
1	Rudera Paratap Singh Parma	1 24 am 10 rv 55 @mitzgu	Recin Benets
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5	Sankalp Shrivastava	24 Mc 10 Sa 117	Sentak
6.	Sachin Kuman	24-CS 10 Sa 112	Sachin Ku.
7,	Piyush Gawam	24CSLOPi9L	Piyush
3-	Shish Dohore	24AD BTAD2401018	Ashirk
q.		BTET2401079	Modhavi Aus
10	Medhavi Agrawal	BTET2401075	Medhavi Au
11	Haush Raj	BT FT 2401059	CALLY.
12:	Alok Kumay Kushwah	24cs10al18	MOK
13.	ARYAN CHOUHAN	BTET28(0103)	aux-
14.	Anway Singh Jadous	BTET&401030	Sign -
15	Aditya Raj Saho	BTET2401006	Asahu,
16	Disha chopra	BTCD 2401023	Dishe
17	Prasum Singh.	BTC D 24 010 47	The state of the s
18.	Bhumika Sengar	BTCD2401047 0901AIX31021	Dongas
19	Aryan Parihar	24Cs 10 ar 29	185
20	Rajshi sunyawanshi	BTCS2401105	Rajsh'
21	Riya Barmanija	BTCS 2401102	tipe
22.	Vanstika Wamankar	BTCS2401146	Coul
23 .	Vanstika Wamantar Rashi Rajariya	BTCS2901107	Party -
24.	Aaryanvi Sharma	BTC52401002	faryanu!
25.	Aditi Gupta	BTHC 2401011	Aditi 9
26	Houshita	BTC52401057	Harshite,

		The state of the s		
	5.10	Name	Enrollment	d'ynatures
	4 (27) F	Abhay Vesima	090166231003	Adhay.
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	130 130 1	Robit Arya Sandeep	24C57070709	pohit
			24 cs 10 sq'118	where
		Krishna Agrawal		(apou)
	, ,) Ayush Suote	BTME 2401023	(A)
		Aditya Chandel	BT CS 240 1010	
		Sumit Kushwal	BTME 73401007 BTME 2401073	3
	(35)	Anand Ray Trifaathi	BTET 2401020	Atrano
	36)	EKAGIRA Grangil	BTCS2401047	Eliagra.
	37	Ashwin patel	©901€T 231015	Asher
	38	Abhishek Crupta	BTC 5 24 OL 004	Bohi.
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	39	Muskan CHOPRA	BTCD2401038	nuskn
	40	Proje	BT AI 240 1049	By 2
	41		BTC5 240 1124	Shira
	42 433	Muskan solan Taher Uyain		My south -
		Vikas Shinhare	BTET2401137 BTET2401147	* the
	49	Patwik Duby		Belieby
	46	Amas Khan Gold	8 BT CS2401023	Am
	47	Arbit Shann	BTET240103)	age

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18.40	Name	Enrollnment No	dignatures
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1 49	Hemant Singh	BTCB 2401031	Heman
50	vedant Chhalote	BTMC2401146	Vedout
51	Annol Chouksey	BTAM2401011	Anmos
52	Rishabh Tori Pathi	BTAM2401054	Lishable Su Pathi
5 3	Aditya Gupta	BT AM 240 1003	Agupta
6 54	Adi Kumar Tain	BTCS 240 1008	A Janu
55	Akshat Bonsal	BTEL 2401016	(A)
56	Meridul Malvi	0901AI 231037	Amalui'
57.	Neeroj Ojho	0901 A1231040	Noile
58	Rorahm forations	BTME 2401025	Bond
	Singh Tomar		
59	Aryan Parihar	24CS10 ar 29	Gar
60	Prakhar Nema	BTCS2401095	Penera,
61	Prakhar Nema Tejas Dhamdhuu	BTEE 2401082	lejas
62	Souran Shrive	87cs 24010133	Souron
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IOT Foundation Workshop Attendance Sheet

No.	Team No.	Student Name	Enrollment	Supplies	
1		Mohit Sharma	DICCOUNTAGE	Arduino V	Recia
2	1	Sachin Kumar	RTCS NOIA	Ultrasonic ✓ Servo ✓	Bob
3		Kehitij soni	BTC57401073	Bluetooth Dht11	
4		selwsmarg.	rea notice to	USB Cable 🗸	
5		Pushpendoa Dwyawanshi	BTCS 24 O 1201	Arduino LED	
6	2	Rahul Yadau	0.744	Ultrasonic Servo	Recie
7		Om Gandhawane	BTCS 24 0 1087		Thy
8		Khushi gupta -	87cs 2401075	USB Cable L	di i
9		Khushi Bansal	BTC52401070	Arduino	
11	3	Khushi Crava	BTC52401071	Ultrasonic ✓ Servo ✓	Receiv
12		Khushi Gupta	BTCS 2401075		Frank
13		dual of the Market College	tiple cross course	USB Cable	
14	•	Akanksha Shamma	BTCS 2401015	Arduino V	Rece
15	4	Kanika Jain	BTCS 2401067		ym
16		Unnahi Jain	BTAM2401070	Bluetooth Dht11	
17		Pilmin Cl.	A	USB Cable	
18		ligush Sharma	GTCS 240 1092	LEU	Rece
19	5	Rescel Singh Narwania Amit Rathore	BTC52401100	Ultrasonic Servo	नीपु
20		Amit Rathore	BTET2401019	Bluetooth Dht11 USB Cable	•



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IOT Foundation Workshop Attendance Sheet

		Attendance		Supplies	
			Enrollment		Received
		Student Name		Arduino	Recen
. No. 1	ream No.	· · · · · · · · · · · · · · · · · · ·	BTCS2h01154	Ultrasonic L	
21		Yurraj Singh Narwariya			
22	6	Ankit Konenida	BTCS 2491013	Dht11 USB Cable	
23		Aman Siyayı Dar	BTCS 2491013 BTAM24010S2	Arduino /	WQ:
24		have Sikanwar	BTCS 2401077	LED / Ultrasonic /	Ineha.
25		Mahi hupta	OTC 5240127	Servo / Bluetooth	Rece
26	7	Shuya Goyal		Dht11 USB Cable	
27	450	Sneha Tomos	palgrap TAZI	1/1/H	Sign
28		O C ALL L. C.	BTCS 2401098	LED Ultrasoni c	July or !
29	V 20	FRiegande Maheshwar Amshi Ko Dixit	8TEL 24010 25	Servo Bluetooth	1 soins
30	8	Naina Pandey	A STATE OF THE PARTY OF THE PAR	Dht11 USB Cable	
- 31		Radhyum Charlashya	090105221098	Arduino	
32		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0901EE233003	LED Ultrasonic	Jan. V
33	To an	BAL KISHAN KNSHWAH Aditya Dulley	BPC8 2401012	Servo V Bluetooth	Receive
35	9	Aprishet Kumar	8TC52401005	Dht11 USB Cable	
36		1-0		Arduino	
37		Aalok Patel	090110221001	LED Ultrasonic	
38	-91	Allshat Grupto Arpet Agrawa	0901EE 231017	Servo Bluetooth	Adall
39	10	Arpet Agravas	@901 EE231029	Dht11	Contraction
40		HARISH RAJAK	BTIR240/029	USB Cable V	



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S. No.	Team No.	Student Name	Enrollment	Supplies
41		Dishant Sharry	090105231041	Arduino LED
42	11	Divya Joshi	090165231042	Ultrasonic .
43		Divyonsh Dut	090105231044	Bluetooth Dht11
44		Knotiva Jain	0901CS231072	USB Cable
46		Ansh Gautam	0901CF231012 BTC3401138	Arduino LED Ultrasonic
47	12	Harsh Kuman	\$6910+8- 1 BTCS2401052 807647673 0	Servo VBluetooth Dht11
48				USB Cable 🗸
49		Vaibtion Patidar	BTCSQ401140	Arduino LED
50	13	Kortik Singfal	BTCS 2401068	Ultrasonic V Servo
51		Hitesh Sanghi	BTCS 24/0 1060	Bluetooth Dht11
52		Kuldeep Ahirwar	0901AM231033	USB Cable
53 54				Arduino LED Ultrasonic
55	14			Servo Bluetooth Dht11
56				USB Cable
57				Arduino LED
58	780			Ultrasonic Servo
59	15		- Ne - F	Bluetooth Dht11
60				USB Cable