

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal)

NAAC Accredited with A++ Grade


## Department of Computer Science & Engineering


### Workshop on "Design and development of Smart Applications of IoT"

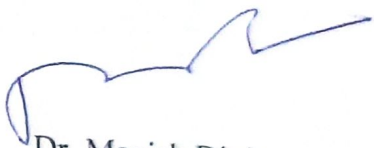
Date: 05/03/2024

The workshop for B. Tech, CSE/IT/AI/Electronics was organized by Computer Science & Engineering Department in PL1 on 17/2/2024, 18/02/2024 and 19/02/2024 from 11:00 to 6:00 pm. During the workshop, following points were discussed:

1. Dr. Devesh Kumar Lal and Dr. Gagandeep Kaur conducted the workshop for students based on experimental learning using Arduino to develop smart applications.
2. About 14 Students attended the workshop and learned about building smart projects using Arduino.
3. The workshop was valuable in enhancing students understanding of IoT System design. Various smart projects were developed, some of them are discussed below:
  - Guiding eyes for blind person that uses ultrasonic sensors to find obstacles in their path
  - Smart Bot for garbage collection that helps in waste management using sensors, and motors.
  - Smart helmet that sends an alert message to the beloved one when a person is drunk and fallen.
  - Smart parking app that helps to find vacant parking spaces using the mobile app and
  - Smart homes project that can on/off the home appliances on a click using the mobile App.
4. This workshop helped the students to gain insights by designing and developing Arduino-based projects.
5. Dr. Manish Dixit sir presented the students with awards and appreciated their efforts and hard work in developing projects.

  
Dr. Devesh Kumar Lal  
Assistant Professor  
CSE

  
Dr. Gagandeep Kaur  
Assistant Professor  
CSE

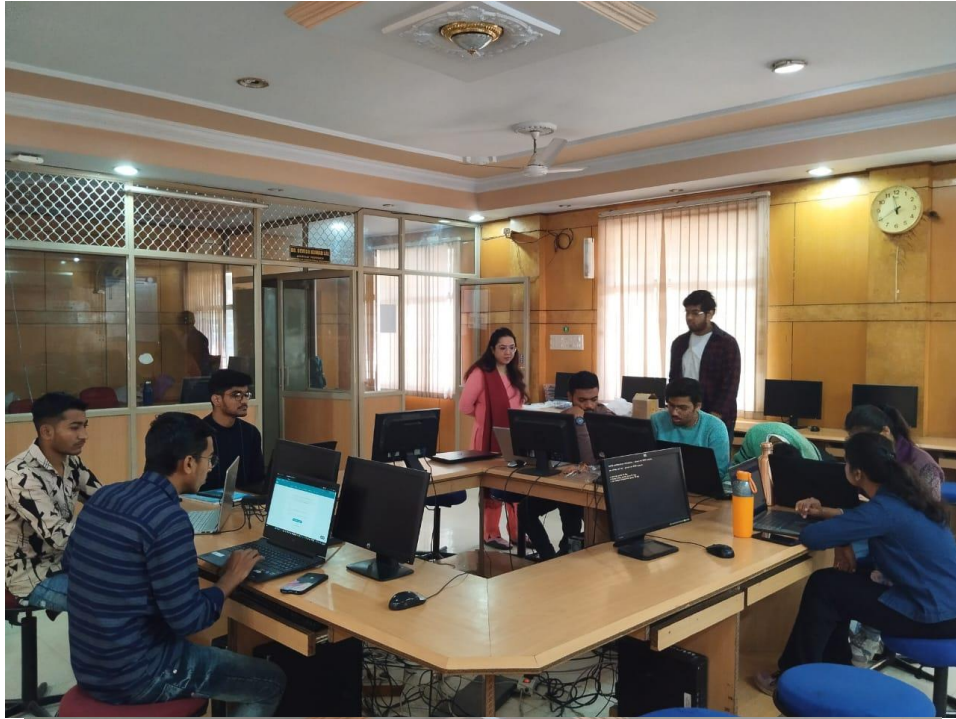
  
Dr. Manish Dixit  
Prof and Head  
CSE

## ANNEXURE-I

### GLIMPSE OF THE WORKSHOP



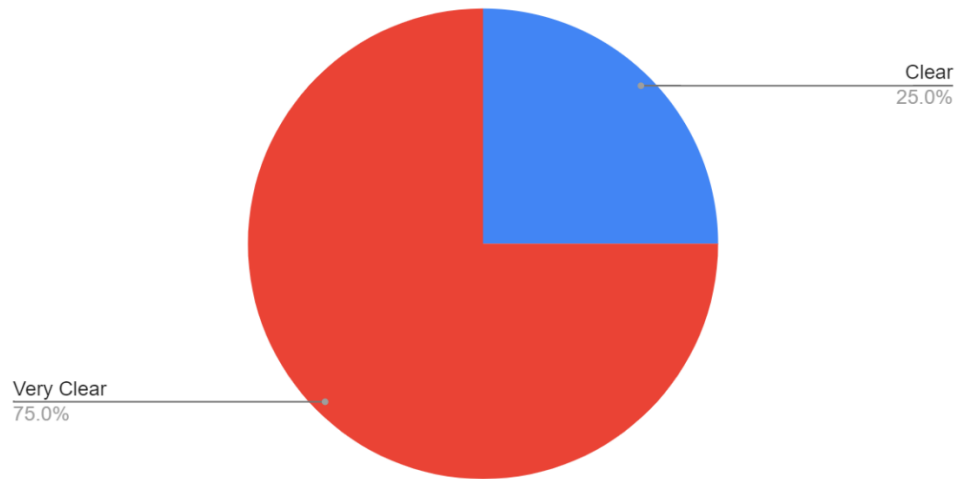




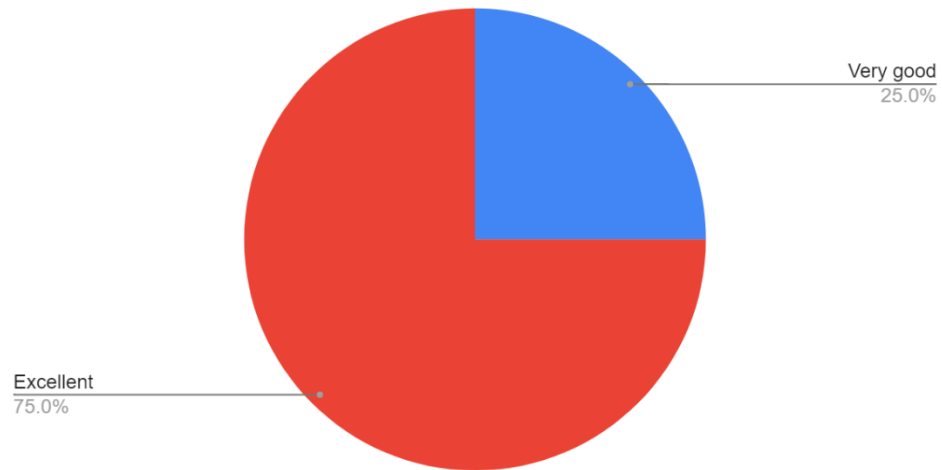


## ANNEXURE-II STUDENTS FEEDBACK

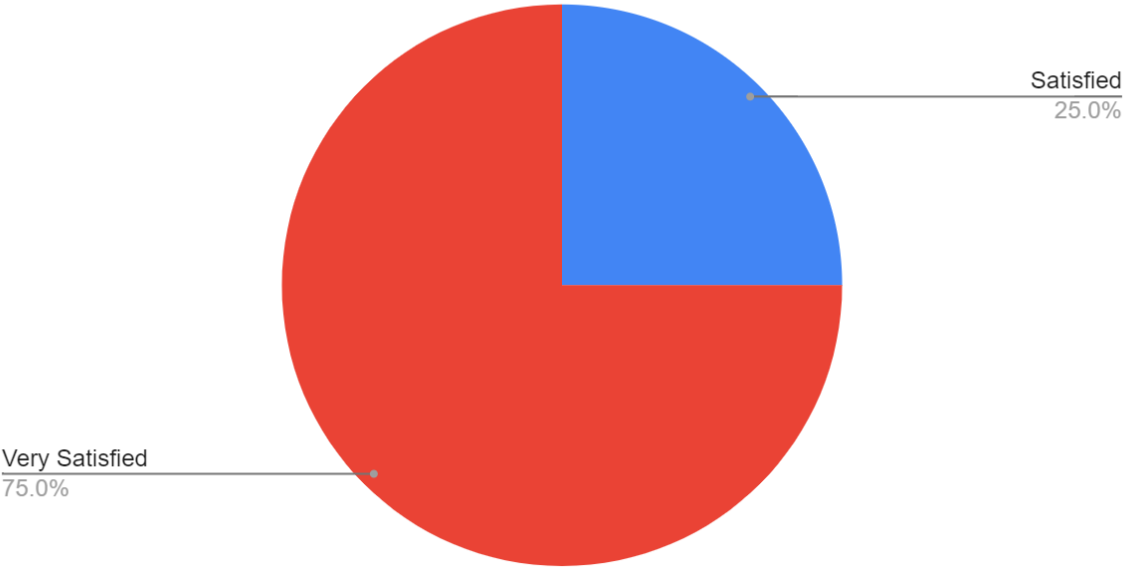
Count of Rate the clarity of the workshop objectives and expectations.



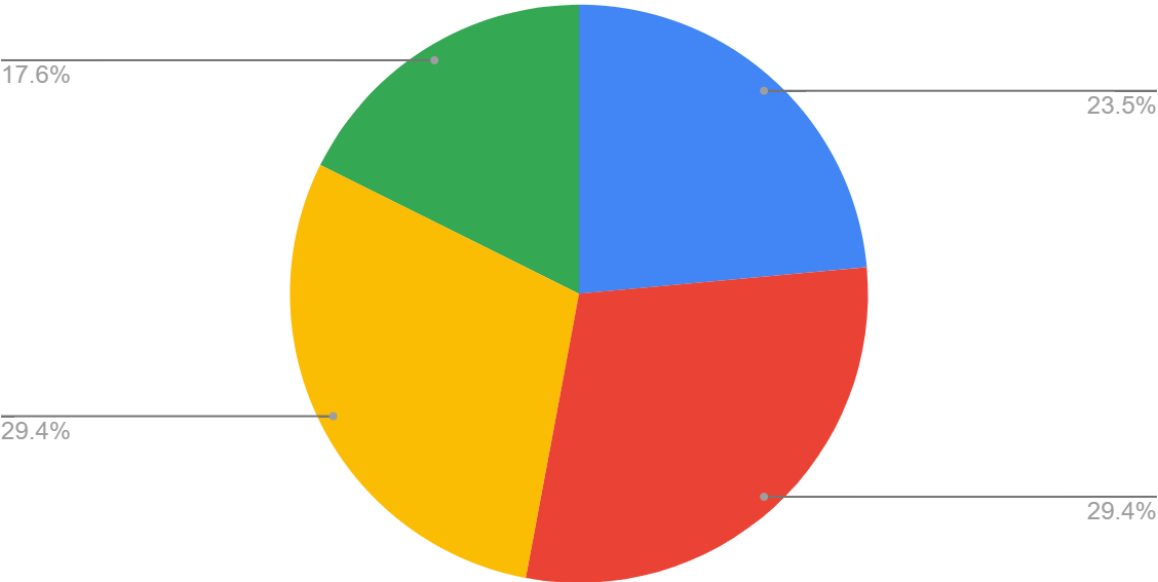
Count of How would you rate the overall classroom environment while the workshop?



Count of How satisfied are you with the overall learning experience ?



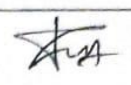

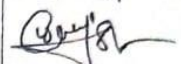
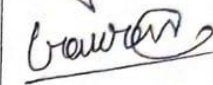
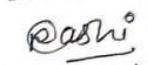

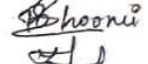
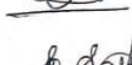



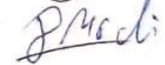

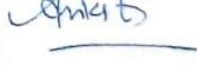
Did you find the workshop effectiveness in terms of job requirements in the coming era?



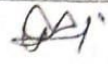

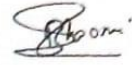
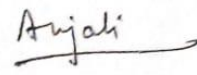




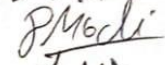



# SMART APPLICATIONS OF IOT (Attendance)

17/2/2024


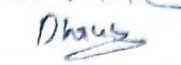



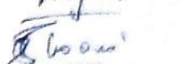

S.no	Name	Enrollment No	Branch/Year	Signature
1.	Brajraj Mishra	0901CD221021	<del>CSD</del> CSD 2 <sup>nd</sup> Year	
2.	Rohan Malhotra	0901CD221052	CSD 2 <sup>nd</sup> year	
3.	Yashraj Sherke	0901CS221152	CSE 2 <sup>nd</sup> year	
4.	Gaurav Boral	0901CD221025	CSD 3 <sup>rd</sup> year	
5.	Rashi Rajawat	0901CD221048	CSD 2 <sup>nd</sup> year	
6.	Anjali Singh	0901CD221006	CSD 2 <sup>nd</sup> year	
7.	Bhooni Garg	0901CD221020	CSD 2 <sup>nd</sup> year	
8.	Yogesh Mali	0901CD221076	CSD 2 <sup>nd</sup> year	
9.	Sidharth Singh Kukwah	0901CD221061	CSD 2 <sup>nd</sup> year	
10.	Atul Singh Dhalsad	0901CD233001	CSD 2 <sup>nd</sup> year	
11.	Om Bhayde	0901CD222042	CSD 2 <sup>nd</sup> year	
12.	Dhanu Modi	0901CD221026	CSD 3 <sup>rd</sup> year	
13.)	Tanuj Jain	0901CD233005	CSD 2 <sup>nd</sup> year	
14.)	Ankit Chandra	0901CD221008	CSD 2 <sup>nd</sup> year	

SMART APPLICATIONS OF IOT.  
(Attendance)  
18/02/2024

S.No.	Name	Enrollment No	Branch/Year	Signature
1	Yogesh Mali	0901CD221076	CSD	
2	Rohan Malakar	0901CD221052	CSD	
3	Bhoomi Goy	0901CD221020	CSD	
4	Anjali Singh	0901CD221006	CSD	
5	Tanuj Jain	0901CD223005	CSD	
6	Om Bhande	0901CD221042	CSD	
7	Atul Singh Dhakad	0901CD223001	CSD	
8	Brajraj Mishra	0901CD221021	CSD	
9	Dhruv Mali	0901CD221024	CSD	
10	Ankit chandras	0901CD221008	CSD-270	



SMART APPLICATIONS OF IOT  
(Attended)  
19/02/2024

S.no	Name	Enrollment No	Branch/ Year	Signature
①	Ankit chandru	0901CD221008	CSD-2 year	
②	Dhruv Modi	0901CD221024	CSD-3 year	
③	Rohan Malakar	0901CD221052	CSD-2nd year	
4)	Yogesh Mali	0901CD221076	CSD-2nd year	
5)	Ajyal Singh	0901CD221006	CSD-2nd year	
6)	Bhomi Gang	0901CD221020	CSD 2nd year	
7)	Atul Singh Shaked	0901CD2233001	CSD 2nd year	
8)	OM Bhayde	0901CD221042	CSD 2nd year	