



## Report on One Day Workshop on "Modernized IoT"

at

Department of Electronics and Telecommunication Engineering  
Bhivarabai Sawant Institute of Technology & Research Wagholi, Pune



<b>Name of The Programme</b>	One Day Workshop On "Modernized IoT"
<b>Date</b>	4-10-2023
<b>Mode</b>	Offline
<b>Organizer</b>	Electronics and Telecommunication Student's Association (ETSA), Department of Electronics and Telecommunication Engineering of Bhivarabai Sawant Institute of Technology & Research Wagholi, Pune
<b>Association with</b>	IETE Students Forum (ISF) BSIOTR
<b>Programme Convenor</b>	Dr. Y. S. Angal, HOD (E&TC)
<b>Programme Co-Ordinator</b>	Asst. Prof. S. V. Malge (E&TC)
<b>Resource Person</b>	Mr. D. Shridhar, Smart Logic Technologies, Pune
<b>Participants</b>	24 Participants

The "Exploring the Modernized IoT" workshop is a comprehensive and interactive learning experience designed to introduce participants to the exciting world of IoT and empower them to leverage its potential in various domains. In this workshop, attendees will dive into the fundamental concepts, applications, and challenges of IoT, gaining valuable insights into the interconnected devices that shape our modern world.

### Workshop Objective:

Sr. No.	Workshop Objective
1	To introduce the fundamentals of sensors and actuators along with the basic concepts of an IoT
2	To Exposing students to the usage of Protocol Standardization for IoT with IoT Edge and Gateway Network with Communication protocols.
3	Hand-on session of various IoT boards, interfacing, and programming for IoT.

In this workshop IoT concepts is introduced to the participants and then the majority of the workshop will include hands-on exercises covering different types of sensors, Wi-Fi modules, Zigbee, Arduino kits, raspberry pi, beagle bone board, different types of actuators and cloud. The workshop is a laboratory-based course, where the trainer is personally involved with the participants to deliver value for the time spent. Additionally, the trainer is working as IoT experts and consultants in the industry. The key facilitator for this course is Mr. D. Shridhar.

## Some glimpses of The Workshop

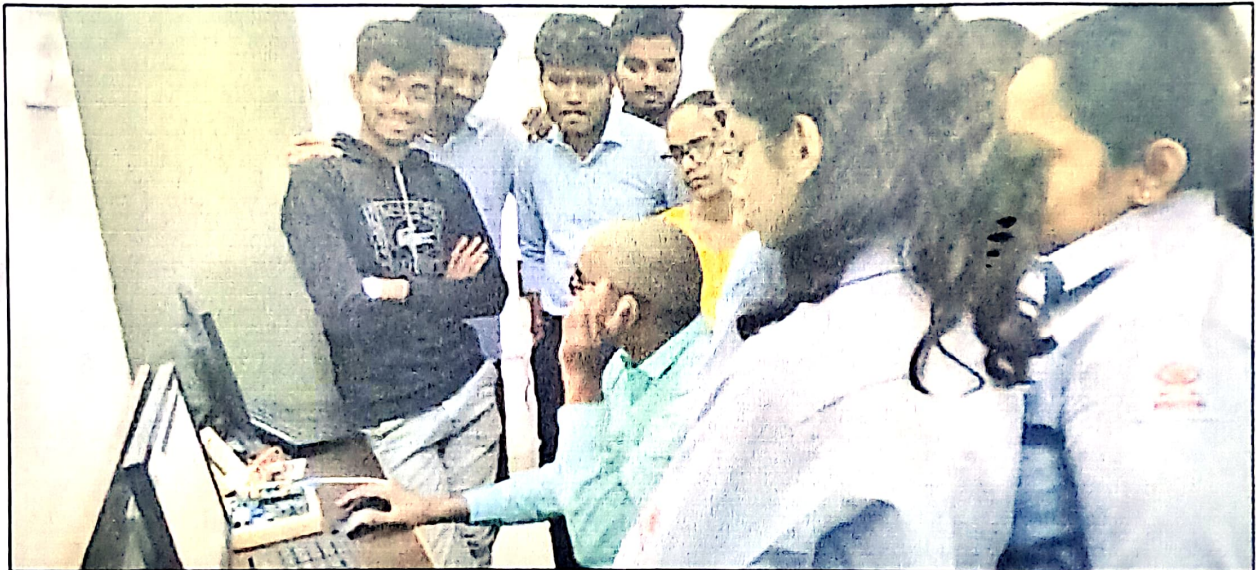
 **JSPM's**  
**JIJIVARAJ SAWANT INSTITUTE OF TECHNOLOGY AND RESEARCH**  
**WAGHOLI, PUNE, MAHARASHTRA - 412207 (ISIOTR)**  
NBA & NAAC Accredited 

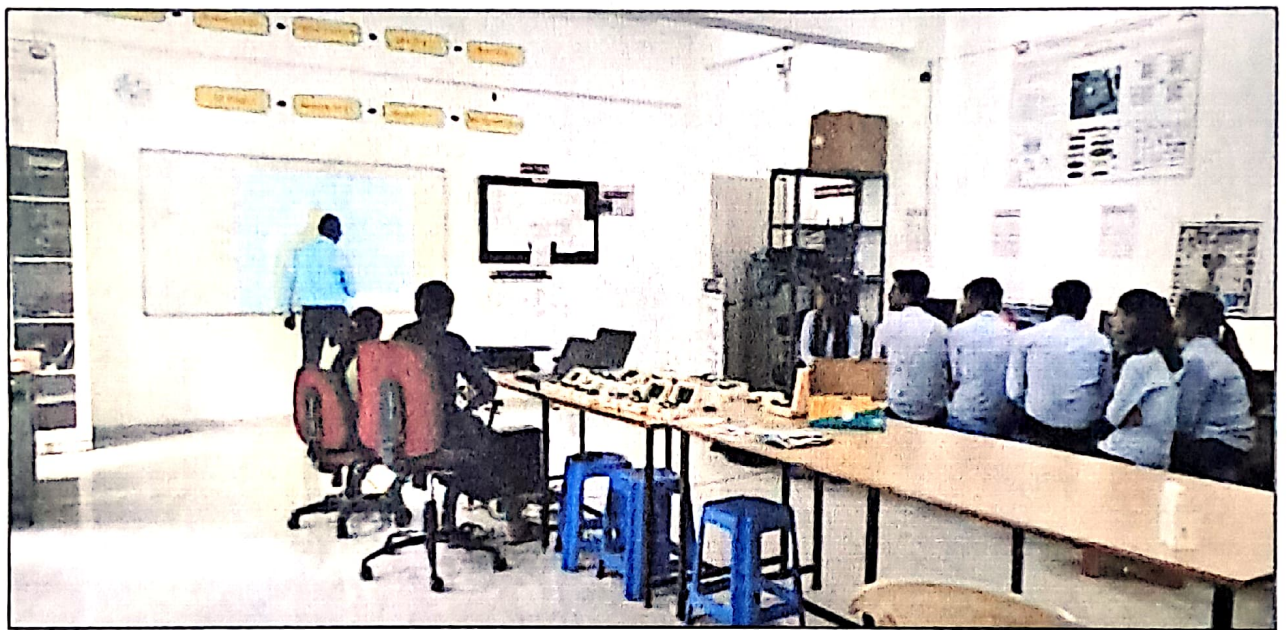
**Department of Electronics & Telecommunication Engineering**  
Organized By  
**Electronics & Telecommunication Students' Association (ETSA)**  
In Association with  
**IETE Students' Forum (ISF) BSIOTR**

**TOPIC :-**  
**One day workshop on "Modernized IoT"**  
By D. Shridhar, Smart Logic Technologies, Pune

 **Date :- 04/10/2023**  
**Day :- Wednesday**  
**Timings:- 11.45 AM** 

**Venue :- Class room no.203, E&TC Department, D2 Building**



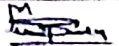





### Workshop Outcome:

This Workshop aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This workshop serves as a platform for students to interact on cutting-edge technologies in IoT.

Sr. No.	Workshop Outcome	PO	PSO
1	Comprehend and analyze concepts of sensors, actuators, IoT and IoE.	PO1, PO2, PO3, PO4, PO5, PO6, PO7	PSO1, PSO2, PSO3
2	Comprehend the operation of IoT protocols	PO1, PO2, PO3, PO4, PO5, PO6, PO7	PSO1, PSO2, PSO3
3	Describe various IoT boards, interfacing, and programming for IoT.	PO1, PO2, PO3, PO4, PO5, PO6, PO7	PSO1, PSO2, PSO3

Programme Co-Ordinator	Asst. Prof. S. V. Malge (E&TC) BSIOTR	
Programme Convenor	Dr. Y. S. Angal, HOD (E&TC), BSIOTR	
Principal	Dr. T. K. Nagaraj, Principal, BSIOTR	