	Dr. D. Y. Patil Pratishthan's College of Engineering Salokhenagar, Kolhapur 416007	
	Doc. No: DYP-ACAD-AR-02	Revision No. 01
	Page 1 of 1	Revision Date:01/06/2023
Department of Computer Science and Engineering		

WORKSHOP REPORT




1. WORKSHOP DETAILS

Workshop Name	Five-Day Short Term Training Program on "IoT Development using Arduino and ESP32"
Organized Under	ISTE (Indian Society for Technical Education)
Date	5th March 2026 to 10th March 2026
Day	5 Days (Monday to Saturday)
Time	9:15 AM to 4:15 PM (approx. 6 hours/day)
Venue	CCF Lab, Dr. D.Y. Patil Pratishthan's College of Engineering

2. GUEST / RESOURCE PERSON

Resource Person	Mr. Shailesh H. Dinde
Designation	QA Lead, Aiotlogy Services Pvt. Ltd., Kolhapur
Convener	Dr. Mahesh P. Gaikwad (HOD & Assoc. Prof., Dept. of CSE)
Co-ordinator	Mrs. Veera S. Raval (Asst. Prof., Dept. of CSE)
Patron	Dr. Abijeet D. Mane (Campus Director) Dr. Suresh D. Mane (Principal)

	Dr. D. Y. Patil Pratishthan's College of Engineering Salokhenagar, Kolhapur 416007	
	Doc. No: DYP-ACAD-AR-02	Revision No. 01
	Page 1 of 1	Revision Date:01/06/2023
	Department of Computer Science and Engineering	

3. DAY-WISE TOPICS COVERED

Day / Date	Time	Topics Covered
Day 1 – 5th Mar 2026	9:15 AM – 4:15 PM	Intro to IoT, Electronic Components, Arduino Boards & Sensors; Arduino IDE Installation, Programming Basics (variables, loops, control flow)
Day 2 – 6th Mar 2026	9:15 AM – 4:15 PM	Arduino Uno Pin Layout; Interfacing LED, Buzzer, LDR, Ultrasonic, DHT, Smoke, Flame, Soil Moisture & IR Sensors
Day 3 – 7th Mar 2026	9:15 AM – 4:15 PM	Introduction to ESP32; LED blinking; DHT sensor with ESP32; ThingSpeak Cloud setup & data read/write over Wi-Fi
Day 4 – 8th Mar 2026	9:15 AM – 4:15 PM	Arduino Cloud mobile app development; IoT device control from mobile; MQTT Protocol – installation, configuration & ESP32-MQTT communication
Day 5 – 9th-10th Mar 2026	9:15 AM – 4:15 PM	Introduction to Raspberry Pi; OS Installation; Mini Project Development using IoT & Student Competition

4. STUDENT DETAILS

Total Participants	64 Students
Division A	22 Students
Division B	30 Students
Division C	12 Students
Year	Second Year CSE
Eligibility	2nd, 3rd & Final Year – CSE, IT, E&TC, Electronics

Participant List:

Sr.	Roll No.	Student Name	Div.
1	101	ADATE DHANSHRI ANIL	A
2	105	BHANDAVALE SHRADDHA ANANDA	A
3	110	BORADE ANJALI BHAJANDAS	A
4	112	CHAVAN KADAMBARI PRASHANT	A
5	116	DABHOLE PARTH PRAKASH	A
6	118	DESAI PURVA DATTATRAY	A
7	119	DESAI SHRUTI SANTOSH	A



**Dr. D. Y. Patil Pratishthan's College of Engineering
Salokhenagar, Kolhapur 416007**

Doc. No: DYP-ACAD-AR-02


Revision No. 01

Page 1 of 1


Revision Date:01/06/2023

Department of Computer Science and Engineering

8	126	DIVASE RACHANA ANIL	A
9	129	GHADAGE SHRADHA SUNIL	A
10	132	GURAV RUTUJA VITTHAL	A
11	136	HIRAVE SHRADDHA SADASHIV	A
12	138	JADHAV SATEJ UMESH	A
13	148	KAMBLE NISHIGANDHA NITEEN	A
14	151	KEDAR VAISHNAVI NANASO	A
15	152	NITIN VISHWAS KUMBHAR	A
16	160	PATIL SIDDHI KRISHNAT	A
17	164	SANGAVE SANDHYA RAJARAM	A
18	167	SHETE SAMRUDDHI NIVAS	A
19	174	TALEKAR DEVIKA ANANT	A
20	175	TAMBEKAR AKANKSHA ANANDA	A
21	178	UKIRDE SANIKA SHRIKANT	A
22	184	GAVALI PRADNYA SANDIP	A
23	201	POTDAR MEGHA SURYAKANT	B
24	205	DAVARI VIVEK ANIL	B
25	206	DESAI MOHAMMED NAYIM SAMIR	B
26	209	KAREKAR PRATIK TEJNATH	B
27	213	KHAPALE SANSKAR SHRIKANT	B
28	214	KHOT MRUDULA NAMDEV	B
29	224	KUMBHAR SAIRAJ ABHIJIT	B
30	227	MAHAT ADNAN USMANGANI	B
31	230	MANE ASHUTOSH NETAJI	B
32	234	MORE PRAJYOT PRAMOD	B
33	236	MORE SHUBHANGI VITTHAL	B
34	239	MULE SAKSHI DATTATRAY	B
35	244	NAIK ATHARVA MAHADEV	B
36	246	NAYAKAWADI SIMRAN BALU	B
37	253	PATIL PAYAL SARJERAO	B
38	254	PATIL PRITHVIRAJ PRADIP	B
39	255	PATIL RAJWARDHAN SANDIP	B

	Dr. D. Y. Patil Pratishthan's College of Engineering Salokhenagar, Kolhapur 416007	
	Doc. No: DYP-ACAD-AR-02	Revision No. 01
	Page 1 of 1	Revision Date:01/06/2023
Department of Computer Science and Engineering		

40	257	PATIL RUTIKA UMESH	B
41	259	PATIL SAKSHI LAXMAN	B
42	260	PATIL SAKSHI MAHENDRA	B
43	261	PATIL SALONI SANJAY	B
44	263	PATIL SANDHYA SATABA	B
45	264	PATIL SANIKA SUNIL	B
46	268	PATIL SHREYA PANDURANG	B
47	276	SHAHANEDIWAN SIMRAN BALU	B
48	277	SHINDE DHANASHRI NARAYAN	B
49	278	SHINDE RITESH HARIDAS	B
50	281	SHINDE VAISHNAVI SATISH	B
51	283	SUTAR KARAN CHANDRAKANT	B
52	285	WAKAREKAR VARAD DHEERAJ	B
53	308	KUMAR GIRISH	C
54	317	RATHOD AVINASH SANJAY	C
55	324	SHAHARAV JOHN DILIP	C
56	332	MANE SAMARTH	C
57	338	JAY PRAMOD POL	C
58	342	ANUSHKA ANANDA KHOT	C
59	346	DIVYA DATTAJI PATIL	C
60	347	PRAJAKTA SATTAPPA PATIL	C
61	349	SIDDHI PRAKASH AREKAR	C
62	350	SIDDHI SHRIKANT CHAVAN	C
63	352	ATHARVA JAGAN MORKAR	C
64	354	AARYA ANURAG KUMBHAR	C

	Dr. D. Y. Patil Pratishthan's College of Engineering Salokhenagar, Kolhapur 416007	
	Doc. No: DYP-ACAD-AR-02	Revision No. 01
	Page 1 of 1	Revision Date:01/06/2023
Department of Computer Science and Engineering		

5. OUTCOMES

No.	Learning Outcome
1	Understood IoT architecture, components, and real-world applications.
2	Able to set up and use Arduino IDE for microcontroller programming.
3	Hands-on proficiency in interfacing sensors (DHT, Smoke, Flame, Soil Moisture, IR, Ultrasonic, LDR) with Arduino Uno and ESP32.
4	Configured and programmed ESP32 for Wi-Fi-enabled IoT applications.
5	Created and managed cloud dashboards using ThingSpeak and Arduino Cloud platforms.
6	Implemented MQTT protocol for lightweight IoT data communication.
7	Gained understanding of Raspberry Pi hardware and OS setup.
8	Developed collaborative project skills through mini-project competition.
9	Over 90% of participants rated the workshop as 'Excellent' or 'Very Good'.

6. PHOTOS

Workshop photos to be inserted below:





**Dr. D. Y. Patil Pratishthan's College of Engineering
Salokhenagar, Kolhapur 416007**

Doc. No: DYP-ACAD-AR-02

Revision No. 01

Page 1 of 1

Revision Date:01/06/2023

Department of Computer Science and Engineering



Mrs. Veera S. Raval
STTP Co-ordinator

Dr. Mahesh P. Gaikwad
HOD & Convener, Dept. of CSE

Dr. Suresh D. Mane
Principal