

<b>ACTIVITY No.</b>	<b>02: Hands-on training</b>
<b>Aim:</b>	<b>Three Days workshop on “Robotics and IoT”</b>
<b>Date of the event:</b>	<b>24 March to 26 March 2022</b>
<b>Participants:</b>	UG Students of Electronic and computer science (students:77 & staff:06)
<b>Objectives:</b>	To facilitate students to understand, design and learn Robotics. Students get opportunities to express their skills, knowledge, and creativity through conceptualizing, designing, and programming robots.
<b>Evidences of success:</b>	Students learned basics of robotics and its applications. Students designed line follower Robot, obstacle avoider robot.
<b>Context:</b>	The electronic science subject has been introduced in science faculty as bridging gap between science, technology and engineering. One of the features of F.Y./S.Y./T.Y. electronic science syllabus is that it copes with present industrial needs of the technical and engineering supports. So our students can easily find jobs in electronic industries. The toughest challenge to our students is the unavailability of local Electronic Industries/Factories. They have to go far in metropolitan cities like Pune, Mumbai and Bangalore etc.
<b>Report:</b>	Dept . of Electronic Science had organized a 3-Days Hands-on Training Workshop for the FY./SY./T.Y.B.Sc students of all subjects from during 24-26 March, 2022. The workshop was organized in association with ‘ <b>Ray Robotics Pvt. Ltd, Nashik</b> ’. The number of student participants was 77. Mr. Sagar Patil (Director, Ray Robotics Pvt. Ltd, Nashik) and his colleagues conducted the hands-on training on ‘ <b>Robotics and IoT</b> ’. The outcome of this workshop was very fruitful. The students got a very good practical knowledge on the design of hardware and development of software required for the construction of Robots. The Obstacle Avoider Robot, Line Follower Robot were designed and constructed by the student in this workshop. This workshop was inaugurated by the auspicious hands of Hon. Principal Dr. D. F. Shirude sir. Dr. C. M. Nikam (Vice Principal) was the chief guest for inaugural function. On the last day of workshop, a valedictory function was organized in the afternoon. The certificates of participation were distributed to all the participants by the hands of Prin. Dr. D. F. Shirude, Dr. C.M. Nikam, Dr. M.S. Bhandari (NAAC coordinator) and Prof. Saeed Ansari (IQAC coordinator). A few students expressed their views regarding their experience during the workshop. Dr. Smt. S. C. Kulkarni (HOD, Electronic Science), Dr. D. K. Halwar, Prof. Miss. V.T. Salunke, and Dr. H. P. Suryawanshi took efforts for the success of this workshop.



Photo Proof:



Students Participation list:

Savitribai Phule Pune University, Pune  
M.S.G. College, Malegaon Camp, Dist-Nasik  
Three Days Hands-on Workshop  
On  
**Robotics and IoT**  
Organized by  
Department of Electronic Science and Computer Science

Electronic Science		Attendance		Time: 10:00 pm to 5:00 pm	
Date: 24/03/2022 (Day-1)		Credits: 02			
Sr. No	Name of Students	Class	Roll No	Signature	
1	Avishkar Shashikant Patil	FV BSC	236	<i>[Signature]</i>	
2	Sanket Sushakar Thakur	FV BSC	344	<i>[Signature]</i>	
3	Kamini Sharad Barchhav	FV BSC	28	<i>[Signature]</i>	
4	Rupali Pandit Bhojve	FV BSC	385	<i>[Signature]</i>	
5	Rutuja Sanjay Suryawanshi	FV BSC	331	<i>[Signature]</i>	
6	Shital Bhausaheb Daitkar	FV BSC	80	<i>[Signature]</i>	
7	Altamash Aarif Altaf	SV BSC	1	<i>[Signature]</i>	
8	Mrunali Prashant Malpure	SV BSC	139	<i>[Signature]</i>	
9	Jyoti Narayan Fivari	SV BSC	307	<i>[Signature]</i>	
10	Shalish Valmik Pawar	FV BSC	239	<i>[Signature]</i>	
11	Tushar Gangadhar Barchhav	FV BSC	30	<i>[Signature]</i>	
12	Aislini Md Ismail Shakkil Ah.	FV BSC	298	<i>[Signature]</i>	
13	Dipak Shivaji Pawar	FV BSC	170	<i>[Signature]</i>	
14	Kaveri Shankar Shewale	TV BSC	172	<i>[Signature]</i>	
15	Jyotsna Nivrati Garde	TV BSC	174	<i>[Signature]</i>	
16	Swati Madhukar Ushir	TV BSC	177	<i>[Signature]</i>	
17	Shaikh Tanvir Shaikh Habib	TV BSC	176	<i>[Signature]</i>	
18	Shashikant Kailas Chavan	TV BSC	295	<i>[Signature]</i>	
19	Kunal Dipak Bhatnagar	TV BSC	178	<i>[Signature]</i>	
20	Yash Raghunath Dhole (Math)	TV BSC	168	<i>[Signature]</i>	
21	Ajay Subhash Rathod (Math)	TV BSC	169	<i>[Signature]</i>	
22	Bhuashan Chandramohan Ahire (Math)	TV BSC	162	<i>[Signature]</i>	
23					
24					
25					
26					

Registration Link: [Click Here](#)



Mahatma Gandhi Vidyamandir's  
**Maharaja Sayajirao Gaikwad  
Arts, Science & Commerce College**

Malegaon Camp, Dist. Nashik - 423 105 (India)

**Three Days Workshop**

on

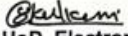
**"Robotics & IoT"**


**Sponsored by Ray Robotics KPT Media Pvt. Ltd. Nashik**




# Certificate

This is to certify that Miss / Master Nalini Ashok Ahire (S.Y.B.Sc)  
actively participated in three days Workshop on "Ray Robotics & IoT" organised by Electronic Sci,  
Computer Sci. Departments of this college & Ray Robotics KPT Media Pvt. Ltd. Nashik,  
on 24 - 26 March 2022.

  
HoD, Electronic Sci.  
Dr. Mrs. S.C. Kulkarni

  
HoD, Computer Sci.  
Prof. D.J. Deore

  
RAY Robotics  
(Director)

  
Principal.  
Dr. D.F. Shirude

Sample of  
Certificate: