



PRABODHAN SHIKSHAN PRASARAK SANSTHA'S (Regd.No. E-697 Ratnagiri)
RAJENDRA MANE COLLEGE OF ENGINEERING AND TECHNOLOGY
Approved by AICTE, Recognised by D.T.E & Affiliated to University of Mumbai
Accredited by NAAC with 'B+' Grade

Office : At & Po - Ambav (Devrukh) Tal - Sangmeshwar, Dist - Ratnagiri, Pin - 415804 (Maharashtra)
Email : info@rmcet.com • Website : www.rmcet.com

SUMMARY SHEET

WORKSHOP DETAILS

Academic Year: 2019-20

Workshop Name: "Line Follower Robo "
Project based Learning

E Club Activity_1

Duration: 1 Day

Dates: 24th Sept 2019, 28th Sept 2019 (3Hrs on respective days)


Location: E-Club & CAD & Simulation Lab

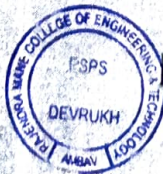
Coordinator: Mr. P. D. Waikar (Assistant Professor,
Department of EXTC Engineering RMCET)

Student Coordinator/Resorce: Mr. Pratik Mahadik (BE EXTC)

Numbers of Students Attended: 24 students of TE EXTC

Documents attached: 1. Report
2. Attendance Sheets


Mr. P. D. Waikar
E Club Coordinator




Mr. A. A. Tatugade
HOD, EXTC

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☎ : (02354) 260992 • Fax: (02354) 261501 • Email : info@rmcet.com • Website : www.rmctet.com

Department of Electronics and Telecommunication Engineering

Academic Year 2019-20

E club Student Activity No:01 Project Based Learning

Title: Line follower Robo

Resource Persons/Student Coordinator: Mr.Pratik Mahadik (BE EXTC)/

Staff Coordinator: Mr. Pramod Waikar

Objective of Course: Project based Learning.How Arduino(microcontroller) based line follower Robo with few sensors & motors are used to develop & design small project

About Course:

Electronics & Telecommunication engineering department always arranges seminars and workshops & Students Activities to facilitate students to get fundamental & practical knowledge in various fields. Electronics Over the year Arduino has become brain of various electronics projects. To develop electronics projects for TE students, it is necessary to take initiative and develop programing skills with the help of electronics development board. Arduino Uno became more popular controller because of its very useful features. The drawbacks of microcontroller like 8051 and 8052 can be cured with this Arduino Uno controller. It can be connected via USB slot. As we know C++ language is very popular so, that advantage is useful in Arduino Uno. Becoming familiar with Arduino is one step towards developing electronics project. Project based learning give students an opportunity to understand design & modelling with use of software tools

Duration:

This Course was held on 24th Sept. & 28th Sept 2019 for TE EXTC Student gained valuable hands-on experience. as well as how to Schedule & plan the project activities in a stipulated time.

Number of Beneficiary: 24 students from TE EXTC Class

Venue: E CLUB Lab, EXTC Department





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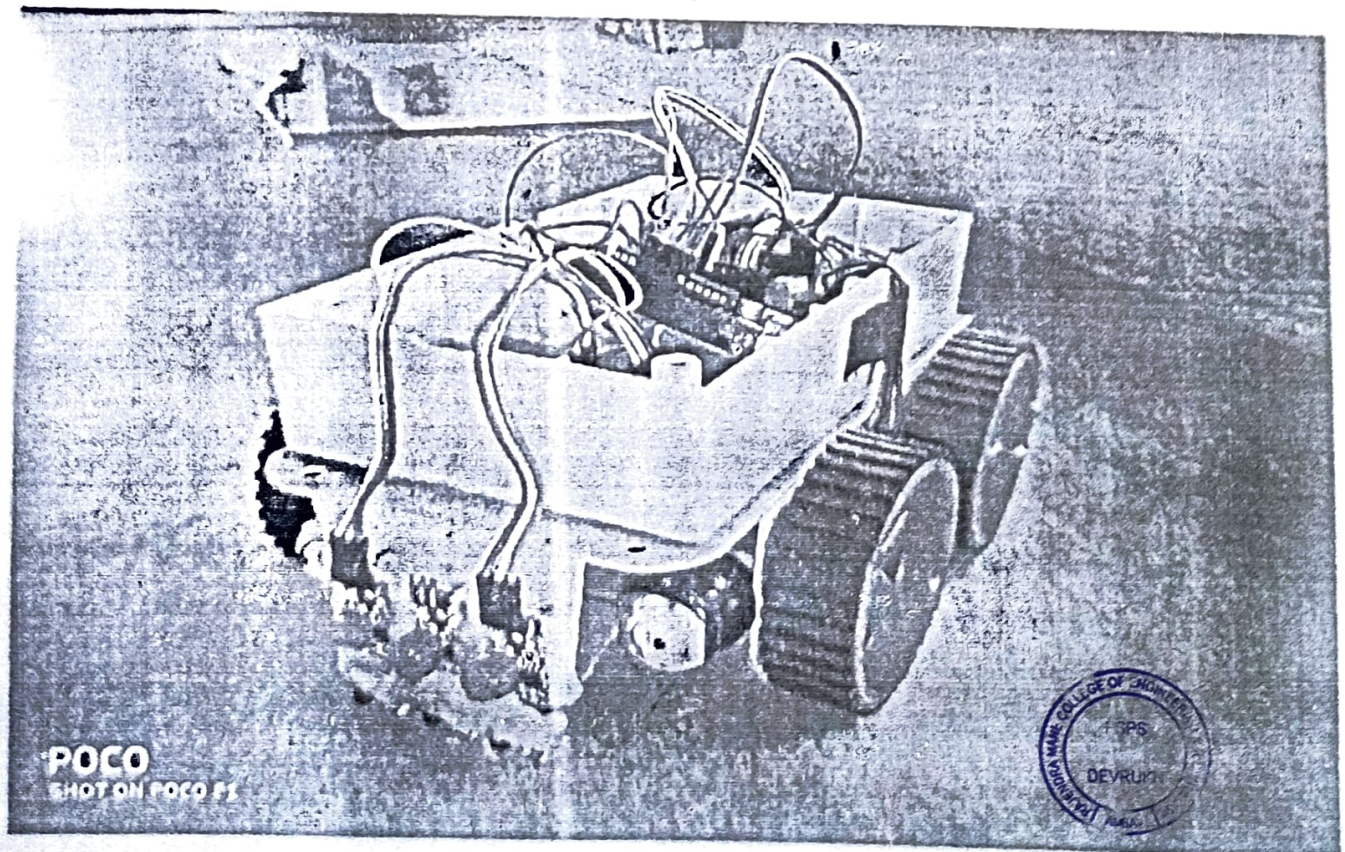
Office : A1 & Po - Ambav (Devrukh)- 415804 Tal: Sangmeshwar, Dist. Ratnagiri, (Maharashtra)
☎ : (02354) 260992 • Fax: (02354) 261301 • Email : info@rmcet.com • Website : www.rmctet.com

Department of Electronics and Telecommunication Engineering

Hands on practice



Final Ready Model





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Department of Electronics and Telecommunication Engineering

Course Contents: Arduino Uno based line follower with photodiode

Components

- 1) Arduino Uno
- 2) Dc motors
- 3) Driver Ic
- 4) Photodiode,
- 5) Connecting wires
- 6) Plastics box case& wheels

Hands on practice



POCO
SHOT ON POCO F1





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☎: (02354) 269400/269401 • Email: info@rmcet.com • Website: www.rmcet.com • DTE Code: 3202
Department of Electronics & Telecommunication Engineering

DATE: 24th & 28th Sept.2019

Attendance

Eclub Activity No:01

Activity Details : Project Based Learning (Line Follower Robo)

Student Coordinator/s: Mr.Pratik Mahadik (BE EXTC)

Roll No.	Student's Name	Student Sign.
301	BARGODE VEDANT RAJESH	V.R.
302	BEHRE SHIRIPAD RAJENDRA	Shiripad
303	BURTE SHUBHAM ANANT	Shubham
304	CHAVAN ANIKET ANIL	Aniket
305	DESAI SAMEER SHIVAJI	Absent
306	GAWADE SIDDHESH JAYVANT	Siddhesh
307	GHANEKAR PRATHAMESH P.	Prathamesh
308	GHANEKAR TEJASHRI R.	Tejashri
309	JADHAV SIDDHANT SUNIL	Siddhant
310	KADAM PRATIKSHA S.	Pratiksha
311	KANGUTKAR RAJAT MAHESH	Rajat
312	KARANJAYKAR SAINATHI DILIP	Sainathi
313	KHAPARE SANKET SHIVAJI	Sanket
314	KUDTARKAR HARSHAD D.	Absent
315	LINGAYAT ROHAN MANOJ	Rohan
316	MAHADIK PRATHAMESH SUNIL	Prathamesh
317	MAVALANKAR VIRAJ VIJAY	Viraj
318	NARVEKAR RUTIKA S.	Rutika
319	NATUSKAR OMKAR DILEEP	Omkar
320	PATOLE RAJ UDAY	Raj
321	PAWAR ADITYA DILIP	Aditya
322	RAO TEJAL RAJESH	Tejal
323	SALVINAMRATA C.	Namrata
324	SALVI SWAROOP R.	Swaroop
325	SANSARE TEJAS VIKAS	Tejas
326	SURVE ANJALI RAVINDRA	Anjali

E Club Coordinator
Mr. P. D. Waikar

A. D. D.
ELECTRONICS & TELECOMMU. ENGG.
Rajendra Mane College of
Engineering & Technology
Ambay Devrukh, Tal. Sangameshwar,
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(Maharashtra)

PRINCIPAL
Rajendra Mane College of Engineering
& Technology Ambay, Devrukh,
Tal. Sangameshwar Dist. Ratnagiri,
Pin : 415804 (Maharashtra)