

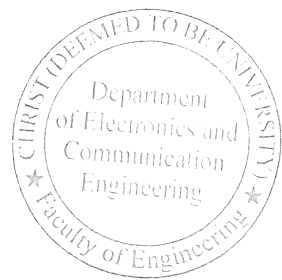
16

Faculty Of Engineering
Department of Electronics & Communication Engineering

REPORT ON DEPARTMENT EVENTS

Academic year & Semester	2018-19, Even Semester	
Name of the Department	Electronics and Communication Engineering	
PoC Faculty Member for clarifications (write email ID & mobile number for contact)	Prof. Vivek	
Details of the Event		
Name of Event	Workshop on Self Driving Car Robotics	
Description of the Event (seminar/workshop/guest lecture/hands on practice/Industrial Visit)	Workshop	
Address & contact details of Resource Persons/Speakers if any (provide email ID & mobile number of all the speakers)	Organized Institutional Level.	
No. of Days event held	One	
Date(s) and Duration	Date: 27 Feb 2018	Time: 9:00 am to 4:00 pm
Any amount spent for the event ?	Yes. Institutional Level.	
Details of participants attended the event		
Number of guests from outside university	Institutional Level	
Students & faculty members from the department	150	
Students & faculty members from Faculty of Engineering (other depts.)	Nil	
Total Participants	150	
Is Attendance list enclosed? If no, specify the reason	Mandatory for ECE department Students.	


Prepared by



Approved by



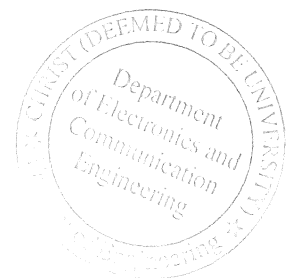
MAGNOVITE 2019 WORKSHOPS

SELF DRIVING CAR ROBOTICS WORKSHOP

Instructed by Mr.Vignesh Shinde from AMZ

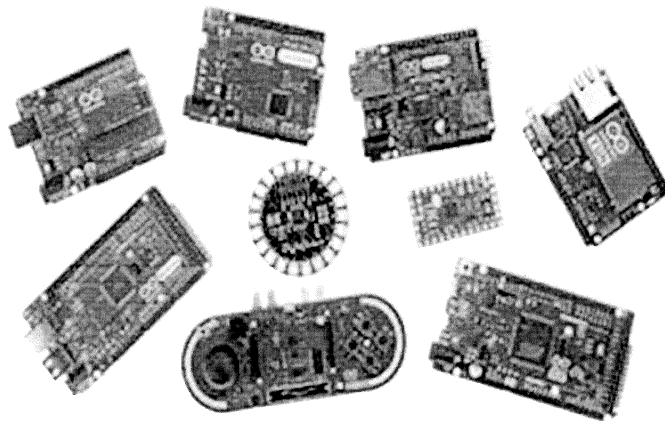
Faculty Coordinator: Dr. Sujatha

Organized by Department of Electronics and
Communication, Christ Faculty of Engineering.

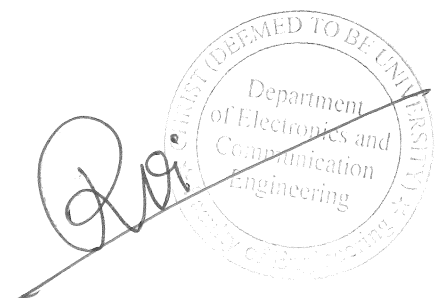
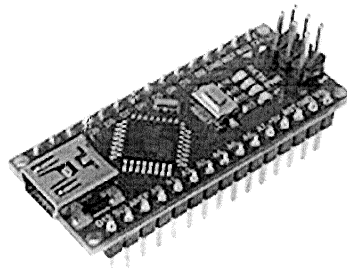


DAY-1

1. Introduction to microprocessors

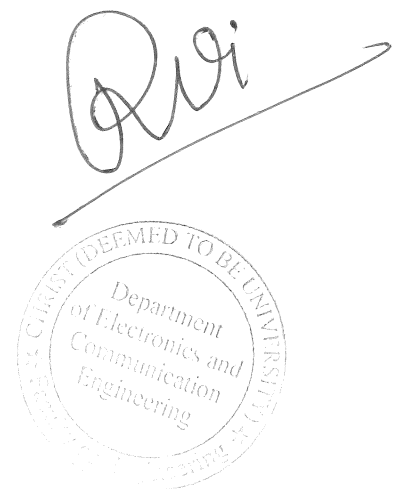
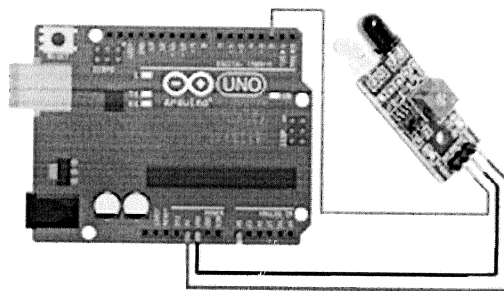
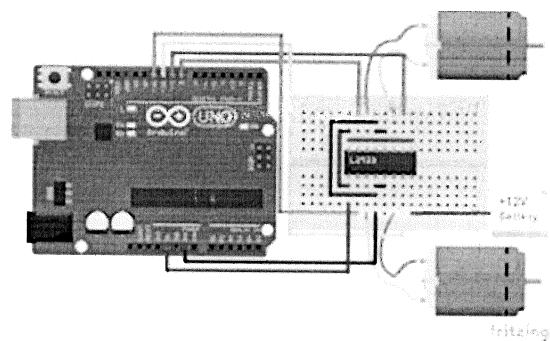
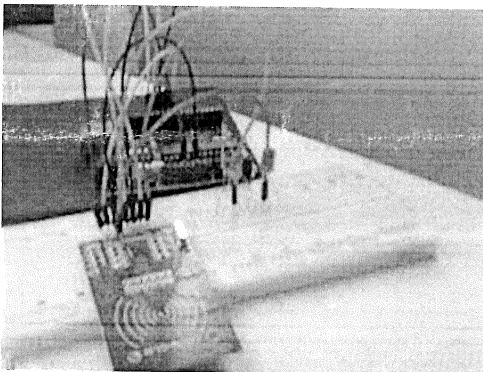


Microprocessor used by the students
was ARDUINO NANO



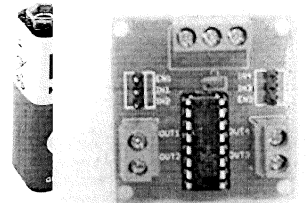
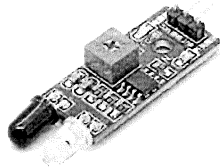
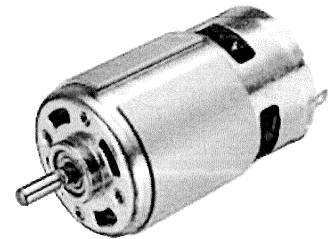
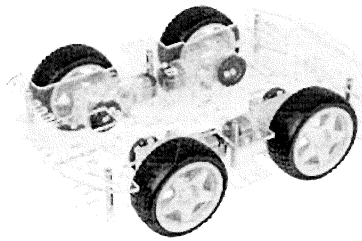
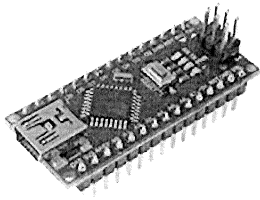
2. Interfacing external devices with the Arduino board

- LEDs
- Sensors: Infrared sensor (mainly practically used)
- Motors: AC motor, DC motor

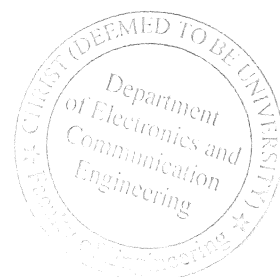


3. Prerequisites for building up the Self driving Robot car

Components Used: Chassis, Arduino Nano, DC Motors, Infrared Sensors, Jumper wires, Battery, Motor Driver



Rishi

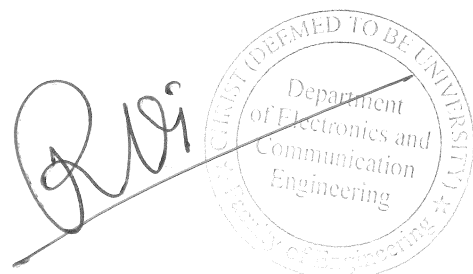
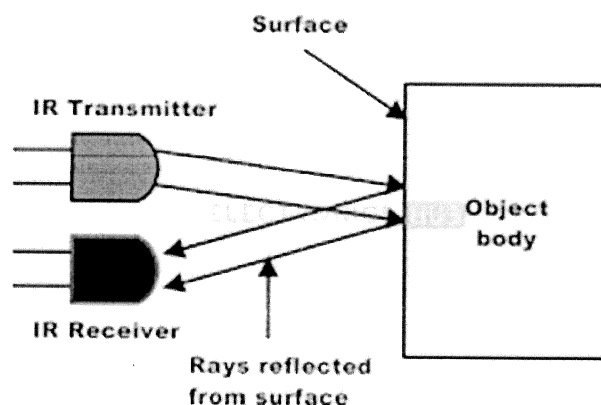


DAY-2

Building up the line follower robot car

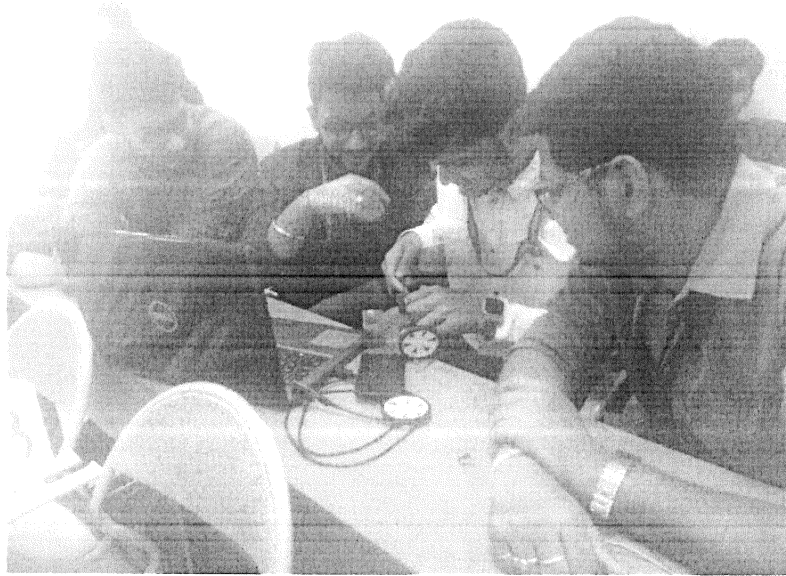
A Robot is any machine which is completely automatic, i.e. it starts on its own, decides its own way of work and stops on its own. It is actually a replica of human being, which has been designed to ease human burden. It can be controlled pneumatically or using hydraulic ways or using the simple electronic control ways. The first industrial robot was Unimates built by George Devol and Joe Engel Berger in the late 50's and early 60's. Any robot is built on 3 basic laws defined by the Russian Science fiction author Isaac Asimov:

- A robot should not harm the human being directly or indirectly.
- A robot should obey human orders unless and until it violates the first law.
- A robot should protect its own existence provided the 1st two laws are not violated.

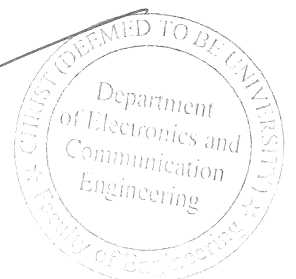


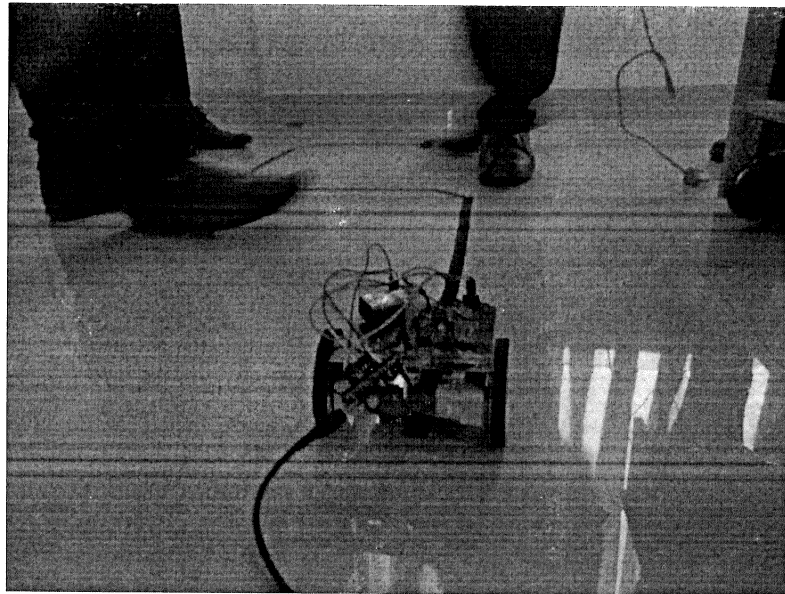
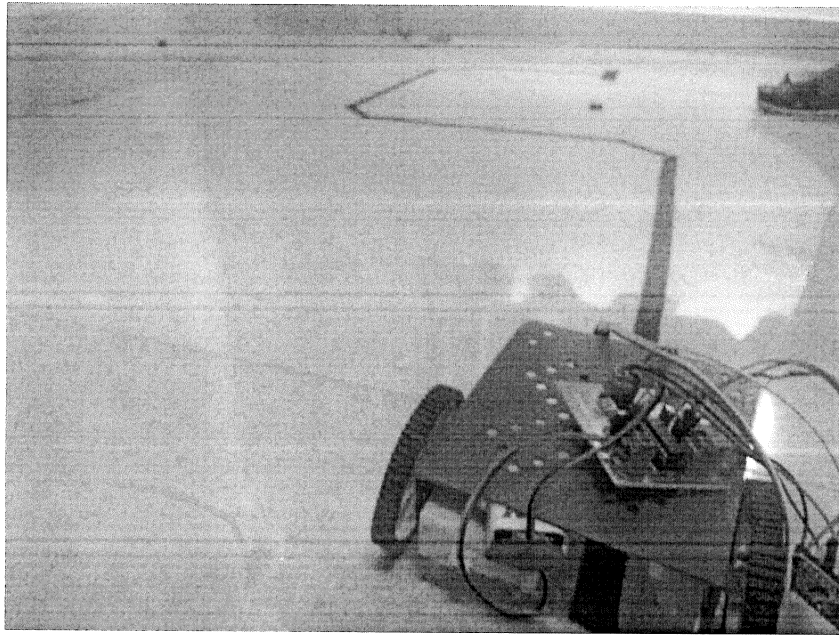
DAY-3

Testing and competition among the robots made

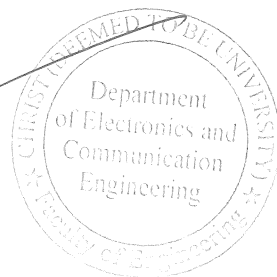


Ravi





Ravi





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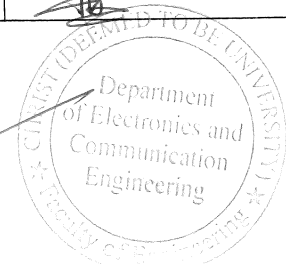
Workshop- Self Driving Car Robotics

Date: 27 Feb 2019

Attendance List

SL No	Register Number	Name	Signature
1	1660114	SOWMYA SREENIVASAN	Sowmya
2	1660370	RUDRAKSH MISHRA	Rudraksh
3	1660486	R ARJUN	Arjun
4	1660601	AJAY RAMAKRISHNA MENON	Ajay Menon
5	1660603	BRAHM DEV TIWARI	Brahm Dev
6	1660606	ISAC S KULAKUDY	Isac
7	1660607	K ABISHEK CHANDRAN	Abishek
8	1660608	K KARTHIK	Karthik
9	1660610	LOURDHU AKHIL KANNA	Lourdhu
10	1660611	M SIBI MANUSH	Sibi
11	1660612	MANIK RAJ	Manik Raj
12	1660613	MICHENAMETLA MEGHA SHYAM	Megha
13	1660614	MINTO MATHEW K J	Minto
14	1660615	PRITHVI RAJ MACHA	Prithvi
15	1660617	REEVE IGNATIUS SAVIO LOBO	Reeve
16	1660621	STEVE STEPHEN PONISAKE	Steve
17	1660622	ANGELA ANISHA	Angela
18	1660623	ANJANA K S	Anjana
19	1660624	CLARINE RENIE DELILAH J	Clarine
20	1660625	JUSTEENA THOMAS	Justeena
21	1660627	NIKITA NAYAR	Nikita
22	1660629	POOJITHA.M	Poojitha
23	1660632	ROSE ANTONY	Rose
24	1660633	RUTH SANDRA H	Ruth
25	1660634	Y.CHAITRI GOVARDHANA RAO	Chaitri
26	1660636	KARTHIK E	Karthik
27	1660637	ROSHIN CHERIAN	Roshin
28	1660640	FARHEEN ZUBAIR	Farheen
29	1660641	DHRUPAD U	Dhrupad
30	1660642	GEORGE F VADAKUMCHERY	George
31	1660643	VIGNESH N H	Vignesh
32	1660644	SHAARU D A	Shaaru
33	1660645	YALLAREDDYGARI MANOJKUMAR REDDY	Manoj Kumar
34	1660646	VAIBHAV P THOMAS	Vaibhav
35	1660647	P AMAR	P Amar
36	1660648	SANGEERTH VINOD	Sangeerth
37	1660649	PRIYANKA BISWAS	Priyanka

[Handwritten Signature]

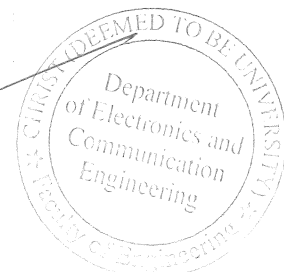


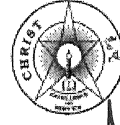


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38	1660650	ASHISH PRIYADERSHY	<i>Ashish</i>
39	1660651	NANDITA NAIR	<i>Nandita</i>
40	1660652	MALLAVAJALA SIDDARTHA ATHREYA	<i>Mallava</i>
41	1660653	JERRIPOTHULA SAIJEETH	<i>Saijeeth</i>
42	1660654	MAYOOGH GIRISH	<i>Mayoogh</i>
43	1660655	UTSAV DIHINGIA	<i>Utsav</i>
44	1660656	PROTTUSH DUTTA	<i>Prottush</i>
45	1661014	ATHINA ANN THOMAS	<i>Aathina</i>
46	1760308	ALWIN C VARGHESE	<i>alwin c.</i>
47	1760453	MEKA KUMAR VIGNESWAR REDDY	<i>Meka</i>
48	1760601	ABIN CHALSON	<i>Abin</i>
49	1760603	ALDRIN LOUIS FIGURADO	<i>Aldrin</i>
50	1760604	ANISH T CYRIAC	<i>Anish</i>
51	1760605	ARVIND R	<i>Aravind</i>
52	1760606	ASHISH G NAIR	<i>Ashish</i>
54	1760607	B RISHITH RAO	<i>Rishi</i>
55	1760608	BENSON THOMAS	<i>Benson Thomas</i>
56	1760613	MACHERLA PRAJWAL	<i>Macherla</i>
57	1760614	MANDLE SANDEEP REDDY	
58	1760615	MOPURI AKHIL KUMAR REDDDY	<i>Mopuri</i>
59	1760618	RAKUL A V	<i>Rakul</i>
60	1760622	ANAKHA ELIZABATH GEORGE	
61	1760623	ANITA JOSE	<i>Anita</i>
62	1760625	KELLY MARTIN	<i>Kelly</i>
63	1760627	ROSE RAJAN	<i>Rose</i>
64	1760628	SAI RAKSHITHA	
65	1760630	SWETHA SUNITH	<i>Swetha</i>
66	1760631	G R BHARATH	<i>G R Bharath</i>
67	1760632	NIKITA ELIZABETH JOSEPH	<i>Nikita</i>
68	1760633	JONNALA VENKATA VISHNU	<i>Jonjala</i>
69	1760634	KOVVURU HEMANTH CHARAN REDDY	<i>Kovvuru</i>
70	1760636	PEDDAKOTLA SANJAYDATTA	<i>Peddakotla</i>
71	1760637	POTU HARSHIT	<i>Potu</i>
72	1760639	KUSUMA B	<i>Kusuma</i>
73	1760640	MARIYA SNEHA	<i>Mariya</i>
74	1760642	MOGALLURI SRIKANTH	<i>Mogalluri</i>
75	1760643	NANDIMANDALAM NAGENDRA SAI	<i>Nandimandalam</i>
76	1760644	CHRISTINA T J	
77	1760645	GUNDLAMADUGU MADHUKIRAN	<i>Gundlamadugu</i>
78	1760646	LOMADA SAI PRASAD REDDY	<i>Lomada</i>
79	1760647	KANEKAL NUZHATH SAMREEN	<i>Kaneikal</i>
80	1760648	VEDIKA VINITHA RAJ	
81	1760649	ABHISHEK KUMAR	<i>Abhishek</i>
82	1760651	AMAL J DEV	<i>Amal</i>

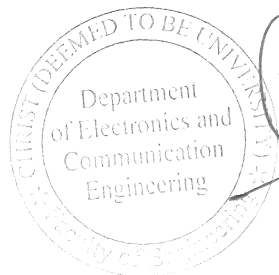
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83	1760652	ARCHIT THAKURGOTA	<i>Archit</i>
84	1760654	CHITTIPROLU AAKANKSH	<i>Chittip</i>
85	1760655	KETHIREDDY ROHITH KUMAR REDDY	<i>Rohith</i>
86	1760656	POLAKALA DINESH REDDY	<i>DP</i>
87	1760659	A.HARIRAJ	<i>Hariraj</i>
88	1760660	JAYAM LIKITHA	<i>Likitha</i>
89	1760661	ANNAVAJALA ABHIRAM SAI	<i>AS</i>
90	1760662	ANTONY JOSEPH T	<i>Antony</i>
91	1760663	MOHD ZAID	<i>Zaid</i>
92	1760664	NARAYANA PADMANABHAM TEJA GANESH	<i>Teja</i>
93	1760670	AJAY S	<i>Ajay</i>
94	1760602	AKHIL M VARKEY	
95	1760609	DEEPAK KANNAN	<i>Deepak</i>
96	1760610	DION VARGHESE PRAVEEN	<i>Praveen</i>
97	1760619	RONIE MARIA MARCELO S	<i>Ronie</i>
98	1760621	A S DEVI DHARSHINI	<i>Dev</i>
99	1760629	SUMI SEKHAR	
100	1760650	AKHIL BENNY	<i>Benny</i>
101	1760653	BASAPPA JAMPAPURAM RAJITH	<i>Rajith</i>
102	1760673	ANTHAPU UMA DEVI	
103	1760617	POLAMARSETTY SUSHMANTH	
104	1760620	SHASHANK RAWAT	<i>Shashank</i>
105	1660601	AJAY RAMAKRISHNA MENON	
106	1760652	ARCHIT THAKURGOTA	<i>Archit</i>
107	1560132	SREESHMA	<i>Sreeshma</i>
108	1560323	FUNGAMALI PONDAMALI DIEUDONNE	
109	1560365	DEEPANNITA DUTTA	<i>Deepannita</i>
110	1560391	MOURYA GUPTA VAKACHARLA	<i>Mourya</i>
111	1560443	SHREY H SHAH	
112	1560503	BHUPALAM MOHITH SUBBARAYUDU	<i>Mohith</i>
113	1560505	CHILUKURI VISHAL REDDY	
114	1560509	JOSEPH KURIAN	<i>Joseph</i>
115	1560513	SANJITH M GOWDA	
116	1560515	VAIBHAV SINGH	<i>Vaibhav</i>
117	1560517	ANJU SOMAN T	
118	1560519	KALAVAGUNTA SAI CHARITHA	
119	1560521	RAMYA. K.	<i>Ramya</i>
120	1560522	RUTH RUFINA S	<i>Ruth</i>
121	1560527	G SAI ARYA DIKSHITH VISHWAJITH	<i>Sai</i>
123	1560528	DILIP R	<i>Dilip</i>
124	1560529	K V ADVAITHA	<i>Advaita</i>
125	1560530	JAYASUDHA R	<i>Jayasudha</i>
126	1560532	SONA.M	<i>Sona</i>
127	1560534	JASHWANTHI V	<i>Jashwanti</i>



Ravi

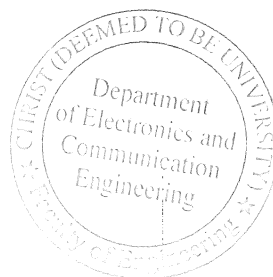


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128	1560535	PUSHPALATHA B V	Pushpa
129	1560537	DHIRAJ KUMAR MAHATO	
130	1560538	ANUSHA V REDDY	ANUR
131	1560539	RAJESH KUMAR K R	Rajesh
132	1560542	ERIC JOHN JOSE	Eric
133	1560543	RIORDAN MELCHIOR AROZA	Roza
134	1560544	BHARATH KUMAR N G	Bharath
135	1560547	ANUSH H P	Anush
136	1560550	SHREYA JAYACHANDRAN NAIR	Shreya
137	1560551	PASUPULETI KAILASH RAM	Kailash
138	1560552	REENA D	Reena
139	1560553	ASHLY MATHEW P	Ashly
140	1560557	ADITHYA NAGA SAI TIRUMANISETTI	Aditya
141	1560559	SAYANTAN SAHA	Sayantan
142	1560560	SHAIVI SAHAY	Shaivi
143	1560563	ABHIJIT CHAKRABORTY	Abhijit
144	1560564	ADITYA KUMAR	Aditya
145	1560702	CHRISTY STANISLAUS	Christy
146	1560710	AYESHA	Ayesha
147	1560711	RAVEENA JOKIM CRASTHA	Raveena
148	1560944	DANIEL ANUSH V	Daniel
149	1561104	CHEEMALAPATI JAYADEEP REDDY	Cheemalapati
150	1561319	C P ADARSH	CP

Adi





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MAGNOVITE 2019

WORKSHOP ON

SELF DRIVING CAR ROBOTICS

27TH FEB. 2018

FACULTY CO-ORDINATOR
Dr. Sujatha S

TIME
9 am to 4 pm

VENUE

**Block I auditorium,
Faculty of engineering,
Christ University**

Organised by

Dept. of ECE
Faculty of Engg., CHRIST University

Instructed by

MR. VIGNESH SHINDE
AMZ

