

**TABLE -1 First Engineering \_Structure for Semester-I**

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107001	Engineering Mathematics-I	03	--	01	30	70	25	--	--	125	03	--	01	04
107002/ 107009	Engineering Physics / Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
102003	Systems in Mechanical Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
103004 / 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
111006	Workshop <sup>@</sup>	--	02	--	--	--	--	25	--	25	--	01	--	01
Total		16	10	01	150	350	25	125	--	650	16	05	01	22
101007	Audit Course 1 <sup>&amp;</sup>	02	Environmental Studies-I											

**Induction Program :** 2 weeks at the beginning of semester-I and 1 week at the beginning of semester-II

**TABLE -2 First Engineering \_Structure for Semester-II**

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107008	Engineering Mathematics-II	04	--	01	30	70	25	--	--	125	04	--	01	05
107002/ 107009	Engineering Physics/ Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
103004 / 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
102012	Engineering Graphics <sup>Ω</sup>	01	02	01	--	50	25		--	75	01	01		02
110013	Project Based Learning <sup>\$</sup>	--	04	--	--	--	25	50	--	75	--	02	--	02
Total		15	12	02	120	330	75	125	--	650	15	05	02	22
101014	Audit Course 2 <sup>&amp;</sup>	02	Environmental Studies-II											
107015		--	Physical Education-Exercise and Field Activities											

6. Jensen, C., Helsel, J. D., Short, D. R., (2008), "Engineering Drawing and Design", McGraw-Hill International, Singapore

### **Guidelines for Laboratory Conduction**

#### **Tutorial Session**

Can be utilized to teach the basic commands of any drafting package, by using this knowledge students shall be able to complete the five assignments on the CAD software. (Minimum 2 problems in each assignment)

Assignment 1: Construct any Engineering Curve using any method

Assignment 2: Orthographic view of any machine element along with sectional view.

Assignment 3: Draw Isometric view for given orthographic views.

Assignment 4 :Draw the isometric or Orthographic view of a product/object (For example Workshop Job prepared during the workshop practice or any product developed during the first year session).

Assignment 5: Draw the development of lateral surface of a solid/ truncated solid.

#### **Practical Session**

Draw minimum two problems on each assignment on the A3 size drawing sheet.

#### **Suggested List of Laboratory Experiments/Assignments**

Assignment 1: Construct any Engineering Curve by any method

Assignment 2: Orthographic view of any machine element along with sectional view.

Assignment 3: Draw Isometric view for given orthographic views.

Assignment 4: Draw the development of lateral surface of a solid/ truncated solid

Assignment 5: Draw the isometric or Orthographic view of a product/object (For example Workshop Job prepared during the workshop practice or any product developed during the first year session.)

### **110013: Project Based Learning**

**Teaching Scheme:**

**PR: 04 Hrs/Week**

**Credits**

**02**

**Examination Scheme:**

**PR : 50 Marks**

Preamble:

For better learning experience, along with traditional classroom teaching and laboratory learning; project based learning has been introduced with an objective to motivate students to learn by working in group cooperatively to solve a problem.

Project-based learning (PBL) is a student-centric pedagogy that involves a dynamic classroom approach in which it is believed that students acquire a deeper knowledge through active exploration of real-world challenges and problems. Students learn about a subject by working for an extended period of time to investigate and respond to a complex question, challenge, or problem. It is a style of active learning and inquiry-based learning. (Reference: Wikipedia). Problem based learning will also redefine the role of teacher as mentor in learning process. Along with communicating knowledge to students, often in a lecture setting, the teacher will also to act as an initiator and facilitator in the collaborative process of knowledge transfer and development.

#### **Course Objectives:**

1. To emphasizes learning activities that are long-term, interdisciplinary and student-centric.
2. To inculcate independent learning by problem solving with social context.
3. To engages students in rich and authentic learning experiences.
4. To provide every student the opportunity to get involved either individually or as a group so as to develop team skills and learn professionalism.

## NOTICE

Date:- 14/07/2023

All first-year engineering students are hereby informed that their **final term-work submission (SEM-II)** is scheduled from **Wednesday, July 19, 2023, to Thursday, July 20, 2023**. All students have to bring their all-subject certified journals on the same day without fail. The detail schedule is as follows.

Sr.No.	Day and Date	Time	Div.
1	Wednesday, 19/7/2023	10:00 AM To 12:30 PM	A
2	Wednesday, 19/7/2023	1:30 PM To 3:30PM	C
3	Thursday, 20/7/2023	10:00 AM To 12:30 PM	B
4	Thursday, 20/7/2023	1:30 PM To 3:30PM	D


**Note:** Defaulter students (**attendance less than 75%**) are not eligible for TW submission.

- At the time of submission, all college Fees should be clear.

### Procedure of submission:-

**Journal Checking** → certification → stamp and signature of HOD  
→ stamp and signature of Principal → Punching on file → signature on submission sheet.



  
**FE-HOD**  
**Dr. U.V. Shinde**  
Shinde U. V.  
First Year  
Siddhant College of Engineering,  
Sudumbare, Pune-412108

# SIDDHANT COLLEGE OF ENGINEERING

FACULTY OF ENGINEERING  
DEPARTMENT OF FIRST YEAR ENGINEERING

A.Y. 2022-23 Sem-II

DIVISION - A & B

Termwork / Practical Submission Record Date: 15/07/2023

Sr. No.	Roll No.	Seat No.	Name of Students	M-II	PHY	M-II	PPS	EG	PHY
1	202	F190440006	ALHAT CHINMAY PRASOD	<del>Alhat</del>	<del>Alhat</del>	<del>Alhat</del>	<del>Alhat</del>	<del>Alhat</del>	<del>Alhat</del>
2	101	F190440008	AMBRE SWAPNIL DEEPAK	<del>Amre</del>	<del>Amre</del>	<del>Amre</del>	<del>Amre</del>	<del>Amre</del>	<del>Amre</del>
3	204	F190440012	AYUSH BAG	<del>Bag</del>	<del>Bag</del>	<del>Bag</del>	<del>Bag</del>	<del>Bag</del>	<del>Bag</del>
4	102	F190440014	BACCHE VAISHNAVI CHANDRAKANT	<del>Bacche</del>	<del>Bacche</del>	<del>Bacche</del>	<del>Bacche</del>	<del>Bacche</del>	<del>Bacche</del>
5	103	F190440018	BAGADI CHANCHAL RAJU	<del>Chanchal</del>	<del>Chanchal</del>	<del>Chanchal</del>	<del>Chanchal</del>	<del>Chanchal</del>	<del>Chanchal</del>
6	104	F190440022	BARI AYUSH SUNIL	<del>Bari</del>	<del>Bari</del>	<del>Bari</del>	<del>Bari</del>	<del>Bari</del>	<del>Bari</del>
7	205	F190440027	BHAGAT KSHITIJ KUNDLIK	<del>Bhagat</del>	<del>Bhagat</del>	<del>Bhagat</del>	<del>Bhagat</del>	<del>Bhagat</del>	<del>Bhagat</del>
8	206	F190440029	BHANGE DIPALI ACHYUT	<del>Dipali</del>	<del>Dipali</del>	<del>Dipali</del>	<del>Dipali</del>	<del>Dipali</del>	<del>Dipali</del>
9	105	F190440042	BIDKAR DURVESH DINESH	<del>Bidkar</del>	<del>Bidkar</del>	<del>Bidkar</del>	<del>Bidkar</del>	<del>Bidkar</del>	<del>Bidkar</del>
10	207	F190440043	BIRADAR ANZALI RAMESH	<del>Anzali</del>	<del>Anzali</del>	<del>Anzali</del>	<del>Anzali</del>	<del>Anzali</del>	<del>Anzali</del>
11	106	F190440046	BISWAS BISHAKHA BASUDEV	<del>Bishakha</del>	<del>Bishakha</del>	<del>Bishakha</del>	<del>Bishakha</del>	<del>Bishakha</del>	<del>Bishakha</del>
12	125	F190440047	BOBADE AARYA MURLIDHAR	<del>Aarya</del>	<del>Aarya</del>	<del>Aarya</del>	<del>Aarya</del>	<del>Aarya</del>	<del>Aarya</del>
13	208	F190440048	BOCHARE AISHWARYA SANJAY	<del>Aishwarya</del>	<del>Aishwarya</del>	<del>Aishwarya</del>	<del>Aishwarya</del>	<del>Aishwarya</del>	<del>Aishwarya</del>
14	107	F190440050	BOROLE SAKSHI GHANASHYAMDAS	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>
15	209	F190440058	CHAUDHARY VAISHNAVI BALISTER	<del>Vaishnavi</del>	<del>Vaishnavi</del>	<del>Vaishnavi</del>	<del>Vaishnavi</del>	<del>Vaishnavi</del>	<del>Vaishnavi</del>
16	108	F190440059	CHAUHAN SUMERSINGH JAGANNATHSINGH	<del>Sumersingh</del>	<del>Sumersingh</del>	<del>Sumersingh</del>	<del>Sumersingh</del>	<del>Sumersingh</del>	<del>Sumersingh</del>
17	210	F190440061	CHAVAN VISHAL PRAVIN	<del>Vhavan</del>	<del>Vhavan</del>	<del>Vhavan</del>	<del>Vhavan</del>	<del>Vhavan</del>	<del>Vhavan</del>
18	211	F190440063	CHELEKAR MAHESH RAJARAM	<del>Mahesh</del>	<del>Mahesh</del>	<del>Mahesh</del>	<del>Mahesh</del>	<del>Mahesh</del>	<del>Mahesh</del>
19	109	F190440065	CHORAGE SAYALI SANJAY	<del>Sayali</del>	<del>Sayali</del>	<del>Sayali</del>	<del>Sayali</del>	<del>Sayali</del>	<del>Sayali</del>
20	212	F190440068	DEOKAR SNEHA SURESH	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>	<del>Sneha</del>









Sr. No.	Roll No.	Seat No.	Name of Students	M-II	PHY	BLX	PPS	EG	PBL
99	247	F190440325	TAMBE ARJUN ASHOK	Arj	Arj	Arj	Arj	Arj	Arj
100	248	F190440328	TARHALE RAJESHWAR GAJANAN	Raj	Raj	Raj	Raj	Raj	Raj
101	154	F190440333	THAKUR PRINCE SATISH	Prince	Prince	Prince	Prince	Prince	Prince
102	250	F190440336	THORAWADE ASHWINI TANAJI	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
103	155	F190440340	TUPE SHWETA NAVNATHI	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta
104	251	F190440341	TURE SHAHIR SANJAY	Shahir	Shahir	Shahir	Shahir	Shahir	Shahir
105	252	F190440342	VAIDYA SURAJ DATTATRY S.D. Vaidya	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
106	156	F190440344	VARE PRATIK HALU	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
107	157	F190440345	VARE SHRIDHAR LANKU	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar
108	203	F190440348	VISHAL BAPU WAGHMORI	Vishal	Vishal	Vishal	Vishal	Vishal	Vishal
109	253	F190440352	WAGHMARE TANUJA SHRAVAN	Tanuja	Tanuja	Tanuja	Tanuja	Tanuja	Tanuja
110	158	F190440354	WALUNJ NIKHIL KUNDAN	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
111	254	F190440357	WAROLE SANKET RATNAKAR	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
112	249	F190440361	YASH MUKUNDA TEKALE	Yash	Yash	Yash	Yash	Yash	Yash
113	256	F190440364	YEDKE YOGITA ASHRUBA	Yogita	Yogita	Yogita	Yogita	Yogita	Yogita
114	257	F190440366	YEOLE SHREYA KISHOR	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
SUBJECT TEACHER NAME & SIGN									



DR. U. V. SHINDE  
HOD

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First Year Co-ordinator  
Siddhant College of Engineering,  
Sudumbare, Tal. Maval, Pune - 412 105.

0  
1/19/23.





Sl. No	Roll No	Seat No	Name of Students	M-II	CHEM	BEE	EM	EG	PBL
23	407	F190440073	DEVRE DARSHAN DINESH	<u>Devre</u>	<u>Devre</u>	<u>Devre</u>	<u>Devre</u>	<u>Devre</u>	<u>Devre</u>
24	409	F190440079	DHORAIKAR SHUBHAMDILIP	<u>Dhorai</u>	<u>Dhorai</u>	<u>Dhorai</u>	<u>Dhorai</u>	<u>Dhorai</u>	<u>Dhorai</u>
25	318	F190440081	DEKSHA POPAT GAIKWAD	<u>Dekeha</u>	<u>Dekeha</u>	<u>Dekeha</u>	<u>Dekeha</u>	<u>Dekeha</u>	<u>Dekeha</u>
26	410	F190440082	DIVATE HEMANT PARSHURAM	<u>Divate</u>	<u>Divate</u>	<u>Divate</u>	<u>Divate</u>	<u>Divate</u>	<u>Divate</u>
27	411	F190440083	DORALE VAIBHAV BABURAO	<u>Dorale</u>	<u>Dorale</u>	<u>Dorale</u>	<u>Dorale</u>	<u>Dorale</u>	<u>Dorale</u>
28	412	F190440086	DONUR PRAJWAL ASHOK	<u>Donur</u>	<u>Donur</u>	<u>Donur</u>	<u>Donur</u>	<u>Donur</u>	<u>Donur</u>
29	319	F190440090	GADGE AVANTIKA RAJU	<u>Gadge</u>	<u>Gadge</u>	<u>Gadge</u>	<u>Gadge</u>	<u>Gadge</u>	<u>Gadge</u>
30	320	F190440098	GAJARE BHUPESHNITIN	<u>Gajare</u>	<u>Gajare</u>	<u>Gajare</u>	<u>Gajare</u>	<u>Gajare</u>	<u>Gajare</u>
31	413	F190440101	GARGOTE RAJGURU NAVANATH	<u>Gargote</u>	<u>Gargote</u>	<u>Gargote</u>	<u>Gargote</u>	<u>Gargote</u>	<u>Gargote</u>
32	414	F190440102	GARJE BHAGVAN AJINATH	<u>Garje</u>	<u>Garje</u>	<u>Garje</u>	<u>Garje</u>	<u>Garje</u>	<u>Garje</u>
33	415	F190440104	GAVHANE RUTUJA MAHADEV	<u>Gavhane</u>	<u>Gavhane</u>	<u>Gavhane</u>	<u>Gavhane</u>	<u>Gavhane</u>	<u>Gavhane</u>
34	321	F190440106	GAWARI KESHAV GOVIND	<u>Left</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>
35	416	F190440107	GAWATE SARTHAK DATTATRAY	<u>Gawate</u>	<u>Gawate</u>	<u>Gawate</u>	<u>Gawate</u>	<u>Gawate</u>	<u>Gawate</u>
36	323	F190440108	GHARAT ABHISHEK SAKHARAM	<u>Gharat</u>	<u>Gharat</u>	<u>Gharat</u>	<u>Gharat</u>	<u>Gharat</u>	<u>Gharat</u>
37	324	F190440110	GHORPADE RUTUJA RAJENDRA	<u>Ghorpade</u>	<u>Ghorpade</u>	<u>Ghorpade</u>	<u>Ghorpade</u>	<u>Ghorpade</u>	<u>Ghorpade</u>
38	418	F190440114	GORDE SURAJ SHARAD	<u>Gorde</u>	<u>Gorde</u>	<u>Gorde</u>	<u>Gorde</u>	<u>Gorde</u>	<u>Gorde</u>
39	325	F190440116	GUND HARSHAD SUNIL	<u>Gund</u>	<u>Gund</u>	<u>Gund</u>	<u>Gund</u>	<u>Gund</u>	<u>Gund</u>
40	419	F190440121	HANWANTE SAYALI SANJAY	<u>Hanwante</u>	<u>Hanwante</u>	<u>Hanwante</u>	<u>Hanwante</u>	<u>Hanwante</u>	<u>Hanwante</u>
41	327	F190440123	HEBADE MAYUR JIVAN	<u>Hebade</u>	<u>Hebade</u>	<u>Hebade</u>	<u>Hebade</u>	<u>Hebade</u>	<u>Hebade</u>
42	128	F190440124	HINGANE SAKSHI SHIVPRAKASH	<u>Hingane</u>	<u>Hingane</u>	<u>Hingane</u>	<u>Hingane</u>	<u>Hingane</u>	<u>Hingane</u>
43	329	F190440127	HULAWALE YASH AJIT	<u>Hulawale</u>	<u>Hulawale</u>	<u>Hulawale</u>	<u>Hulawale</u>	<u>Hulawale</u>	<u>Hulawale</u>
44	330	F190440131	JADHAV DHANASHREE GAJANAN	<u>Jadhav</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>	<u>Left</u>
45	331	F190440132	JADHAV ANJALI DNYANORA	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
46	420	F190440133	JADHAV ASHOK BHAGWAT	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
47	332	F190440136	JADHAV MADHURA ANIL	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
48	333	F190440137	JADHAV PARTH GOPAL	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
49	421	F190440138	JADHAV PRATIKSHA KRISHINA	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>





No	No	Roll No	Seat No	Name of Students	M-II	CHEM	BEE	EM	EG	PBL
77	446	F190440251		PRATIK SHACHINDRA SHINDE	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
78	441	F190440253		PUJARI SHRADDHA RATNAKAR	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha	Shraddha
79	342	F190440255		RAKSHI SHRINATH PRAVIN	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi
80	441	F190440256		RAKSHI TANUJA GULAB	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi	Rakshi
81	442	F190440257		RASAL MORESHWAR NANDKUMAR	Rasal	Rasal	Rasal	Rasal	Rasal	Rasal
82	343	F190440259		RASKAR VRUSHALIUTTAM	Raskar	Raskar	Raskar	Raskar	Raskar	Raskar
83	344	F190440260		RATHOD PAYAL TULSHIRAM	Payal	Payal	Payal	Payal	Payal	Payal
84	443	F190440261		RAUT PRADNYA SHAM	Raut	Raut	Raut	Raut	Raut	Raut
85	444	F190440262		REDDY SRUSHI BIBHISHAN	Reddy	Reddy	Reddy	Reddy	Reddy	Reddy
86	345	F190440265		SABALE VEDANG DALASHEED	Sabale	Sabale	Sabale	Sabale	Sabale	Sabale
87	346	F190440267		SADWAD VISHVAJEET DATTU	Sadwad	Sadwad	Sadwad	Sadwad	Sadwad	Sadwad
88	439	F190440268		SAKORE PRATIK VILAS	Sakore	Sakore	Sakore	Sakore	Sakore	Sakore
89	313	F190440273		SANKET VILAS DESHMUKH	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
90	445	F190440279		SAUDAGAR SKOLIN AILABAKSH						
*91	347	F190440281		SAYYED MOHAMMAD HANIF ILANI	Sayyed	Sayyed	Sayyed	Sayyed	Sayyed	Sayyed
92	348	F190440292		SHENDGE AMIT BAHAN	Shendge	Shendge	Shendge	Shendge	Shendge	Shendge
93	349	F190440294		SHINDE DIKSHA NILESH	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
94	417	F190440301		SHINGDE GAYATRI BALAJI	Shingde	Shingde	Shingde	Shingde	Shingde	Shingde
95	447	F190440303		SHIVEKAR SWAPNIL NANDU	Shivekar	Shivekar	Shivekar	Shivekar	Shivekar	Shivekar
96	322	F190440304		SHRAVANI AJAYSING GAYDIAR	Shravani	Shravani	Shravani	Shravani	Shravani	Shravani
97	313	F190440306		SHRUTIKA ARUN CHAUDHARI	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika	Shrutika
*98	350	F190440308		SINGH ANKIT HARELAL	Singh	Singh	Singh	Singh	Singh	Singh
99	448	F190440311		SINGH YASHPAL SUMANTKUMAR	Singh	Singh	Singh	Singh	Singh	Singh
100	449	F190440314		SONAWANE SHREYA RAKHAMAJI	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane	Sonawane
*101	450	F190440321		SYED REHAN ALI SAJID ALI	Syed	Syed	Syed	Syed	Syed	Syed
102	352	F190440322		TADAKALE KARBASAPPA DATTATRAY	Tadkale	Tadkale	Tadkale	Tadkale	Tadkale	Tadkale
103	451	F190440323		TAKALKAR RUSHIKESH SUNIL	Takalkar	Takalkar	Takalkar	Takalkar	Takalkar	Takalkar



Sr. No.	Roll No.	Seat No.	Name of Students	M-II	CHEM	BEE	EM	EG	PBL
104	354	F190440326	TAMBOLKAR SHRUTI BALVANT	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>
105	326	F190440329	TARLEKAR HARSHI GAJANAN	<del>Harsh</del>	<del>Harsh</del>	<del>Harsh</del>	<del>Harsh</del>	<del>Harsh</del>	<del>Harsh</del>
106	355	F190440335	THORAT SHREYASH RAJESH	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>	<del>Shruti</del>
107	356	F190440337	TIKANDI LALIT RAMDAS	<del>Lalit</del>	<del>Lalit</del>	<del>Lalit</del>	<del>Lalit</del>	<del>Lalit</del>	<del>Lalit</del>
108	453	F190440347	VIDHATE YASH RAMDAS	<del>Yash</del>	<del>Yash</del>	<del>Yash</del>	<del>Yash</del>	<del>Yash</del>	<del>Yash</del>
109	455	F190440351	VYAVAHARE PRAVIN GOVARDHAN	<del>Pravin</del>	<del>Pravin</del>	<del>Pravin</del>	<del>Pravin</del>	<del>Pravin</del>	<del>Pravin</del>
110	357	F190440359	YADAV PRASHANT BRIJESH	P. Yadav	P. Yadav	P. Yadav	P. Yadav	P. Yadav	P. Yadav
111	454	F190440360	YADAV SURAJ RAMPRAKASH	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
112	408	F190440368	ZANIAD DIKSHA SATISH	Diksha	Diksha	Diksha	Diksha	Diksha	Diksha
113		F190440266	SADAVARTE BHUSHAN VISHNU	<del>Bhushan</del>	<del>Bhushan</del>	<del>Bhushan</del>	<del>Bhushan</del>	<del>Bhushan</del>	<del>Bhushan</del>
SUBJECT TEACHER NAME & SIGN									

f



DR. U. V. SHINDE  
HOD

Shinde U. V.

First Year Co-ordinator  
Siddhant College of Engineering,  
Surumbare, Tal. Maval, Pune - 412 107

**SIDDHANT COLLEGE OF ENGINEERING,  
SUDUMBARE, PUNE.**



**PROJECT BASED LEARNING WORKBOOK**

**FIRST YEAR ENGINEERING DEPARTMENT**

Name Of Student: Siddhi Shankar Jaigude

Div. D Roll. No. 424 Exam. Seat No. F190440143

# CERTIFICATE

Certified that, Mr/Miss..... Siddhi Shankar Jaigude.....

Roll. No:..... 424..... Examination No.:... F190440143..of Division..... D.....

Batch..... D2.... has carried out activities required for Project Based learning under my guidance.

His/her performance is satisfactory.

Date: 20/7/23

  
Sign. Of Guide

  
Head of Department

Shinde U. V.  
First Year Co-ordinator  
Siddhant College of Engineering,  
10/16, Taji Mat. JI, Pune - 412 105.



# INDEX

Sr.No.	Title Of activity	Page No.	Date	Remark
1]	Introduction.	1	12/05/23	} <u>Pati</u>
2]	Apparatus	4	26/05/23	
3]	Producers	5	9/06/23	
4]	Working	8	23/06/23	
5]	Conclusion.	9	07/07/23	

Date: 20/7/23

Pati 20/7/23  
Sign. Of Guide



# PROJECT ABSTRACT

Project Title: Electric Car.

Project Domain: Engineering Mechanics.

**Abstract:** An electric car is a plug-in electric automobile that is propelled by one or more electric motors using the energy stored in rechargeable batteries the electric car can be charged at a variety of charging centres installed in public places & houses. In the article, we have provided detailed steps to help you build your own electric car.

**Siddhant College Of Engineering, Sudumbare, Pune.**  
**Department of First Year Engineering**  
**Project Based Learning**  
*Project Review*

Sr. No.	Parameters/ Check list	Yes/No (✓)	Remark if any
1	Requirement Specifications/ Information Gathering	✓	
2	Problem Formulation	✓	
3	Methodology ( Details of Materials, Procedures, Technology, etc., used)	✓	
4	Design and Development of Model if any	✓	} <u>good</u>
5	Recording of Observations/ Experimental Analysis	✓	
6	Demonstration of Project Model/ Hypothesis	✓	
7	Concluding Remarks	✓	
8	Future Scope	✓	

9	Any other parameter relevant to project ( Please specify)	—	
---	---	---	--

**Remark:**

  
**Guide's Signature**

*Note: Guide can modify this list as per his perception about the project. This is only suggestive list for time to time project review.*

## PROJECT BASED LEARNING (PBL)

Teaching Scheme (Hours/ Week)				Examination Scheme and Marks						Credits			
TH	PR	TUT	Total	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
---	04	---	---	---	---	25	50	---	75	---	02	---	02

### Rationale:

*“I Hear and I Forget, I See and I Remember, I Do and I Understand”*

Engineering is more about doing and it has technical, social and economic aspects. Thus for holistic development of students in addition to cognitive (*applying brain*) domain of students, development of Psychomotor (*observing, doing, smelling, touching, etc.*) and affective (*emotion*) domains are equally important. In short, development of Head, Hand and Heart of budding engineer would create exotic results. This is the motivation behind introducing the PBL.

PBL is a student-centric pedagogy which offers active exploration of a real world challenges and problems. As student himself is putting his efforts it triggers the process of thinking towards the formulation of problem and finding the best possible solution in terms of technical , ecological, economical feasibility. This can be most rewarded style of learning.

PBL workbook: PBL workbook will reflect accountability, punctuality, technical writing ability and work flow of the project. Continuous Assessment Sheet (CAS) is to be maintained by mentors.

Group of students may demonstrate knowledge and skills by developing a product and/or report and/or presentation. The components of assessment will be

1. Individual Assessment: On the basis of individual capacity, role and involvement in the project.
2. Group Assessment: Distribution of work, Team spirit, Intra-team communication and intimacy.
3. Documentation and Presentation: Report of minimum 10 pages and PPTs.
4. Parameters of Evaluation/Assessment: Project Report (PR Out of 50 Marks)

Sr. No.	Parameter	Weightage (%)	Marks	Remark
1	<b>Idea Inception of Project</b>	05	2.50	
2	<b>Outcome of PBL ( Individual and Team Assessment)</b> Problem solving skills/ solution provided/ Final Product	50	25.00	—
3	<b>Documentation</b> Requirement gathering, formulation of problem, design & modeling, execution, use of	25	12.50	—



	technology, final report and other relevant documents if any.			
4	<b>Demonstration</b> Presentation, User Interface, Usability, etc.	10	05.00	} good
5	<b>Publication/ Contest Participation</b> Paper, Patent, Conference, etc.	05	02.50	
6	<b>Awareness</b> Social, Ethical, Ecological, Legal, Safety Measures	05	02.50	
	<b>TOTAL</b>	<b>100</b>	<b>50.00</b>	

#### 5. Workbook Continuous Assessment Sheet (CAS): TW Out of 25 Marks

Sr. No.	Parameter	Weight age (%)	Marks	Remark
1	Attendance/ Punctuality	20	05	
2	PBL Workbook	20	05	
3	Quantum of Participation as team member	20	05	
4	Initiative	20	05	
5	Attitude	20	05	
	<b>Total</b>	<b>100</b>	<b>25</b>	

### Activity Details

Activity Assigned in Brief	Started on	Completed on
Introduction.	12/05/23 9:00 AM.	10:45 AM.

Details (to be written by individual student))

- 1] A battery electric vehicle is Pure electric vehicle is a type of electric vehicle that exclusively uses chemical energy stored in rechargeable battery packs with no secondary source of propulsion.
- 2] BEVS Use Electric motors and controllers instead of internal combustion engines.
- 3] It is a Fuel saving vehicle.
- 4] It Uses less electricity For charging.

  
Remark & Signature of Guide with date

**Savitribai Phule Pune University, Pune**  
**S.E. (Electronics / E&TC Engineering) 2019 Course**  
 (With effect from Academic Year 2020-21)

**Semester-IV**

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
204191	Signals & Systems	03	-	01	30	70	25	-	-	125	03	-	01	04
204192	Control Systems	03	-		30	70		-	-	100	03	-	-	03
204193	Principles of Communication Systems	03	-	-	30	70	-	-	-	100	03	-	-	03
204194	Object Oriented Programming	03	-	-	30	70	-	-	-	100	03	-	-	03
204195	Signals & Control System Lab		02				50			50		01		01
204196	Principle of Communication Systems Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
204197	Object Oriented Programming Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
204198	Data Analytics Lab		02				-		25	25		01		01
204199	Employability Skill Development	02	02	-	-	-	50	-	-	50	02	01	-	03
204200	Project Based Learning <sup>n</sup>	-	04				50		-	50		02		02
204201	Mandatory Audit Course 4 <sup>&amp;</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>14</b>	<b>14</b>	<b>01</b>	<b>120</b>	<b>280</b>	<b>175</b>	<b>50</b>	<b>75</b>	<b>700</b>	<b>14</b>	<b>07</b>	<b>01</b>	<b>22</b>

**Abbreviations:**

In-Sem: In semester

End-sem: End semester

TH : Theory

TW : Term Work

PR : Practical

OR : Oral

TUT : Tutorial

**Note: Interested students of S.E. (Electronics/E&TC) can opt any one of the audit course from the list of audit courses prescribed by BoS (Electronics & Telecommunications Engineering)**





C. A. Y. M. E. Trust's  
Siddhant College of Engineering.  
Department of Electronics and Telecommunication Engineering.  
(Approved by AICTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune. PIN - 412 109. ☎ 02114-661904

SEM- II (2022-23)

Class: - SE (E & TC)

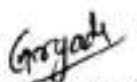
Date: 15<sup>th</sup> Feb 2023

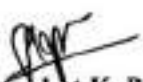
### Notice (PBL Group Formation)

All the Students of SE E & TC (2022-23) are hereby informed to form their project Based learning (PBL) groups for Second year. The last date of Project group submission is 22<sup>th</sup> Feb 2023, Wednesday.

Note:

1. Project groups should be of 3 to 4 members only.
2. Once Project group is submitted no changes will be entertained.
3. While filling Google form write your full name in given sequence only, with correct mail ids and mobile numbers which will be used for further communication throughout the year.
4. To avoid further consequences try to form the project groups with the students with proper understanding and discussion. No disputes or other queries except project work will be entertained by Project Guide, Project Coordinator or HOD.
5. After project group formation search for project topics which will be selected by panel members after presentation of selected topics

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The ESTC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

CAYMET'S			
Siddhant College of Engineering, Sudumbare			
Department of Electronics and Telecommunication Engg			
CLASS: SE(E & TC) 2019 PAT		SEM: II	Date: 8/07/2023
Subject: Project Based Learning		Subject Teacher: Prof. Geetanjali Argade	
Sr. No.	Name of the Candidates	Project Title	Sign
1	Burange Snehalata Lakshma	Design and Fabrication of Dual side shaper Machine	Burange
	Shivani Manaji Yadav		Shivani
	Kajal Salunkhe		Kajal
	Manish pravin salunke		Manish
2	Dipali C Parab	Solar Tracking System	Dipali
	Samiksha Dhuri		Samiksha
	Ketaki Sodage		Ketaki
3	Pratiksha Bandu Goukonde	Multipurpose Glass Cleaning Robot Using Machine Learning	Pratiksha
	Shrutika Ramesh Pawar		Shrutika
	Anjali Shinde		Anjali
4	Supriya Karande	Smart onion storage	Supriya
	Bhushan ratnakant rokade		Bhushan
	Karan Kishor Jadhav		Karan
5	Sakshi Mahantesh Babanaga	Automated hydroponic plant growth system using lot	Sakshi
	Ajay Shivaji Dalvi		Ajay
	Rutuja Suresh yadav		Rutuja
6	Atharva Sanjay Sawant	Women's Safety Device With GPS Tracking & Alert	Atharva
	Rahul Lokhande		Rahul
	Vaishnav Barne		Vaishnav
	Rushikesh Ekade		Rushikesh
7	Prajwal Kakade	MEMS Gas Sensor	Prajwal
	Akash Jaiswara		Akash
	Nikhil kulkarni		Nikhil
8	Rahul Dasharath Mugale	RFID attendance system.	Rahul
	Atharva Jayant Gawade		Atharva
9	Sakshi Dinkar Kadlag	IOT Based Garbage Monitoring system	Sakshi
	Reshma Gaikwad		Reshma
	Shrikrushna		Shrikrushna
	Rohit dagdu mane		Rohit
10	Phalguni Bandichhode	Piezoelectric energy harvesting vai shoe sole	Phalguni
	Shreyash Rajendra Mohite		Shreyash
	Saurabh Suhas Fursule		Saurabh
11	Yash Lalgude	Home automation	Yash
	Mayur Jagadale		Mayur
12	Rushabh chandrakant dhumi	Automatic hand sanitizing machine using Arduino uno board	Rushabh
	Poonam Vitthal Sutar		Poonam
	Namrata ekbote		Namrata

	Nirali Manoj Vadaliya		Nirali
13	Diwate swati balasaheb Lamkhade Pallavi Annasahe	Automated soil testing system for agriculture with IOT	Swati Pallavi
14	Rahul Amogasiddha Tingare Amol Hingmire Mantesh Mahesh Mundinker	"DC power supply"	Rahul Amol Mantesh
15	Dighe Yogeshwari Atmaram Akshay Dhondkar Akshay Mandlik	Multi Functional Blind Stick for impaired people	Dighe Akshay Mandlik
16	Dhanashree pawaskar Pallavi Pralhad Zirmire Simran Desai	Garbage monitoring system	Dhanashree Pallavi Simran

*Argade*  
**Prof. Geetanjali Argade**  
 Guided By/ Subject Teacher

*Prabhat*  
**Dr. Prabhat Pallav**  
 Head of the E & TC Dept.  
 Siddhant College of Engineering  
 Sudumbare, Mavai, Pune- 412109



C. A. Y. M. E. Trust's

Siddhant College of Engineering.

Department of Electronics and Telecommunication Engineering.

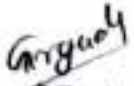
(Approved by ARTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)


At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904

Date: 24<sup>th</sup> Feb 2023

## Project Based Learning Title Finalization Notice

All the Students of SE E & TC engineering are hereby informed that Project title finalization is scheduled on **08/03/2023 (Wednesday)**. In Project Title Finalization, Project Group should explain all the three Project ideas in front of all faculty members. One of the Project Title will be finalized if found proper or changes will be suggested if required. Details of the entire Project based learning ideas should be brought on plain paper. (No PPT presentation is required).

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



C. A. V. M. E. Trust's  
Siddhant College of Engineering.  
Department of Electronics and Telecommunication Engineering.  
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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904.

SEM- II (2022-23)

Class:- SE (E & TC)

Date : 13<sup>th</sup> Mar 2023

## NOTICE

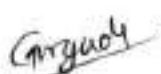
All students of SE are hereby informed that Project Based Learning (PBL) Review I (presentation) for Semester II is scheduled on 15/03/2023 (Wednesday).


PBL presentation should include following points.

1. Introduction
2. Literature Survey
3. Problem Statement

Attendance is mandatory for all group members.  
Also maintain logbook week wise.

Note: Submit the abstract of project on or before 10/03/2023.

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
of The E&TC Dept.,  
Siddhant College of Engineering,  
Sudumbare, Maval, Pune-412109.



C. A. Y. M. E. Trust's  
Siddhant College of Engineering.

**Department of Electronics and Telecommunication Engineering.**

(Approved by AKTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904.

SEM- II (2022-23)

Class:- SE (E & TC)

Date : 6<sup>th</sup> April 2023

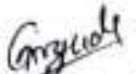
## NOTICE


All students of SE are hereby informed that Project Based Learning (PBL) Review II (presentation) for Semester II is scheduled on 11/04/2023 (Tuesday).

PBL presentation should include following points.

1. Introduction
2. Literature Survey
3. Problem Statement
4. Aim and Objectives
5. System Block Diagram

Attendance is mandatory for all group members.  
Also maintain logbook week wise.

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



C. A. Y. M. E. Trust's  
Siddhant College of Engineering.  
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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☐ 02114-661904.

SEM- II (2022-23)

Class:- SE (E & TC)

Date : 3<sup>rd</sup> May 2023

## NOTICE

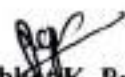
All students of SE are hereby informed that Project Based Learning (PBL) Review III (presentation) for Semester II is scheduled on 12/05/2023 (Friday).

PBL presentation should include following points.

1. Introduction
2. Literature Survey
3. Problem Statement
4. Aim and Objectives
5. System Block Diagram
6. System Implementation Details
7. Discussion and Analysis of Results
8. Conclusion
9. System Limitations

Attendance is mandatory for all group members.  
Also maintain logbook week wise.

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



C. A. Y. M. E. Trust's  
Siddhant College of Engineering.  
Department of Electronics and Telecommunication Engineering.  
(Approved by AICTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904.

SEM- II (2022-23)

Class:- SE (E & TC)

Date : 19<sup>th</sup> May 2023


## Project Based Learning contents

**Project Groups should prepare the project based learning report and has to submit soft copy as well as hard copy (Spiral Binding)**

All the project groups are instructed to complete PBL report in the given tasks :

1. Introduction
2. Literature Survey
3. Problem Statement
4. Aim and Objectives
5. System Block Diagram
6. System Implementation Details
7. Discussion and Analysis of Results
8. Conclusion
9. System Limitations
10. Future Scope
11. References

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109





C. A. Y. M. E. Trust's  
Siddhant College of Engineering.  
Department of Electronics and Telecommunication Engineering.  
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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☐ 02114-661904.

SEM- II (2022-23)

Class:- SE (E & TC)

Date : 22<sup>th</sup> May 2023


## NOTICE


All the Students members of SE E&TC Engineering are hereby informed that, Project Based Learning SPPU Term work exam Submission is scheduled on 25<sup>th</sup> May 2023, Thursday. Project based learning evaluation will be for 50 marks. All the Project (PBL) Groups are supposed to contact the Dept. PBL Coordinator and discuss the status of the project before 24<sup>th</sup> May 2023. Project Groups Should Prepare the (PBL) report considering following points. (PPT also)

1. Introduction
2. Literature Survey
3. Problem Statement
4. Aim and Objectives
5. System Block Diagram
6. System Implementation Details
7. Discussion and Analysis of Results
8. Conclusion
9. System Limitations
10. Future Scope
11. References

### Note:-

1. Prepare PPT presentation of at least 15-20 slides
2. While presentation each group member has to give the presentation (So divide the presentation among your respective group members )
3. Prepare project report of 25-30 Pages
4. Submit 2 Copies of report with Spiral Binding duly signed by Dept. PBL Coordinator and HOD (Refer SPPU syllabus)

  
Prof. Geetanjali Argade  
Dept. PBL coordinator  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109.



## CERTIFICATE

*This is to certify the project based learning report entitled*

**“Wireless Power Transmission”**

Is a benefited work carried out by

**Dnyaneshwar Thombre (S190443018)**

**Ritesh Agre (S190443001)**

**Pradip Dangale (S190443046)**

This work is being submitted for the award of Engineering of  
**ELECTRONIC & TELECOMMUNICATION** is submitted in partial  
fulfillment of the Prescribed syllabus of SPPU, Pune  
During the academic Year 2022-23

**Prof. Geetanjali Argade**  
( Subject Teacher )

**Dr. Prabhat Pallav.**  
( HOD E&TC )

Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Dr. Kamble L. V.**  
( Principal )





## CERTIFICATE

*This is to certify the project based learning report entitled*  
**“Smart Onion Storage”**

Is a benefited work carried out by

**Bhushan Ratnkant Rokade (S190443049)**

**Karan Kishor Jadhav (S190443027)**

**Karande Supriya Sanjay (S190443033)**

This work is being submitted for the award of Engineering of  
**ELECTRONIC & TELECOMMUNICATION** is submitted in partial  
fulfillment of the Prescribed syllabus of SPPU, Pune

During the academic Year 2022-23

*Argade.*

**Prof. Geetanjali Argade**  
( Subject Teacher )

*Pallav*

**Dr. Prabhat Pallav.**  
( HOD E&TC )

*L. V. Kamble*

**Dr. Kamble L. V.**  
( Principal )



Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune - 412109

**Savitribai Phule Pune University, Pune**  
**T.E. (Electronics & Telecommunication Engineering) 2019 Course**  
**(With effect from Academic Year 2021-22)**

**Semester-VI**

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
304192	Cellular Networks	03	-	-	30	70	-	-	-	100	03	-	-	03
304193	Project Management	03	-	-	30	70	-	-	-	100	03	-	-	03
304194	Power Devices & Circuits	03	-	-	30	70	-	-	-	100	03	-	-	03
304195	Elective-II	03	-	-	30	70	-	-	-	100	03	-	-	03
304196	Cellular Networks Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
304197	Power Devices & Circuits Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
304198	Elective-II Lab	-	02	-	-	-	-	25	-	25	-	01	-	01
304199	Internship**	-	-	-	-	-	100	-	-	100	-	-	04	04
304200	Mini Project	-	04	-	-	-	25	-	50	75	-	02	-	02
304191 B	Mandatory Audit Course 6 &	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>12</b>	<b>10</b>	<b>00</b>	<b>120</b>	<b>280</b>	<b>125</b>	<b>75</b>	<b>100</b>	<b>700</b>				
<b>Total Credit</b>											<b>12</b>	<b>05</b>	<b>04</b>	<b>21</b>

**Abbreviations:**

In-Sem: In semester

End-Sem: End semester

TH: Theory

TW : Term Work

PR: Practical

OR: Oral

TUT: Tutorial

**Note: Students of T.E. (Electronics & Telecommunications) have to opt any one of the audit course from the list of audit courses prescribed by BoS (Electronics & Telecommunications Engineering)**

**Elective -II**

- 1) Digital Image Processing
- 2) Sensors in Automation
- 3) Advanced JAVA Programming
- 4) Embedded Processors
- 5) Network Security



C. A. Y. M. E. Trust's  
Siddhant College of Engineering.  
Department of Electronics and Telecommunication Engineering.  
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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904.

SEM- II (2022-23)

Class: - TE (E & TC)


Date: 17<sup>th</sup> Feb 2023

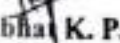
### Notice (Mini Project Group Formation)

All the Students of TE E & TC (2022-23) are hereby informed to form their Mini Project groups for third year projects. The last date of Project group submission is **21<sup>st</sup> Feb 2023**.

Follow the guidelines given below while forming the project groups:

1. Project groups should be of **3 to 4 members only** (less members are not allowed).
2. Once Project group is submitted no changes will be entertained.
3. To avoid further consequences try to form the project groups with the students with proper understanding and discussion. No disputes or other queries except project work will be entertained by Project Guide, Project Coordinator or HOD.
4. After project group formation search for project topics which will be selected by panel members after presentation of selected topics
5. Project Guides will be allotted by Project Coordinator and HOD on 22<sup>nd</sup> Feb 2023.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabha K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



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Date: 17<sup>th</sup> Feb 2023

### List of Project Guides with Choices

Sr. No	Name of Project Guide	Specialization
1.	Dr. Prabhat Pallav	Embedded system
2.	Dr. A. V. Bade	Embedded system
3.	Prof. M. U. Inamdar	IOT, WSN, PLC, MC, ES.
4.	Prof G. A. Argade	Image processing, ES, communication, AI
5.	Prof S. B. Deshmukh	IOT, AI, WSN, communication
6.	Prof S. V. Shelke	Electrical power system
7.	Prof K. A. Kadam	WSN, communication

  
17/2/23  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
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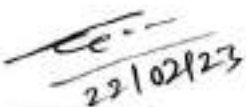
Date: 22<sup>nd</sup> Feb 2023

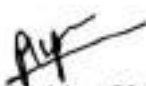
## Project Title Finalization Notice

All the Students of TE E & TC engineering are hereby informed that Mini Project title finalization is scheduled on 16<sup>th</sup> Mar 2023 from 09.30am to 04.00 pm at A20 classroom.

In Mini Project Title Finalization, Project Group should explain all the three Project ideas in front of the Panel members. One of the Project Title will be finalized if found proper or changes will be suggested if required.

Details of all the Project ideas should be brought on plain paper. (No PPT presentation is required).

  
22/02/23  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
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SEM- II (2022-23)

Class:- TE ( E & TC)

Date : 17<sup>th</sup> Mar 2023

## Notice

All the students of TE E & TC Engineering are hereby informed that, Mini Project Review-I is scheduled on 19<sup>th</sup> Mar 2023, at 10.00 am. All the Mini Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review

This review has weightage of 50% of Term work marks.

Project Groups should prepare the Presentation accordingly.

All the Group members should be present at the time of Project Review.

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The ESTC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109





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SEM- II (2022-23)

Class:- TE ( E & TC)

Date : 13<sup>th</sup> Apr 2023

## Notice


All the students of TE E & TC Engineering are hereby informed that, Mini Project Review-II is scheduled on **16<sup>th</sup> Apr 2023, at 10.00 am**. All the Mini Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:


1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout

This review has weightage of 50% of Term work marks.

Project Groups should prepare the Presentation accordingly.

All the Group members should be present at the time of Project Review.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The **ES&T** Dept.  
Siddhant College of Engineering  
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SEM- II (2022-23)

Class:- TE ( E & TC)

Date : 8<sup>th</sup> May 2023


## Notice


All the students of TE E&TC Engineering are hereby informed that, Mini Project Review-III is scheduled on 12<sup>th</sup> May 2023 at 10.00 am. All the Mini Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout
9. Purchase of Material (Add actual photos)
10. Fabrication Status (Add actual photos)
11. Assembly (Add actual photos)
12. Experimentation
13. Analysis (add analysis part if any)
14. Results
15. Conclusions and References

Presentation will be in front of Project Evaluation Panel. All the Group members should be present at the time of Project Review.

Note:- Project Should be completed at the end of this month. Prepare project report in consultation with your project Guides.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E&TE Engineering Dept.  
Siddhant College of Engineering  
Sudumbare, Marol, Pune- 412109



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SEM- II (2022-23)

Class:- TE ( E & TC)


Date : 19<sup>th</sup> May 2023

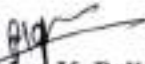
## Mini Project Contents

1. Group formation
2. Topic finalization
3. Literature Review
4. Methodology
5. Components selection
6. Design Calculations
7. Experimental Layout
8. Purchase of Components
9. Fabrication (PCB Design)
10. Assembly
11. Experimentation and
12. Analysis
13. Conclusion and References

**Note:- Project Groups should Prepare the project report and has to submit soft copy as well as hard copy ( Spiral Binding )**

All the project groups are instructed to complete the given tasks in Mini Project.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
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SEM- II (2022-23)

Class:- TE ( E & TC)

Date : 21<sup>st</sup> May 2023


## Notice


All the Students members of TE E&TC Engineering are hereby informed that, Mini Project SPPU Oral exam is scheduled on 23<sup>rd</sup> May 2023. Mini Project evaluation will be for 50 marks (25 marks term work & 25 marks Oral). All the Mini Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Mini Project Groups Should Prepare the report considering following points. (PPT also)

1. Introduction
2. Problem statement
3. Objectives
4. Methodology
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout

### Note:-

1. Prepare PPT presentation of at least 15-20 slides
2. While presentation each group member has to give the presentation (So divide the presentation among your respective group members )
3. Prepare project report of 25-30 Pages
4. Submit 2 Copies of report with Spiral Binding duly signed by Project Guide, Project Coordinator, HOD and Principal. (Refer SPPU syllabus)
5. Carry Logbook and Literature referred during oral exam.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head of the E&TC Dept.  
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SEM- II (2022-23)


Class: - TE (E & TC)

Date: 18<sup>th</sup> Jan 2023

## INTERNSHIP NOTICE

All the Students of TE E & TC (2022-23) are hereby informed that after the completion 5<sup>th</sup> semester have to undergo a mandatory 4-6 week internship during the period from 21<sup>st</sup> Jan 2023 to 15<sup>th</sup> Feb 2023.

  
Prof. Geetanjali Argade  
Internship coordinator (Dept. TPC)  
(8605431518)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbaro, Maval, Pune- 412109

**Savitribai Phule Pune University**

**Third Year of E & Tc Engineering (2019 Course)**

**304199: Internship**

<b>Teaching Scheme:</b>	<b>Credit</b>	<b>Examination Scheme:</b>
**	<b>04</b>	<b>Term Work: 100 Marks</b>

**Course Objective:**

- Will expose technical students to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals for the industry.
- Provide possible opportunities to learn, understand and sharpen the real time technical / managerial skills required at the job.
- Exposure to the current technological developments relevant to the subject area of training.
- Experience gained from the ‘**Internship**’ will be used in classroom discussions.
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real industrial situations.
- Gain experience in writing Technical reports/projects.
- Expose students to the engineer’s responsibilities and ethics.
- Familiarize with various materials, processes, products and their applications along with relevant aspects of quality control.
- Promote academic, professional and/or personal development.
- Expose the students to future employers.
- Understand the social, economic and administrative considerations that influence the working environment of industrial organizations.
- Understand the psychology of the workers and their habits, attitudes and approach to problem solving.

**Course Outcomes:** On completion of the internship, learner will be able to –

**CO1:** To develop professional competence through internship.

**CO2:** To apply academic knowledge in a personal and professional environment.

**CO3:** To build the professional network and expose students to future employees.

**CO4:** Apply professional and societal ethics in their day to day life.

**CO5:** To become a responsible professional having social, economic and administrative considerations.

**CO6:** To make own career goals and personal aspirations.

Internships are educational and career development opportunities, providing practical experience in a field or discipline. Internships are far more important as the employers are looking for employees who are properly skilled and having awareness about industry environment,



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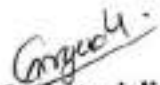
SEM- II (2022-23)


Class: - TE (E & TC)

Date: 18<sup>th</sup> Jan 2023

## INTERNSHIP NOTICE

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SEM- II (2022-23)

Class:- TE (E & TC)

Date : 22<sup>th</sup> Feb 2023

## NOTICE


All students of TE are hereby informed that Internship Report and week wise Review for Semester II is scheduled on following dates

Date	Review No.	Time	Location
13/03/2023	I	10 AM- 4 PM	A20 Classroom
11/04/2023	II	10 AM- 4 PM	A20 Classroom
12/05/2023	III	10 AM- 4 PM	A20 Classroom

The report shall be presented covering following recommended fields but limited to:

- Title/Cover Page
- Internship completion certificate.
- Internship Place Details-Company background-organization and activities/Scope and object of the study / personal observation.
- Index/Table of Contents
- Introduction
- Title/Problem statement/objectives
- Motivation/Scope and rationale of the study
- Methodological details
- Results / Analysis /inferences and conclusion
- Suggestions / Recommendations for improvement to industry, if any
- Attendance Record
- List of reference (Library books, magazines and other sources)

  
Prof. Geetanjali Argade  
Internship coordinator (Dept. TPC)  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head of the E&TC Dept.  
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Sudumbare, Maval, Pune- 412109



## CAYMET'S

## SIDDHANT COLLEGE OF ENGINEERING, SUDUMBARE

Sudumbare, Maval, Pune:412109

Class: TE( E &amp; TC) Internship

Subject Teacher: Prof: Argade Geetanjali Arjun

Internship Data 2022-2023

Date: 25/5/2023

Sl. No.	Name of the Candidates	Company Name	Starting Date	End date	No. of weeks
1	AKARTE PRATIKSHA SANJAY	GKN fokker Elmo Pvt Ltd	1/21/2023	2/24/2023	4
2	AMBEKAR MANDIRA VITTHAL	GE Aviation	1/21/2023	3/4/2023	6
3	APARNA ADHIK JAGTAP	K.K. power solutions pvt ltd	1/23/2023	2/25/2023	5
4	ARCHANA MUKUND KHOLAMKAR	Cognifront	1/21/2023	2/21/2023	4
5	AWAGHADE GAURI RAJESH	K.K. power solutions pvt ltd	1/23/2023	2/25/2023	5
6	BARHATE PRATIKSHA ARVIND	System Automation systems	1/21/2023	2/18/2023	4
7	BATWAL PRASAD LAXMAN	Kalp tech solutions pvt ltd	1/21/2023	2/18/2023	4
8	BHAGWAT SAKSHI GANESH	Shiv electronics Pvt Ltd	1/20/2023	2/16/2023	6
9	BHASE AKANKSHA DHYANESHWAR	Infivoices pvt Ltd	1/21/2023	2/20/2023	4
10	BIHOSALE AKANKSHA BHASKAR				
11	BIHOSALE DIPESHWARI DADARAJE	R.S Process Systems Pvt Ltd	2/2/2023	2/26/2023	4
12	DANGE ABHISHEK DILIP	Infivoices pvt Ltd	1/21/2023	2/20/2023	4
13	GAIWAD RAJESHWARI VIJAY	Shiv electronics Pvt Ltd	1/20/2023	2/16/2023	6
14	GHOOGARE KANCHAN ARUN	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
15	GOMANE ASHISH ATMARAM	GE Aviation	1/21/2023	3/4/2023	6
16	HANDORE VAISHNAVI VILAS	Philips Global Business Servi	1/21/2023	2/20/2023	4
17	JADHAV ASHWINI RAMCHANDRA				
18	JADHAV YESHWANT KRISHNA	Infivoices pvt Ltd	1/21/2023	2/20/2023	4
19	JAMBLE AMOL NANDKUMAR	Volgend Technologies Pvt. Lt	1/21/2023	2/18/2023	4
20	KACHARE YASH KUMAR	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
21	KADAM KEDAR SAHEBRAO	infivoices pvt Ltd	1/21/2023	2/20/2023	4
22	KARLE ARCHANA SHESHRAO	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
23	KHADAGE ADITYA MANOHAR	GE Aviation	1/21/2023	3/4/2023	6
24	LOKJIANDE SAMARTH SANJAY	Volgend Technologies Pvt. Lt	1/21/2023	2/18/2023	4
25	MAHESH SUDHAKAR EKHANDE	Volgend Technologies Pvt. Lt	1/21/2023	2/18/2023	4
26	MANE PRITEE HIMMATRAO	GE Aviation	1/21/2023	3/4/2023	6
27	MESHARAM HRITIK				
28	MOHITE PRATIKSHA LALASO	Volgend technologies Pvt. ltd	1/21/2023	2/18/2023	4
29	MONIKA SUNIL DHAWALE	HP Tronic Pvt.Ltd.	2/1/2023	3/15/2023	6
30	MULUK SARVESH MARUTI				
31	NAIK ABHIJEET ARVIND	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
32	NHAVI VISHRAM SHASHIKANT	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
33	NIKAM PRASHANT BHIMRAO	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
34	NITIN SATISH GURAV	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
35	ONKAR RAJKUMAR TAKALE	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
36	PALKAR SHRADDHA KISAN	Jayashree Electron Pvt. Ltd.	1/21/2023	2/20/2023	5
37	PANDE ROHINI ASHOK	GE Aviation	1/21/2023	3/4/2023	6
38	PATIL ANJALI ANANT	GE Aviation	1/21/2023	3/4/2023	6
39	PATIL PRATIKSHA SANJAY	Volgend technologies Pvt. ltd	1/21/2023	2/18/2023	4
40	PAWAR SAYALI SATISH	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
41	PENDEKAR VIKAS MARUTI	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5

42	PEJE RUTUJA SURESH	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
43	PRAVIN HARIDASRAO GULHANE	Volgend technologies Pvt.ltd	1/21/2023	2/18/2023	4
44	RAJANI RAMRAO MALI	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
45	SAWANT SALONI GANESH	K.K. power solution Pvt LTD	1/23/2023	2/25/2023	5
46	SHAIKH ZEBA AFSAR	GE Aviation	3/14/2023	4/19/2023	5
47	SHINDE ROHIT ANIL	Infovoices. pvt.ltd	1/21/2023	2/20/2023	4
48	SHUBHANGI VILAS SALUNKE	NS^2 INFOTECH PVT. LTD	1/21/2023	2/18/2023	4
49	THORAT PRATIKSHA RAJARAM	GE Aviation	1/21/2023	3/4/2023	6
50	TORASKAR MARUTI SHANKAR	Volgend technologies Pvt.ltd	1/21/2023	2/18/2023	4
51	UMAP RUTUJA RAMESHRAO	Infovoices. pvt.ltd	1/21/2023	2/20/2023	4
52	UMESH SUDAM NAGARE	Kalp tech solution pvt ltd	1/21/2023	2/18/2023	4
53	WAGHMARE AMAN ARUN				
54	WANI YASHASWI SANJAY	Infovoices. pvt.ltd	1/21/2023	2/20/2023	4
55	ZAGADE BHAVIKA SANTOSH	Jayashree Electron Pvt. Ltd.	1/21/2023	2/20/2023	5
56	BHOSALE KARAN MANAJI	Volgend technologies Pvt.ltd	1/21/2023	2/18/2023	4
57	ROHIT JADHWAR				

*Argade*

Prof. Geetanjali Argade  
T&P Coordinator

*M.U. Inamdar*

Prof. M.U. Inamdar  
Academic Coordinator

*P. Pallav*

Dr. Prabhat Pallav

Head of The E&T Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune - 412109

*L.V. Kamble*

Dr. L.V. Kamble

Principal

Siddhant College of Engineering  
Sudumbare, Pune - 412109



C. A. V. M. E. Trust's  
Siddhant College of Engineering,  
Department of Electronics and Telecommunication Engineering.  
(Approved by AICTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904.

SEM- II (2022-23)

Class: - TE (E & TC)

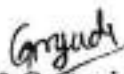
Date: 19<sup>th</sup> May 2023


## NOTICE

All the Students members of TE E&TC Engineering are hereby informed that, Internship SPPU Term work exam Submission is scheduled on 22<sup>nd</sup> May 2023, Thursday. Internship evaluation will be for 100 marks. All the students' members are supposed to contact the Internship Coordinator (Dept. TPC) and discuss the status of the internship report before 21<sup>st</sup> May 2023. All students should prepare the Internship report considering following points:

**Note:- All students should prepare the Internship report considering following points:**

1. Prepare internship report of 25-30 Pages
2. Submit 1 Copy of report with Spiral Binding duly signed by Internship coordinator (Dept. TPC) and HOD (Refer SPPU syllabus)
3. Carry logbook (week wise report) and Original internship certificate with you at the time of submission.

  
Prof. Geetanjali Argade  
Internship coordinator (Dept. TPC)  
(8605431518)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



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SEM- II (2022-23)

Class:- TE (E & TC)

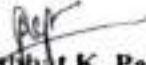
Date : 19<sup>th</sup> May 2023

## NOTICE

All the students of TE (E&TC) Class of 2022-23 are hereby informed that they have to submit soft copy and hardcopy of internship completion certificate to the concerned internship coordinator and one hard copy (Spiral binding) is to be fixed with the internship report. Internship successful completion certificated is to be on the letter head of the company with the seal where internship is going on. Certificate is duly to be signed by the industry guide.

Note: Format for Internship Report is uploaded online on your mail IDs.

  
Prof. Geetanjali Argade  
Internship coordinator (Dept. TPC)  
(8605431518)

  
Dr. Pradhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Savitribai Phule Pune University**

**Fourth Year of E & Tc Engineering (2019 Course)**

**404188: Project Phase – I**

<b>Teaching Scheme:</b>	<b>Credit</b>	<b>Examination Scheme:</b>
<b>Practical: 02 Hrs. / Week</b>	<b>01</b>	<b>Term Work: 50 Marks</b>

**Course Objectives:**

- To understand the basic concepts & broad principles of projects.
- To understand the value of achieving perfection in project implementation & completion.
- To apply the theoretical concepts to solve real life problems with teamwork and Multidisciplinary approach.
- To demonstrate professionalism with ethics; present effective communication skills and relate engineering issues to broader societal context.

**Course Outcomes:**

**CO1: Demonstrate** a sound technical knowledge in field of E&TC in the form of project.

**CO2: Undertake** real life problem identification, formulation and solution.

**CO3: Design** engineering solutions to complex problems utilizing a systematic approach.

**CO4: Demonstrate** the knowledge, effective communication skills and attitudes as professional engineer.

Project phase 1 is an integral part of the project work. The project work shall be based on the knowledge acquired by the student during the graduation and preferably it should meet and contribute towards the needs of the society. The project aims to provide an opportunity of designing and building complete system or subsystems in the field of Electronics and communication where the student likes to acquire specialized skills. The student shall prepare the duly certified Fourth report of project work in standard format for satisfactory completion of the work by the concerned guide and head of the Department/Institute.

**Guidelines:**

1. **Group Size:** The student shall carry the project work individually or by a group of students. Optimum group size shall be 3 students. However, if project complexity demands a maximum group size of 4 students, the project committee should be convinced about such complexity and scope of the work. Projects selected should meet and contribute towards the needs of the society.
2. **Selection and approval of topic:** Topic should be related to real life application in the field of Electronics and Telecommunication engineering.
3. **The topic may be based on :** Investigation of the latest development in a specific field of Electronics or Communication / The investigation of practical problem in manufacture and / or testing of electronics or communication equipment/ Software based projects related to VHDL, Communication, Instrumentation, Signal Processing agriculture Engineering etc. with the justification for techniques used / any topic in the field of E&TC may be allowed.
4. **Interdisciplinary projects** should be encouraged. The examination of Interdisciplinary projects shall be conducted independently in respective departments.
5. **The term work assessment of project phase 1** shall be based on Innovative Idea of selected project, literature survey, Depth of understanding, Applications, Individual contributions, presentation, project report, timely completion of work.
6. **The department** should prepare project planner and should follow accordingly
7. **A log book of work** carried out during the semester should be maintained with weekly review remarks by the guide and committee.
8. **A certified copy of report** preferably using LATEX is required to be presented to external examiner at the time of Fourth examination.
9. **The project report** must undergo by plagiarism check and the similarity index must be less than 15%. The plagiarism report should be included in the project report.

**Savitribai Phule Pune University**

**Fourth Year of E & Tc Engineering (2019 Course)**

**404197: Project Phase – II**

<b>Teaching Scheme:</b>	<b>Credit</b>	<b>Examination Scheme:</b>
<b>Practical: 10 Hrs. / Week</b>	<b>05</b>	<b>Term Work: 100 Marks</b>
		<b>Oral: 50 Marks</b>

Project phase 2 is extension of Project phase 1 carried out in seventh semester. The student shall prepare the duly certified Fourth report of project work in standard format preferably in LATEX for satisfactory completion of the work by the concerned guide and head of the Department/Institute.

**GUIDELINES**

1.	The project TW/OR assessment shall be based on Live Project Demonstration and presentation by the students. The assessment parameters shall be Innovative Idea of selected project, literature survey, Depth of understanding, Applications, Individual contributions, presentations, project report, timely completion of work (Project review presentations), participation in project competition, publication of research work in journal/conference, publication in the form of patent and copyright etc. The college can prepare the rubrics based on these parameters
2.	Certified hard bound project report to be submitted by the students in prescribed format.
3.	Students must preferably publish at least one technical paper on project work in the conference or peer reviewed Journals or publish patent or copyright or should participate into one of the project competition at university/State/National/International level.
4.	A log book of work carried out during the semester should be maintained with weekly review remarks by the guide and committee.
5.	A certified copy of report preferably using LATEX is required to be presented to external examiner at the time of Fourth examination.
6.	The project report must undergo by plagiarism check and the similarity index must be less than 10%. The plagiarism report should be included in the project report.

**Savitribai Phule Pune University**

**Fourth Year of E & Tc Engineering (2019 Course)**

**404197: Project Phase – II**

<b>Teaching Scheme:</b>	<b>Credit</b>	<b>Examination Scheme:</b>
<b>Practical: 10 Hrs. / Week</b>	<b>05</b>	<b>Term Work: 100 Marks</b>
		<b>Oral: 50 Marks</b>

Project phase 2 is extension of Project phase 1 carried out in seventh semester. The student shall prepare the duly certified Fourth report of project work in standard format preferably in LATEX for satisfactory completion of the work by the concerned guide and head of the Department/Institute.

**GUIDELINES**

1.	The project TW/OR assessment shall be based on Live Project Demonstration and presentation by the students. The assessment parameters shall be Innovative Idea of selected project, literature survey, Depth of understanding, Applications, Individual contributions, presentations, project report, timely completion of work (Project review presentations), participation in project competition, publication of research work in journal/conference, publication in the form of patent and copyright etc. The college can prepare the rubrics based on these parameters
2.	Certified hard bound project report to be submitted by the students in prescribed format.
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4.	A log book of work carried out during the semester should be maintained with weekly review remarks by the guide and committee.
5.	A certified copy of report preferably using LATEX is required to be presented to external examiner at the time of Fourth examination.
6.	The project report must undergo by plagiarism check and the similarity index must be less than 10%. The plagiarism report should be included in the project report.





C. A. Y. M. E. Trust's  
Siddhant College of Engineering,  
Department of Electronics and Telecommunication Engineering,  
(Approved by AICTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At Post - Sudumbare, Tal - Maval, Dist - Pune, PIN - 412 109. - 02114-661904

SEM-I (2022-23)

Class: - BE (E & TC)


Date: 27<sup>th</sup> July 2022


## Notice (Project Group Formation)

All the Students of BE E & TC (2022-23) are hereby informed to form their project groups for final year projects. The last date of Project group submission is **30 July 2022, Saturday**. Follow the guidelines given below while forming the project groups:

1. Project groups should be of 3 to 4 members only (less members are not allowed).
2. In case any student is year down in the group, vacancy will be filled by project coordinator
3. Once Project group is submitted no changes will be entertained.
4. While filling Google form write your full name in given sequence only, with correct mail ids and mobile numbers which will be used for further communication throughout the year.
5. To avoid further consequences try to form the project groups with the students with proper understanding and discussion. No disputes or other queries except project work will be entertained by Project Guide, Project Coordinator or HOD.
6. After project group formation search for project topics which will be selected by panel members after presentation of selected topics
7. Project Guides will be allotted by Project Coordinator and HOD on 2<sup>th</sup> August 2022

**Note:** - Project group submission link <https://forms.gle/SwTH9htTviGZP75B7>

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of the E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109





C. A. Y. M. E. Trust's  
Siddhant College of Engineering  
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At. Post - Sudumbare, Tal - Maval, Dist - Pune, PIN - 412 109. - 02114-661904

Date: 27<sup>th</sup> July 2022

### List of Project Guides with Choices

Sr. No	Name of Project Guide	Specialization
1.	Dr. Prabhat Pallav	Embedded System
2.	Prof M U Inamdar	Embedded System
3.	Prof A V Bade	IOT, WSN, PLC, MC, ES
4.	Prof G A Argade	Image processing, ES, Communication, AI
5.	Prof S B Deshmukh	IOT, AI, WSN, Communication
6.	Prof S V Shelke	Electrical power system
7.	Prof K A Kadam	WSN, Communication

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



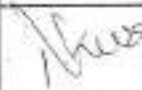

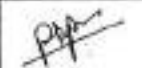
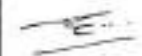

Siddhant College of Engineering, Sudumbare, Pune		
ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT		
Class: BE (E&TC)		
Project Group list 2022-23		
Group No	Students Name	Signature
1	AMIT RAMCHANDRA KOKARE	
	CHOWDHARY KAMLESH SHIVKARAN	
	DHENGALE PRANJAL KASHINATH	
2	KHALADKAR KULDIP SADASHIV	
	KUMAWAT HARSHAL VASANTRAO	
	KALE AMOL KASHINATH	
3	DANGE AMRUTA DILIP	
	SHEWALE ASHWINI ASHOK	
	KAMBLE VAIBHAVSHALI RAJENDRA	
4	MANDAVKAR MANGESH RAMESH	
	GADE DHANSING HARIDAS	
	DIMBLE SWAPNIL PRABHAKAR	
	DADASO BHAGAVANRAO JADHAV	
5	KHATRI KEDAR RAMESHKUMAR	
	PRAMOD GANPATRAO DHONUKSHE	
	GADE ATUL RAGHUNATH	
6	KACHARE KUNAL RAJARAM	
	PUNAM PANDURANG SIRASE	
	GHOTALE UJWALA REVANSIDDH	
7	ADEKAR SHREYA ANAND	
	KHARE NISHA PRABHAKAR	
	BHUBAL KALYANI ANIL	
8	SALUNKHE AKSHAY MARUTI	
	KADAM PRASHANT BALASAHEB	
	KHANVILKAR DHANANJAY INDRAJIT	
9	MOHITE ADITYA ANGAD	
	SHINDE SAMEER DNYANESHWAR	
	MUNGASE SURAJ SANJAY	
10	BIRADAR KRANTI NETAJI	
	BIRAJDAR SAURABH RAJARAM	
	BIRAJDAR SNEHA RAJARAM	
11	VISHAL BABAN MISAL	
	DATTRAM KALYAN KALE	
	DAWANE ABHJEET VIJAY	
12	DUBEY VIJAY SATYANARAYAN	

Project Coordinator  
Prof. M.U Inamdar

HOD  
Dr. Prabhat Pallav  
Head of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109


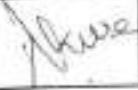
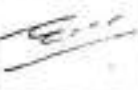

**Siddhant College of Engineering**  
 Department of Electronics and Telecommunication  
 BE (E&TC) A. Y. 2022-23


Project stage 1

Roll No	Group No	Student Name	Guide Name	Remark (Sign)
1	G2201	SALUNKHE AKSHAY MARUTI	Prof.Kure Namita	
2		KHANVILKAR DHANANJAY INDRAJIT		
3		KADAM PRASHANT BALASAHEB		
4	G2202	DANGE AMRUTA DILIP	Prof.Inamdar M.U	
5		KAMBLE VAIBHAVSHALI RAJENDRA		
6		SHEWALE ASHWINI ASHOK		
7	G2203	PUNAM PANDURANG SIRASE	Prof.Kure Namita	
8		GHOTALE UJWALA REVANSIDDH		
9		KLINAL KACHARE		
10	G2204	ADEKAR SHREYA ANAND	Prof.Inamdar M.U	
11		BHUJBAL KALYANI ANIL		
12		KHARE NISHA PRABHAKAR		
13	G2205	KALE AMOL KASHINATH	Prof,Prabhat Pallav	
14		KHALADKAR KULDIP SADASHIV		
15		KUMAWAT HARSHAL VASANTRAO		
16	G2206	KHATRI KEDAR RAMESHKUMAR	Prof.Inamdar M.U	
17		GADE ATUL RAGHUNATH		
18		PRAMOD GANPATRAD DHONUKSHE		
19	G2207	MUNGASE SURAJ SANJAY	Prof.Prabhat Pallav	
20		MOHITE ADITYA ANGAD		
21		SHINDE SAMEER DNYANESHWAR		

SBD

GAA

22	G2208	AMIT RAMCHANDRA KOKARE	Prof.Prabhat Pallav	
23		CHOWDHARY KAMLESH		
		DUBEY VIJAY SATYANARAYAN		
24		DHENGALE PRANJAL KASHINATH		
25	G2209	BIRADAR KRANTI NETAJI	Prof.Kum Namita	
26		BIRAJDAR SAURABH RAJARAM		
27		BIRAJDAR SNEHA RAJARAM		
28	G2210	DIMBLE SWAPNIL PRABHAKAR	Prof.Inamdar M.U	
29		DADASO BHAGAVANRAO JADHAV		
30		MANDAVKAR MANGESH RAMESH		
31		GADE DHANSING HARIDAS		
32	G2211	DATTARAM KALYAN KALE	Prof.Prabhat Pallav	
33		DAWANE ABHIJIT VIJAY		
34		VISHAL BABAN MISAL		

  
Prof. Inamdar M.U

Project co-ordinator

Prof.Pallav Prabhat 

**H.O.D.**  
Head Of The ESTC Dept.  
Siddhant College of Engineering  
Sasumbare, Naval, Pune- 412109



C. A. Y. M. E. Trust's  
Siddhant College of Engineering,  
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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☎ 02114-661904

Date: 2<sup>nd</sup> August 2022


## Project Title Finalization Notice

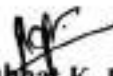
All the Students of BE E & TC engineering are hereby informed that Project title finalization is scheduled as per schedule given below

Date	Group No.	Time	Location
03/08/2022	All	09.30 am to 04.00 pm	AVE Lab

In Project Title Finalization, Project Group should explain all the three Project ideas in front of the Panel members. One of the Project Titles will be finalized if found proper or changes will be suggested if required.

Details of all the Project ideas should be brought on plain paper. (No PPT presentation is required).

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



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H. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. : 02114-661904

Date: 03/08/2022

### Attendance of Project Guides

Sr. No	Name of Project Guide	Sign
1.	Dr. Prabhat Pallav	
2.	Prof M U Inamdar	
3.	Prof A V Bade	
4.	Prof G A Argade	
5.	Prof S B Deshmukh	
6.	Prof S V Shelke	
7.	Prof K A Kadam	

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

Siddhant College of Engineering, Sudumbare, Pune		
ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT		
Class: BE (E&TC)		
Project Group list 2022-23		
Group No	Students Name	Signature
1	AMIT RAMCHANDRA KOKARE	
	CHOWDHARY KAMLESH SHIVKARAN	
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	DAWANE ABHJEET VIJAY	
12	DUBEY VIJAY SATYANARAYAN	

Project Coordinator  
Prof. M.U Inamdar

HOD  
Dr. Prabhat Pallav  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109





C. A. Y. M. E. Trust's  
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SEM- I (2022-23 )

Class:- BE (E & TC)


Date : 18<sup>th</sup> August 2022


## Notice

All the students of BE E & TC Engineering are hereby informed that Project Review-I is scheduled on 22<sup>nd</sup> August 2022, Monday at 10.00 am. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review

This review has a weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly. All the Group members should be present at the time of Project Review.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Pradhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
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At. Post - Sudumbare, Tal - Maval, Dist - Pune, PIN - 412 109. | 02114-661904

Date: 22<sup>nd</sup> August 2022

### Attendance of Project Guides

Sr. No	Name of Project Guide	Sign
1.	Dr. Prabhat Pallav	
2.	Prof M U Inamdar	
3.	Prof A V Bade	
4.	Prof G A Argade	
5.	Prof S B Deshmukh	
6.	Prof S V Shelke	
7.	Prof K A Kadam	

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Siddhant College of Engineering, Sudumbare, Pune**

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class BE (EATU)	Project Title List		Sem-I	A.Y.-2022-23	
Group No	Students Name	Sign	Title	Guide Name	Signature
1	AMIT RAMCHANDRA KUKARE		Automatic Accident detection With Notification System and Electric Buzzer	Dr. Prabhakar K. Pallekar	
	CHOWDHURY KAMLESH SHIVKARAN				
	DHENGALE PRANAL KASHINATH				
2	KHALADKAR KULDIP SADASHIV		IOT Base EV (battery Monitoring and Alert system)	Dr. Prabhakar K. Pallekar	
	KUMARWAT HARSHAL YASANTRAO				
	KALE ANIL KASHINATH				
3	DANGE AMRUTA DILIP		Safety Jacket for Women	Prof. M.U Inamdar	
	SHAWALE ASHWINI ASHOK				
	KAMBLE VAIBHAVSRAJ RAJENDRA				
4	MANDAVIKAR NAGESH RAMESH		Design an Algorithm for Efficient Communication Between Nodes in IOT	Prof. M.U Inamdar	
	GADE DHANISH HARIDAS				
	DIMBLE SWAPNE PRABHAKAR				
	DADASO BHAGAVANRAO JADHAV				
5	KHATRI KEDAR RAMESHKUMAR		Hand Gesture Recognition using IOT	Prof. M.U Inamdar	
	PRAMOD GANPATRAO DHONUKSHI				
	GADE ATUL RAGHUNATH				
6	KACHARE KUNAL RAJARAM		IOT based Smart Energy Meter	Prof. Geetajali Argade	
	PLINAM PANDURANG SIRASE				
	GHOTALE UJWALA REVANSIDDH				
7	ADEKAR SHREYA ANAND		Battery Management System using Cooling Thermo Electric	Prof. M.U Inamdar	
	KHARE NISHA PRABHAKAR				
	BIRUBAL KALYANI ANIL				
8	SALINICHE AKSHAY MARUTI		Voice Controlled Wheel Chair with Obstacle Detection and Control via Touch Panel	Prof. Smit Deshmukh	
	KADAM PRASHANT BALASAHEB				
	KHANWALKAR DHANANJAY INDIRAJIT				
9	MORHITE ADITYA ANAGAD		Wildlife Observain Robot	Dr. Prabhakar K. Pallekar	
	SHINDE SAMEER DNYANESHWAR				
	MINGASE DURAJ SANJAY				
10	BIRADAR KRANTI NETAJI		Door Access Control System Face Mask Detection Using Artificial Intelligence	Prof. Kajani Kadam	
	BIRAJDAR SAURABH RAJARAM				
	BIRAJDAR SNEHA RAJARAM				
11	VISHAL BABAN HESAL		Alcohol Sensing Alert with Motor Locking System	Dr. Prabhakar K. Pallekar	
	DATTRAM KALYAN KALE				
	DAWANE ABHIJEET VIJAY				
12	DUBEY VIJAY SATYANARAYAN		IOT Based GPS Location Tracker using Node mcu and GPS Module	Prof. Shubhangi Shirke	

Project Coordinator  
Prof. M.U Inamdar

HOD  
Dr. Prabhakar Pallekar  
Head Of The E&TE Dept.  
Siddhant College of Engineering  
Sudumbare, Wajal, Pune- 412 109



C. A. Y. M. E. Trust's  
Siddhant College of Engineering,  
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(Approved by AKTE, Recognized by Govt. of Maharashtra and Affiliated to S.P. Pune University & MSBTE)  
At Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. : 02114-661904

SEM-I (2022-23 )

Class:- BE (E & TC)


Date : 27<sup>th</sup> Sept 2022

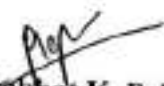
## Notice

All the students of BE E & TC Engineering are hereby informed that, **Project Review-II** is scheduled on **10<sup>th</sup> October 2022, Monday at 10.00 am**. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout

This review has weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly. All the Group members should be present at the time of Project Review.

  
Prof. M.H. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



C. A. V. M. E. Trust's  
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A. Post - Sudumbare, Tal - Maval, Dist - Pune, PIN - 412 109. 02114-561904

Date: 10<sup>th</sup> October 2022

### Attendance of Project Guides

Sr. No	Name of Project Guide	Sign
1.	Dr. Prabhat Pallav	
2.	Prof M U Inamdar	
3.	Prof A V Bade	
4.	Prof G A Argade	
5.	Prof S B Deshmukh	
6.	Prof S V Shelke	
7.	Prof K A Kadam	

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Siddhant College of Engineering, Sudumbare, Pune**

**ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: BE (E&TC)	Project Title List	Sem-II	A.Y.-2022-23		
Group No	Students Name	Sign	Title	Guide Name	Signature
1	AMIT RAMCHANDRA KOKARE		Automatic Accident detection With Notification System and Electric Bumper	Dr. Prabhat K. Pallav	
	CHOWDHARY KAMLESH SHIVKARAN				
	DHENGALE PRANJAL KASHINATH				
2	KHALADKAR KULDIP SADASHIV		IOT Base EV Battery Monitoring and Alert system	Dr. Prabhat K. Pallav	
	KUMAWAT HARSHAL VASANTRAO				
	KALE AMOL KASHINATH				
3	DANGE ANRUTA DEJIP		Safety Jacket for Women	Prof. M.U Inamdar	
	SHEWALE ASHWINI ASHOK				
	KAMBLE VAIBHAVSITALI RAJENDRA				
4	MANDAVKAR MANGESH RAMESH		Design an Algorithm for Efficient Communication Between Nodes in IOT	Prof. M.U Inamdar	
	GADE DHANSING HARIDAS				
	DIMBLE SWAPNE PRABHAKAR				
	DADASO BHAGAVANRAO JADHAV				
5	KHATRI KEDAR RAMESHKUMAR		Hand Gesture Recognition using IOT	Prof. M.U Inamdar	
	PRAMOD GANPATRAO DHONUKSHE				
	GADE ATUL RAGHUNATH				
6	KACHARE KUNAL RAJARAM		IOT based Smart Energy Meter	Prof. Goutam Angde	
	PUNAM PANDURANG SIRASE				
	GHOTALE UPWALA REVANSIDDH				
7	ADIKAR SHREYA ANAND		Battery Management System using Cooling Thermo Electric	Prof. M.U Inamdar	
	KHARE NISHA PRABHAKAR				
	BHUBAL KALYANI ANIL				
8	SALUNKHE AKSHAY MARUTI		Voice Controlled Wheel Chair with Obstacle Detection and Control via Touch Panel	Prof. Swati Dodevakh	
	KADAM PRASHANT BALASAHEB				
	KRANVILKAR DHANANJAY INDRAJIT				
9	MOHITE ADITYA ANGAD		Wildlife Observatin Robot	Dr. Prabhat K. Pallav	
	SHINDE SAMEER DNYANESHWAR				
	MUNGASE SURAJ SANJAY				
10	BIRADAR KRANTINETAJI		Door Access Control System Face Mask Detection Using Artificial Intelligence	Prof. Kalyani Kadam	
	BIRAJDAR SAURABH RAJARAM				
	BIRAJDAR SNEHA RAJARAM				
11	VISHAL BABAN MISAL		Alcohol Sensing Alert with Motor Locking System	Dr. Prabhat K. Pallav	
	DATTRAM KALYAN KALE				
	DAWANE ABHUREET VRAJ				
12	DUBREY VIJAY SATYANARAYAN		IOT Based GPS Location Tracker using Node mcu and GPS Module	Prof. Shubhangi Shelke	

Project Coordinator  
Prof. M.U Inamdar

HOD  
Dr. Prabhat Pallav  
Head Of The E&TE Dept.  
Siddhant College of Engineering  
Sudumbare, Tal. Tal. Pune- 412109



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SEM- I (2022-23)

Class:- BE (E & TC)


Date : 1<sup>st</sup> Nov 2022


## Notice

All the students of BE E & TC Engineering are hereby informed that, **Project Review-III** is scheduled on **10<sup>th</sup> Nov 2022, Thursday at 11.00 am**. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout
9. Purchase of Material
10. Fabrication
11. Assembly
12. Experimentation
13. Analysis.

This review has weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly. All the Group members should be present at the time of Project Review.

  
**Prof. M.U. Inamdar**  
Project coordinator  
(9130504310)

  
**Dr. Prabhat K. Pallav**  
Head of Department,  
E & TC Engineering  
**Head Of The E&TC Dept.**  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

# Siddhant College of Engineering, Sudumbare, Pune

## ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT

Class: BE (E&TE)	Project Title List				Sem-I	A.Y.-2022-23
Group No	Students Name	Sign	Title	Guide Name	Signature	
1	AMIT RAMCHANDRA KOKARE		Automatic Accident detection With Notification System and Electric Bumper	Dr. Prabhat K. Patil		
	CHONDHARY KAMLESH SHEVKARAN					
	DHENGALE PRANJAL KASHINATH					
2	KHALADKAR KULDIP SADASHIV		IOT Base EV Battery Monitoring and Alert system	Dr. Prabhat K. Patil		
	KUMAWAT HARSHAL VASANTRAO					
	KALE ANOL KASHINATH					
3	DANGE AMRUTA DILIP		Safety Jacket for Women	Prof. M.U. Inamdar		
	SHEWALE ASHWINI ASHOK					
	KAMBLE VAIBHAVSHALI RAJENDRA					
4	MANDAYKAR MANGESH RAMESH		Design an Algorithm for Efficient Communication Between Nodes in IOT	Prof. M.U. Inamdar		
	GADE BHANSHING HARIDAS					
	DIMBLE SWAPNE PRABHAKAR					
	DADASO BHAGAVANRAO JADHAV					
5	KHATRI KEDAR RAMESHKUMAR		Hand Gesture Recognition using IOT	Prof. M.U. Inamdar		
	PRANOD GANPATRAO DHONUKSHE					
	GADE ATUL RAGHUNATH					
6	KACHARE KUNAL RAJARAM		IOT based Smart Energy Meter	Prof. Ganapati Argade		
	PUNAM PANDURANG SIRASE					
	GODALE UPWALA REVANSIDDH					
7	ADEKAR SHREYA ANAND		Battery Management System using Cooling Thermo Electric	Prof. M.U. Inamdar		
	KHARE NISHA PRABHAKAR					
	BHUIBAL KALYANI ANIL					
8	SALUNKHE AKSHAY MARUTI		Voice Controlled Wheel Chair with Obstacle Detection and Control via Touch Panel	Prof. Swati Deshpande		
	KADAM PRASHANT BALASANEH					
	KHANVELKAR DHANANJAY INDRAJIT					
9	MOHITE ADITYA ANGAD		Wildlife Observin Robot	Dr. Prabhat K. Patil		
	SHINDE SAMEER DNYANESHWAR					
	MUNGASE SUKAI SANJAY					
10	BIRAJDAR KRANTI NETAJI		Door Access Control System Face Mask Detection Using Artificial Intelligence	Prof. Kalyani Kadam		
	BIRAJDAR SAURABH RAJARAM					
	BIRAJDAR SMEHA RAJARAM					
11	VISHAL BABAN MISAL		Alcohol Sensing Alert with Motor Locking System	Dr. Prabhat K. Patil		
	DATTRAM KALYAN KALE					
	DAWANE ABHJEET VUAY					
12	DUBEY VUAY SATYANARAYAN		IOT Based GPS Location Tracker using Node-mcu and GPS Module	Prof. Shubhangi Shelke		

Project Coordinator  
Prof. M.U. Inamdar

HOD  
Dr. Prabhat Patil  
Head Of The E&TE Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109





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At. Post - Sudumbare, Tal. - Maval, Dist. - Pune, PIN - 412 109. ☐ 02114-661904.

SEM-I (2022-23)

Class:- BE (E & TC)

Date : 16<sup>th</sup> Nov 2022


## Notice

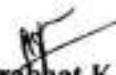
All the students of BE E&TC Engineering are hereby informed that, **Project Review-IV** is scheduled on **21<sup>st</sup> Nov 2022, Wednesday** at **10.00 am**. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout
9. Purchase of Material (Add actual photos)
10. Fabrication Status (Add actual photos)
11. Assembly (Add actual photos)
12. Experimentation
13. Analysis (add analysis part if any)
14. Results
15. Conclusions and References

Presentation will be in front of Project Evaluation Panel. All the Group members should be present at the time of Project Review.

**Note:-** Project Should be completed at the end of this month. Prepare project report in consultation with your project Guides.

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
Head of Department  
Department of Electronics and Telecommunication Engineering  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Siddhant College of Engineering, Sudumbare, Pune**  
**ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: BE (E&TE)	Project Title List		Sem-I	A.V.-2022-23	
Group No	Students Name	Sign	Title	Guide Name	Signature
1	AMIT RAMCHANDRA KOLARE		Automatic Accident detection With Notification System and Electric Bumper	Dr. Prabhat K. Pathav	
	CHETWADHARY KAMLESH SHIVKARAN				
	DHENGALE PRANJAL KASHINATH				
2	KHALADKAR KULDIP SADASHIV		IOT Base EV Battery Monitoring and Alert system	Dr. Prabhat K. Pathav	
	KUMAWAT HARSHAL VASANTRAO				
	KALE ANOL KASHINATH				
3	DANGE AMRUTA DILIP		Safety Jacket for Women	Prof. M.U Inamdar	
	SHEWALE ASHWINI ASHOK				
	KAMBLE VAIBHAVSHALI RAJENDRA				
4	MANDAYKAR MANGESH RAMESH		Design an Algorithm for Efficient Communication Between Nodes in IOT	Prof. M.U Inamdar	
	GADE DHANSHING HARIDAS				
	DIMBLE SWAPNIL PRABHAKAR				
	DADASO BHAGAVANRAO JADHAV				
5	KHATRI KEDAR RAMESHKUMAR		Hand Gestures Recognition using IOT	Prof. M.U Inamdar	
	PRANOD GANPATRAO DHONUKSHE				
	GADE ATUL RAJESHNATH				
6	KACHARE KUNAL RAJARAM		IOT based Smart Energy Meter	Prof. Geetanjali Argade	
	PENAM PANDURANG SIRASE				
	GHOTALE UJWALA REVANSIDDH				
7	ADEKAR SIREYA ANAND		Battery Management System using Cooling Thermo Electric	Prof. M.U Inamdar	
	KHARE NISHA PRABHAKAR				
	BHUBAL KALYANI ANIL				
8	SALLUNCHE AKSHAY MARUTI		Voice Controlled Wheel Chair with Obstacle Detection and Control via Touch Panel	Prof. Swati Deshpande	
	KADAM PRASHANT BALASAMID				
	KHANVILKAR DIAMANIY INDRAJIT				
9	MOHITE ADITYA ANAGAD		Wildlife Observain Robot	Dr. Prabhat K. Pathav	
	SHINDE SAMEER DNYANESHWAR				
	MUNGASE SURAJ SANJAY				
10	BIRADAR KRANTI NETAJI		Door Access Control System Face Mask Detection Using Artificial Intelligence	Prof. Kalyani Kadam	
	BIRAJDAR SALIKABH RAJARAM				
	BIRAJDAR SNEHA RAJARAM				
11	VISHAL BABAN MISAL		Alcohol Seizing Alert with Motor Locking System	Dr. Prabhat K. Pathav	
	DATTRAM KALYAN KALE				
	DAWANE ABHIEET VIJAY				
12	DUBEY VIJAY SATYANARAYAN		IOT Based GPS Location Tracker using Node mcu and GPS Module	Prof. Shubhangi Shelke	

Project Coordinator  
 Prof. M.U Inamdar

Dr. Prabhat Pathav  
 Head Of The E&TE Dept.  
 Siddhant College of Engineering  
 Sudumbare, Maval, Pune-412109



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SEM- I (2022-23)

Class:- BE (E & TC)

Date : 22<sup>nd</sup> Nov, 2022

## Project Stage-I & II contents

### Project Stage-I (SEM-I)

1. Group formation,
2. Topic finalization,
3. Literature Review,
4. Methodology,
5. Components selection
6. Design Calculations
7. Experimental Layout


**Note:- Project Groups should Prepare the project report and has to submit soft copy as well as hard copy ( Spiral Binding )**

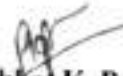
### Project Stage-II (SEM-II)

1. Purchase of Components,
2. Fabrication (PCB Design) ,
3. Assembly ,
4. Experimentation and
5. Analysis

**Project Groups should prepare the project report and has to submit soft copy as well as hard copy (Black Book copy)**

All the project groups are instructed to complete the given tasks in stage-I & II

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabal K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109



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SEM- I (2022-23)

Class:- BE (E & TC)

Date : 27<sup>th</sup> Dec, 2022


### Notice

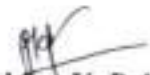
All the Students BE (E & TC) are hereby informed that, **Project Stage-I SPPU Oral** exam is scheduled on **28<sup>th</sup> Dec, 2022**. Project stage-I evaluation will be for 50 marks (Termwork-25 marks & Oral -25 marks). All the Project Groups are instructed to contact the respective Guides. Project Groups Should Prepare the Project Stage-II report considering following points. (PPT also)

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout

#### Note:-

1. Prepare PPT presentation of at least 15-20 slides
2. While presentation each group member has to give the presentation (So divide the presentation among your respective group members )
3. Prepare project report of 60-70 Pages
4. Submit Final report (**Number of group members +1**) Binding duly signed by Project Guide, Project Coordinator, HOD and Principal. (Refer SPPU syllabus)
5. Carry all the Research Papers, Logbook, CD and Literature referred during oral exam

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
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SEM- I (2022-23)

Class:- BE (E & TC)

Date : 27<sup>th</sup> Dec, 2022


### Notice


All the Students BE (E & TC) are hereby informed that, **Project Stage-I SPPU Oral** exam is scheduled on **28<sup>th</sup> Dec, 2022**. Project stage-I evaluation will be for 50 marks (Termwork-25 marks & Oral -25 marks). All the Project Groups are instructed to contact the respective Guides. Project Groups Should Prepare the Project Stage-II report considering following points. (PPT also)

1. Introduction
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4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review
7. Design Calculations
8. Experimental Layout

#### Note:-

1. Prepare PPT presentation of at least 15-20 slides
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3. Prepare project report of 60-70 Pages
4. Submit Final report (**Number of group members +1**) Binding duly signed by Project Guide, Project Coordinator, HOD and Principal. (Refer SPPU syllabus)
5. Carry all the Research Papers, Logbook, CD and Literature referred during oral exam

  
Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

  
Dr. Prabhat K. Pallav  
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SEM- II (2022-23)

Class:- BE (E & TC)

Date : 9<sup>th</sup> Feb, 2023

## Notice

All the students of BE E & TC Engineering are hereby informed that, **Project Review-I** is scheduled on 13<sup>th</sup> Feb 2023, at 10.00 am. All the Project Groups are supposed to contact the respective Guides and discuss the status of the project before. Project Groups Should Prepare the Presentation (PPT) for review. Following Points to should be included in Presentation:

1. Introduction
2. Problem statement
3. Objectives
4. Concept
5. Plan (Complete Plan to Finish the Project)
6. Literature Review

This review has weightage of 50% of Term work marks. Project Groups should prepare the Presentation accordingly. All the Group members should be present at the time of Project Review.

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhakar K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Mayal, Pune- 412109



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At. Post - Sudumbare, Tal - Maval, Dist. - Pune, PIN - 412 109. ☎02114-661904.

Date: 13<sup>th</sup> Feb, 2023

### Attendance of Project Guides

Sr. No	Name of Project Guide	Sign
1.	Dr. Prabhat Pallav	
2.	Dr. A. V. Bade	
3.	Prof. M U Inamdar	
4.	Prof. G.A. Argade	
5.	Prof. S. B. Deshmukh	
6.	Prof. S. V. Shelke	
7.	Prof. K. A. Kadam	

Prof. M.U. Inamdar  
Project coordinator  
(9130504310)

Dr. Prabhat K. Pallav  
Head of Department,  
E & TC Engineering  
Head Of The E&TC Dept.  
Siddhant College of Engineering  
Sudumbare, Maval, Pune- 412109

**Siddhant College of Engineering, Sudumbare, Pune**

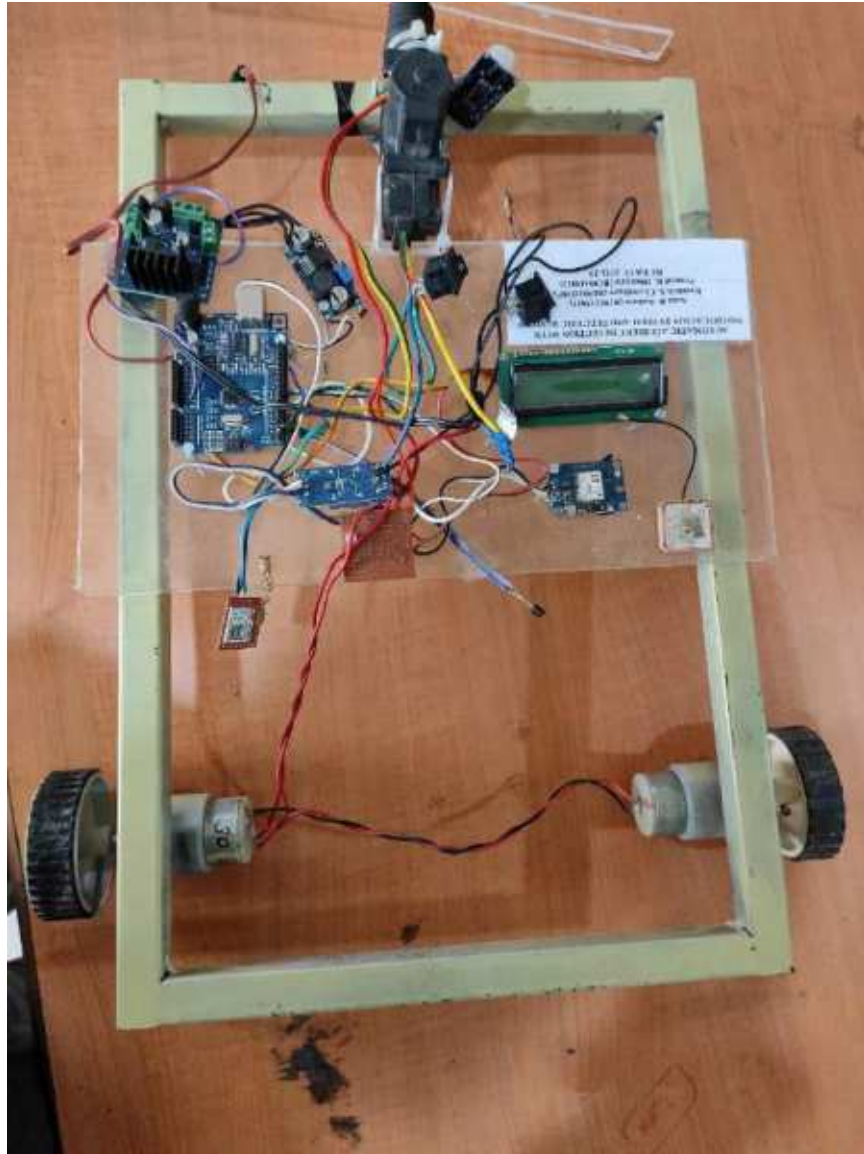
**ELECTRONICS AND TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: BE (E&TC)	Project Title List	Sem-II	A.Y.-2022-23
Group No	Students Name	Sign	Signature
1	AMIT RAMCHANDRA KOKARE		Automatic Accident detection With Notification System and Electric Bumper
	CHOWDHARY KAMLESH SHIVKARAN		
	DHENGALE PRANAL KASHINATH		
2	KHALADKAR KULDIP SADASHIV		IOT Base EV Battery Monitoring and Alert system
	KUMAWAT HARSHAL VASANTRAO		
	KALE AMOL KASHINATH		
3	DANGE AMRUTA DILIP		Safety Jacket for Women
	SHIWALE ASHWINI ASHOK		
	KAMBLE VAIBHAVSHALI RAJENDRA		
4	MANDAVKAR MANGESH RAMESH		Design an Algorithm for Efficient Communication Between Nodes in IOT
	GADE DHANSHING HARIDAS		
	DIMBLE SWAPNIL PRABHAKAR		
	DADASO BHAGAVANRAO JADHAV		
5	KHATRI KEDAR RAMESH KUMAR		Hand Gesture Recognition using IOT
	PRAMOD GANPATRAO DHONLIKHE		
	GADE ATUL RAGHUNATH		
6	KACHARE KUNAL RAJARAM		IOT based Smart Energy Meter
	PLNAN PANDURANG SIRASE		
	GROTALE UPWALA REYANSIDDH		
7	ADEKAR SHREYA ANAND		Battery Mangement System using Cooling Thermo Electric
	KHARE NISHA PRABHAKAR		
	BHUIBAL KALYAN ANIL		
8	SALLUNKHE AKSHAY MARUTI		Voice Controlled Wheel Chair with Obstacle Detection and Control via Touch Panel
	KADAM PRASHANT BALASAHEB		
	KHANVILKAR DEANANAY INDRAJIT		
9	MOHITE ADITYA ANGAD		Wildlife Observatin Robot
	SHINDE SAMBER DNYANESHWAR		
	MUNGASE SIBAJ SANJAY		
10	BIRADAR KRANTI NETAJI		Door Access Control System Face Mask Detection Using Artificial Intelligence
	BIRAJDAR SAURABH RAJARAM		
	BIRAJDAR SNEHA RAJARAM		
11	VISHAL BABAN MISAL		Alcohol Sensing Alert with Motor Locking System
	DATTIRAM KALYAN KALE		
	DAWANE ABHUEET VIJAY		
12	DUBEY VIJAY SATYANARAYAN		IOT Based GPS Location Tracker using Node mcu and GPS Module

Project Coordinator  
Prof. M.U Inamdar

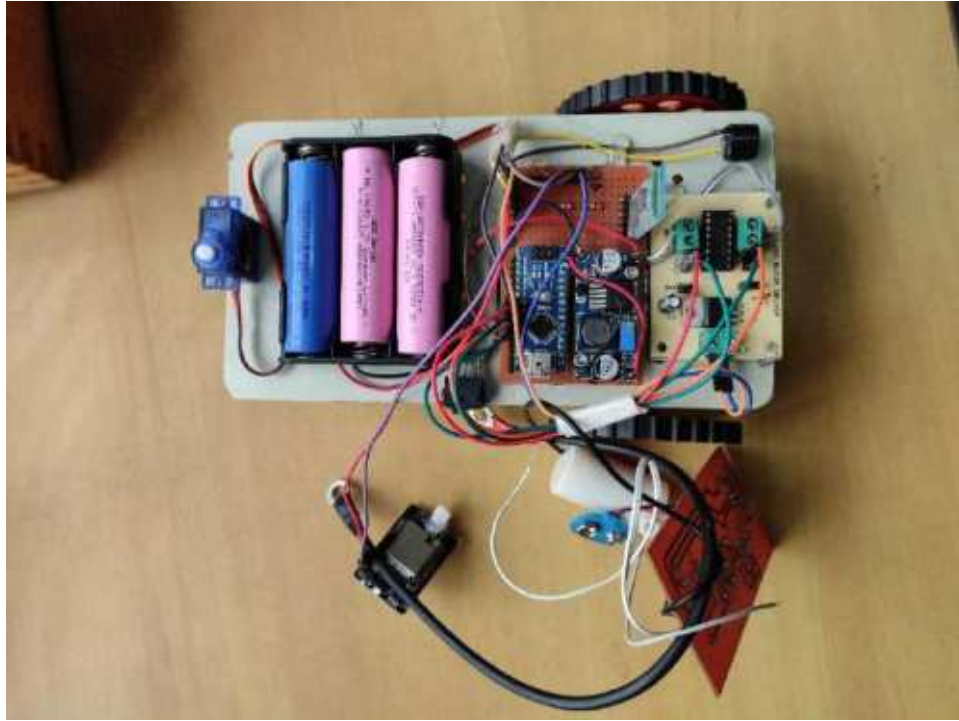
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B E – Electronics. 2022-23.

Automatic Accident Detection with Notification System and Electric Bumper.



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IOT Based E V Battery Monitoring & Alert System..



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Battery Management System Using Cooling Thermo-Electric.