



SAPTHAGIRI COLLEGE OF ENGINEERING
 (Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
 ISO 9001: 2015 & ISO 14001: 2015 CERTIFIED

LIST OF BATCHES FOR MINI PROJECT -5A SECTION - 2020-21

SL. NO	BATCH NO	USN	STUDENT NAME	MINI PROJECT TITLE	Guide
1	1	ISG19EC410	Manu.KM	Arduino Controlled Rador System	Prof.Agalya P
2		ISG19EC411	Meghana		
3		ISG19EC413	Prathap.BR		
4		ISG19EC417	Thanuja.L		
5	2	ISG18EC050	Lavanya R	Automatic Street Light System	Prof.Agalya P
6		ISG18EC027	Dhanushree L		
7	3	ISG18EC003	Akarsh BA	Revolving Display based on POV	Prof.Ravishankara M N
8		ISG18EC024	Deepak K		
9		ISG18EC038	Hemant H M		
10	4	ISG18EC015	Bharath K	IR Remote Control Home Automation	Prof.Padmavathi C
11		ISG18EC001	Abhishek R		
12		ISG18EC057	Meda. Abhiram sai		
13	5	ISG18EC030	Dushyanth HY	Mobile Phone Detector	Prof.Suma C
14		ISG18EC028	Divakar V		
15		ISG18EC034	Gireesha K		
16		ISG18EC043	Teja KR		
17	6	ISG18EC012	Ashwin K	Arduino Nano Oscilloscope	Prof.Vijay Kumar Kulkarni
18		ISG18EC051	Vishnu Vardhan		
19		ISG16EC011	Ashutosh Tiwari		

5th Sem

20		ISG16EC058	Nandan N		
21		ISG17EC014	Ashutosh Yadav		
22	7	ISG17EC045	Kishan R	Digital Thermometer using LM35 and Microcontroller	Prof.Vijay Kumar Kulkarni
23		ISG18EC018	Ceriya Deepika .S		
24		ISG18EC010	Archana.D		
25		ISG16EC128	SPOORTHI M		
26	8	ISG18EC002	Aishwarya Katare	Smart Dustbin using Arduino	Prof.Vijay Kumar Kulkarni
27		ISG18EC035	HAMSITHA B		
28		ISG18EC053	LIKHITHA G		
29	9	ISG18EC059	MONISHA R	Smart irrigation using Arduino UNO	Prof.Agalya P
30		ISG18EC044	K Shreyas		
31		ISG18EC042	Jayanth RS		
32		ISG18EC039	Hemanth K		
33	10	ISG18EC036	Hare Krishna	Automatic railway gate control using Arduino and IR Sensor	Prof.Kavitha R J
34		ISG19EC406	Divya R		
35	11	ISG19EC400	Amulya N D	Lie detector based on the changes of skin resistance	Prof.Prathibha P
36		ISG18EC041	JAYANTH K		
37		ISG18EC060	NAGESH R		
38		ISG18EC054	M AKSHAY		
39	12	ISG18EC032	GANGADHAR GM	eCo-VISIMOTEM	Prof.Prathibha P
40		ISG18EC005	ANAND V		
41	13	ISG18EC047	KUMAR G	Arduino Distance meter	Prof.Suma C
42		ISG17EC065	PRATEEKBILGI		
43		ISG17EC070	RAKSHITHA G N		
44		ISG18EC400	ANURAG G		
45	14	ISG18EC414	SUNITHA M U	ELECTRONIC WATCH DOG PROJECT	Prof.Shwetha M
46		ISG18EC006	Ananya N Yadav		
47		ISG18EC011	Archana H K		
48	15	ISG18EC033	Geetha N P	Touchless Sanitizer	Prof.Ravishankara M N
49		ISG18EC016	Bhargavi TC		

50		ISG18EC013	Ashwini BN		
51	16	ISG18EC019	Chandana CB	Traffic Signal light Control	Prof.Vijay Kumar Kulkarni
52		ISG18EC020	Chandana V		
53		ISG18EC008	Apurva M Shet		
54		ISG18EC017	Bhumika S		
55	17	ISG18EC009	Arathi M	Persistence of vision (POV) Display using Arduino	Prof.Madhu H M
56		ISG18EC031	G. Meghashree		
57		ISG18EC025	Deepika. UM		
58	18	ISG18EC007	Apoorva. YJ	Audio Signal Processing	Prof.Suma C
59		ISG18EC023	Deepa B		
60		ISG18EC037	Harshitha V		
61		ISG18EC049	Lavanya N		
62	19	ISG18EC058	Megha S	OTP based smart wireless locking system using arduino	Prof.Veena N
63		ISG18EC045	Khushi Singh		
64		ISG18EC048	Lavanya B		
65	20	ISG18EC055	Manasa Dev	Touch Sensor Using 555 Timer	Prof.Veena N
66		ISG18EC014	Bharath K		
67		ISG18EC022	Darshan J		
68	21 ✓	ISG18EC056	Manoj Mahadev	Password based Door lock system	Prof.Suma C
69		ISG18EC021	Chethan B A		
70		ISG18EC40	Jashwanth V		
71		ISG18EC026	Devankith		
72	22	ISG18EC046	Kiran kumar d	Touch sensor using 555 Timer IC	Prof.Suma C



Head of the Department
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LIST OF BATCHES FOR MINI PROJECT - 5B SECTION - 2020-21

SL. NO	BATCH NO	USN	STUDENT NAME	MINI PROJECT TITLE	INTERNAL GUIDE
1	1	ISG18EC069	Poojitha. S.B	LASER Communication System	Prof.Agalya P
2		ISG18EC099	Shreya. S		
3		ISG18EC110	Vaishnavi. P. B		
4	2	ISG18EC079	R Divya	Intruder Security Alarm using Laser and Transistor	Prof.Agalya P
5		ISG18EC095	Shilpa A		
6		ISG18EC077	Preksha Prakash		
7	3	ISG18EC074	Prateek.J.H	Bluetooth Controlled Car using Arduino Uno	Prof.Ravishankara M N
8		ISG18EC062	Nikhil Umapati		
9		ISG18EC105	Tarun Kumar.G		
10	4	ISG18EC404	DEEPAK G KRISHNAN	Digital Voltmeter using Arduino	Prof.Ravishankara M N
11		ISG18EC413	SANTHOSH G		
12		ISG18EC415	THEERTHA PRASAD T		
13	5 ✓	ISG16EC087	RANBIR KUMAR SINGH	VIDEO SURVEILLANCE ROBOT	Prof.Shobha S
14		ISG19EC418	YASHWANTH KUMAR N		
15		ISG19EC408	HARSHAVARDHAN K V		
16	6	ISG19EC404	DARSHAN GOWDA S	LASER SECURITY ALARM CIRCUIT	Prof.Shobha S
17		ISG19EC405	DEEPAK N		
18		ISG19EC409	IMDAD HUSSAIN		
19		ISG19EC412	NAVEEN H R		

20		ISG18EC070	Prajwal J Badiger		
21		ISG18EC073	Pramodh N		
22	7	ISG18EC085	Sai krishna M	Persistent of display	Prof.Vijay Kumar Kulkarni
23		ISG18EC402	ASHA E		
24		ISG18EC412	PUNYASHREE G		
25	8	ISG18EC424	VINAY R	Timer based aquarium control system	Prof.Vijay Kumar Kulkarni
26		ISG18EC409	KARTHIK S ARKASALI		
27		ISG18EC411	MANOJ R		
28	9	ISG18EC417	YESHWANTH RAO B.N	HEARTBEAT SENSOR USING ARDUINO	Prof.Kavitha R J
29		ISG18EC093	SHASHANK D R		
30		ISG18EC092	SHARATH KUMAR B G		
31	10	ISG18EC120	Vishal N	Electronic Voting Machine Using Arduino	Prof.Kavitha R J
32		ISG18EC087	SAMARTH.K		
33		ISG18EC100	SHREYAS.S		
34	11	ISG18EC106	THEJAS.S	Control of RGB LED's using 74HC595 and Arduino UNO	Prof.Prathibha.P
35		ISG19EC401	ASHA K R		
36		ISG19EC402	BINDUSHREE M G		
37	12	ISG19EC403	CHAITHANYA D R	DC Motor Speed Control by Varying PWM Duty Cycle	Prof.Prathibha.P
38		ISG18EC083	Reshma S Hegde		
39		ISG18EC117	Vinay H S		
40	13	ISG18EC113	Varun L	Automatic Fluid Dispenser	Prof.Padmavathi C
41		ISG18EC065	R Nitish		
42		ISG17EC117	HARSHA RL		
43	14	ISG18EC107	UJWAL S	Ultra Sonic Obstacle Detector using 555 Timer	Prof.Suma C
44		ISG18EC109	Ume e safa		
45		ISG18EC111	Vandana G		
46	15	ISG18EC112	Varshini R	Music Rhythm LED Flash Light	Prof.Suma C
47		ISG19EC407	Doreswamy VB		
48		ISG19EC415	Ranganath M		
49	16	ISG18EC122	Yogeesh YR	Fire Alaram Circuit	Prof.Padmavathi C

50		ISG18EC078	Premasagar BL		
51		ISG18EC080	Rakshith GS		
52	17	ISG18EC116	Vikas BS	Touchless Door bell	Prof.Madhu H M
53		ISG18EC088	Samreen kausar		
54		ISG18EC066	Parvathy R	Rain alarm circuit using 555 Timer	Prof.Madhu H M
55		ISG18EC082	Rakshitha s Acharya		
56		ISG18EC115	Vidya K N		
57	19	ISG18EC103	Suma G	Bistable multivibrator	Prof.Shwetha M
58		ISG18EC090	Selva Kumar B		
59		ISG18EC091	Sharath K V		
60	20	ISG18EC097	Shiva Kumar S	HOME AUTOMATION USING ESP8266	Prof.Shwetha M
61		ISG18EC102	Sujan S		
62		ISG18EC118	Vinay P		
63	21	ISG18EC119	Vinay Prasad M	Mobile Detector	Prof.Veena N
64		ISG18EC098	Shraddha Varijakshaa		
65		ISG18EC096	Shilpashree SR	Bidirectional Counter Visitor Using Arduino UNO	Prof.Veena N
66	22	ISG18EC068	Pooja GD		
67		ISG18EC061	Nikhil M Kumar		
68	23	ISG19EC414	Rakshith D	RF Controlled Home Appliances	Prof.Rashmi B J
70		ISG18EC067	Pavan Kumar Gv		
71	24	ISG18EC076	Praveen N	Touch sensor using 555 timer	Prof.Rashmi B J
72		ISG18EC071	Prajwal P		
73	25	ISG18EC086	Sakshi pai B	BreaK Failure Indicator	Prof.Padmavathi C
74		ISG18EC108	Ullas IIP		
75	26	ISG18EC063	NITHIN RS	Touch sensor Using 555 Timer	Prof.Madhu h M
76		ISG18EC104	Swagath Shreyash	Battery level indicator Circuit using LM3914IC	
77	27	ISG18EC101	Sourav Singh		Prof.Shobha S



Head of the Department
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project report
On

ARDUINO CONTROLLED RADAR SYSTEM




Submitted During V Semester

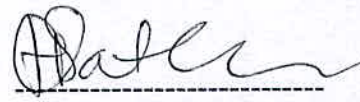
BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Prof. AGALYA P
Associate Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
MANU K M	1SG19EC410	10	10	05	25
MEGHANA	1SG19EC411	10	10	05	25
PRATHAP B R	1SG19EC413	10	10	05	25
THANUJA L	1SG19EC417	10	10	05	25


Signature of the Guide
Agalya P.


Signature of the HOD
Dr. H.C. Sateesh Kumar

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

**Automatic Street
Light System**



Submitted During V Semester

BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING**

under the guidance of

Mrs. Agalya P

Asst. Professor
Dept. ECE SCE

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
DHANUSHREE L	1SG18EC0 27	09	10	04	23
LAVANYA R	1SG18EC0 50	09	10	04	23

Signature of the Guide
Mrs. Agalya P

Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

**Revolving Display
(based on POV)**



Submitted During V Semester

BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING**

under the guidance of

Prof. Ravi Shankara M N
Associate Professor

Name	USN	Creativity (10)	Implementation (10)	Report (10) ⁵	Total (25)
Akarsh B A	1SG18EC003	10	10	4	24
Deepak K	1SG18EC024	10	10	4	24
Hemanth H M	1SG18EC038	10	10	4	24

Signature of the Guide
Ravi Shankara M N

Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

IR REMOTE CONTROL HOME AUTOMATION



Submitted During V Semester

BACHELOR OF ENGINEERING In ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Padmavathi.C
Asst. Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Abhishek.R	1SG18EC001	10	10	05	25
Bharath.K	1SG18EC015	10	10	05	25
Meda Abhiram Sai	1SG18EC057	09	09	05	23

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Prof. Padmavathi.C

Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

Mobile Phone Detector



Submitted During 5th Semester

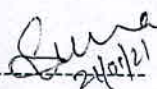
BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING


under the guidance of

SUMA C

Asst.Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Divakar V	1SG18EC028	09	10	05	24
Dushyanth H Y	1SG18EC030	10	10	05	25
Gireesha K	1SG18EC034	10	10	05	25
Teja K R	1SG18EC043	09	10	05	24


Signature of the Guide
Prof. Suma C


Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

ARDUINO BASED OSCILLOSCOPE



Submitted During V Semester

BACHELOR OF ENGINEERING In ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Dr. Vijay Kumar Kulkarni

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Ashwin.k	1SG18EC012	9+1	9	5	24
Vishnu Vardhan Reddy	1SG18EC051	9+1	9	5	24

Signature of the Guide
Dr. Vijay Kumar Kulkarni

Signature of the HOD
Dr. H.C. Sateesh Kumar

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2020-2021

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A Mini Project report
On



Digital Thermometer Using LM35 and 8051 MicroController

Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Dr. Vijay Kumar Kulkarni
Professor

Student Name	USN	Creativity (10)	Implem entation (10)	Report (05)	Total (25)
Ashutosh Tiwari	1SG161EC011	10	10	4	24
Nandan N	1SG16EC058	10	10	4	24
Ashutosh Yadav	1SG17EC014	10	10	4	24
Kishan R	1SG17EC045	10	10	4	24

Signature of the Guide
Dr. Vijay Kumar Kulkarni

Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

Smart Dustbin Using Arudio



Submitted During 5th Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Dr Vijaykumar Kulkarni

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Spoorthi M	ISG16EC128	10	10	5	25
Aishwarya Katare	ISG18EC002	10	10	5	25
Archana D	ISG18EC010	10	10	5	25
Ceriya Deepika	ISG18EC018	10	10	5	25

Signature of the Guide
Dr vijaykumar Kulkarni

Signature of the HOD
Dr H C Sateesh Kumar

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2020-2021

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

Smart irrigation using Arduino
UNO



Submitted During III Semester

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. AGALYA P

Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Hamsitha B	1SG18EC035	10	10	05	25
Likhitha G	1SG18EC053	10	10	05	25
Monisha R	1SG18EC059	10	10	05	25

Signature of the Guide
Guide Name

Signature of the HOD
Dr. H.C. Sateesh Kumar

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Sapthagiri College of Engineering,

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2020-2021

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

AUTOMATIC RAILWAY GATE CONTROLLER



Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING


under the guidance of

KAVITHA R J

Asst. Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Hare Krishna	1SG18EC036	09	10	05	24
Hemanth K	1SG18EC039	10	10	04	24
Jayanth R S	1SG18EC042	10	10	04	24
K Shreyas	1SG18EC044	10	10	04	24


Signature of the Guide
Prof. Kavitha R J


Signature of the HOD
Dr. H.C. Sateesh Kumar

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Sapthagiri College of Engineering,

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2020-2021


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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590018



A Mini Project report
On

LIE DETECTOR BASED ON THE CHANGES OF SKIN RESISTANCE



Submitted During V Semester

BACHELOR OF ENGINEERING In ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Prof. Prathibha.P
Assistant Professor
Dept of ECE, SCE

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
AMULYA N D	1SG19EC400	9	10	5	24
DIVYA R	1SG19EC406	9	10	5	24

Signature of the Guide
Prof. Prathibha.P

Signature of the HOD
Dr. H.C. Sateesh Kumar

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2020-2021

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University and Approved by All India Council for Technical Education)
Bengaluru- 560057

A Mini Project report

On

eCo-VISIMOTEM

Submitted

during V Semester of

Electronics and Communication Engineering

for the academic year

2020-21

Under the guidance of

Prof. Prathibha P

Assistant Professor

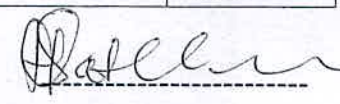
Dept. of ECE

Submitted by

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total (25)
Angadhar G M	1SG18EC032	10	9	5	24
Yanth K Holalkeri	1SG18EC041	10	9+1	5	25
Akshay Kamath	1SG18EC054	10	9	5	24
Agesh R Shanbhag	1SG18EC060	10	9+1	5	25

Signature of the Guide
Prof. Prathibha P


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057


Signature of the HOD
Dr. H.C. Sateesh Kumar

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report On **ARDUINO DISTANCE METER**



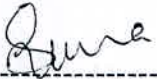
Submitted During V Semester


BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING**

under the guidance of

Prof.SUMA C
Asst.Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
ANAND V	1SG18EC005	10	10	05	25
KUMAR G	1SG18EC047	10	10	05	25


Signature of the Guide
PROF.SUMA C


Signature of the HOD
Dr. H.C. Sateesh Kumar

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sapthagiri College of Engineering,

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2020-2021


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Bengaluru - 560 057

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

Wireless data transmission by
sending data from one arduino
to another using NRF module




Submitted During V Semester

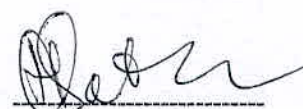
BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. Shwetha M
Assistant professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Niharika R H	1SG17EC059	10	10	04	24
Prateek R	1SG17EC065	08	08	04	20
Rakshitha G N	1SG17EC070	10	10	04	24
Anurag G	1SG18EC400	10	10	04	24
Sunitha M U	1SG18EC414	10	10	04	24


Signature of the Guide
Prof. Shwetha M


Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

TOUCHLESS SANITIZER



Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. Ravi Shankara M N
Associate professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Ananya N Yadav	1SG18EC006	10	10	04	24
Archana H K	1SG18EC011	10	10	04	24
Geetha N P	1SG18EC033	10	10	04	24

Signature of the Guide
Prof. Ravi Shankara
Associate professor

Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On

TRAFFIC SIGNAL LIGHT CONTROL



Submitted During fifth Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Dr. Vijay kumar Kulkarni

Proffesor, department of ece

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
1.Bhargavi TC	1SG18EC016	9	10	4	24
2.Ashwini BN	1SG18EC013	9	10	4	24
3. ChandanaCB	1SG18EC019	9	10	4	24

Signature of the Guide
Dr. Vijay kumar kulkarni

Signature of the HOD
Dr. H.C.Sateesh kumar

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project report
On



Persistence of Vision (POV) Display Using Arduino

Submitted During V Semester


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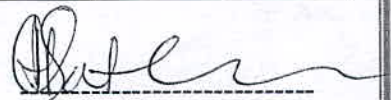
under the guidance of

Prof. Madhu H M

Assistant Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Arathi M	1SG18EC009	10	10	5	25
Apurva M Shet	1SG18EC008	10	10	5	25
Chandana V	1SG18EC020	10	10	5	25
Bhumika S	1SG18EC017	10	10	5	25


Signature of the Guide
Prof. Madhu H M


Signature of the HOD
Dr. H.C. Sateesh Kumar

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

AUDIO SIGNAL PROCESSING

Submitted During V Semester



BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. Shobha S

Associate Professor

&

Prof. Suma C

Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
G.Meghashree	1SG18EC031	10	10	05	25
Deepika U.M	1SG18EC025	10	10	05	25
Apoorva Y.J	1SG18EC007	10	10	04	24

Signature of the Guide
Prof. Suma C

Signature of the HOD
Dr. H.C. Sateesh Kumar
Bengaluru - 560 057

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Bengaluru-560057


A Project report
On


OTP Based Smart Wireless Locking System Using Arduino

Submitted during Vth Semester of
Electronics and Communication Engineering for the academic year 2020-21
Under the guidance of
Assistant Prof. VEENA N, Dept. of ECE

Submitted by

NAME	USN	CREATIVITY (10)	IMPLEMENTATION (10)	REPORT (05)	TOTAL(25)
Deepa B	1SG18EC023	8 + 1	9 + 1	4 + 1	24
Harshitha V	1SG18EC037	8 + 1	9 + 1	4 + 1	24
Lavanya N	1SG18EC049	8 + 1	9 + 1	4 + 1	24
Megha S	1SG18EC058	8 + 1	9 + 1	4 + 1	24


Signature of the guide
Assistant Prof.. Veena N


Signature of the HOD
Dr. H.C.Sateesh Kumar
Principal

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Bengaluru - 560 057



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University and Approved by All India Council for Technical Education)

Bengaluru 560057

A Project Report

On

Touch Sensor Using 555 Timer

Submitted

during 5th Semester of

Electronics and Communication Engineering

for the academic year

2020-21

Submitted by

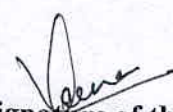
Under the guidance of

Prof. Veena.N

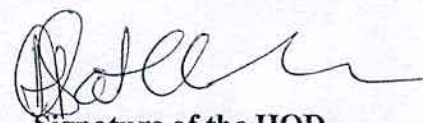
Assistant Professor

Dept of ECE, SCE

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total(25)
KHUSHI SINGH	1SG18EC045	8 + 1	9 + 1	9 4	26 + 2
LAVANYA B	1SG18EC048	8 + 1	9 + 1	9 4	26 + 2
MANASA DEV G J	1SG18EC055	8 + 1	9 + 1	9 4	26 + 2


Signature of the guide
Prof. Veena.N


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Signature of the HOD
Dr. H.C. Sateesh Kumar

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

Touch Sensor Using IC-555 Timer




Submitted During 5th Semester


BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

SUMA C
Asst.Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Chetan B A	1SG18EC021	10	09	05	24
Jashwanth V	1SG18EC040	10	09	05	24
Devankit	1SG18EC026	09	09	05	23
Kiran Kumar D	1SG18EC046	10	09	05	24


Signature of the Guide
Prof. Suma C


Signature of the HOD
Dr. H.C. Sateesh Kumar

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2020-2021

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI - 590 018



A Mini Project report
On



**Intruder security alarm
using Laser and Transistor**


Submitted during Semester 'V'

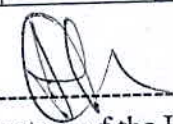
BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. Agalya P
Associate professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
R Divya	1SG18EC079	10	10	4	24
Shilpa A	1SG18EC095	10	10	4	24
Preksha Prakash	1SG18EC077	10	10	4	24


Signature of the Guide
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Signature of the HOD
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On

Bluetooth Controlled Car using Arduino Uno



Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Ravishankara. M. N
Asst. Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Nikhil Umapati	1SG18EC062	10	10	04	24 25
Prateek. J. H	1SG18EC074	10	10	04	
Tarun Kumar G	1SG18EC105	10	10	04	

Signature of the Guide
Ravi Shankara. M. N

Signature of the HOD
Dr. H.C. Sateesh Kumar

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Bengaluru- 560057

A Project report

On

Digital Voltmeter Using Arduino

Submitted

during V Semester of

Electronics and Communication Engineering

for the academic year

2020-21

Under the guidance of

Prof. Ravishankar M N

Associate Professor

Submitted by

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total
Deepak G Krishnan	1SG18EC404	10	10	04	24
Santhosh G	1SG18EC413	10	10	04	24
Theertha Prasad T	1SG18EC415	10	10	04	24
Ranbir kumar singh	1SG16EC087	10	10	04	24

Signature of the Guide
Prof. Ravishankar M N

Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057

Signature of the HOD
Dr. H.C. Sateesh Kumar

Title of the Project :- DIGITAL VOLTMETER USING ARDUINO



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(Affiliated to Visvesvaraya Technological University and Approved by All India Council for Technical Education)

Bengaluru 560057

A Project Report

On

Video Surveillance Robot

Submitted

during 5th Semester of

Electronics and Communication Engineering

for the academic year

2020-21


Submitted by

Under the guidance of

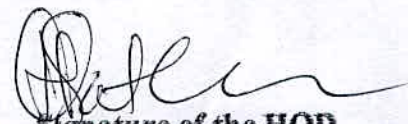
Prof.Shobha S

Associate Professor

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total(25)
Yashwanth Kumar M	1SG19EC418	10	10	5	25
Harshavardhan K V	1SG19EC408	10	10	5	25
Darshan Gowda S	1SG19EC404	10	10	5	25


Signature of the guide
Prof.Shobha S


Principal
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Dr. H.C. Sateesh Kumar



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Bengaluru 560057

A Project Report

On

Laser Security Alarm Circuit

Submitted

during 5th Semester of

Electronics and Communication Engineering

for the academic year

2020-21


Submitted by

Under the guidance of

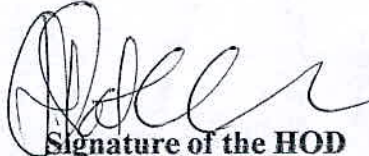
Prof. Shobha S

Associate Professor

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total(25)
DEEPAK N	1SG19EC405	10	10	05	25
IMDAD HUSSAIN	1SG19EC409	10	10	05	25
NAVEEN H R	1SG19EC412	10	10	05	25


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A Mini Project report
On

Persistent of display Display

Submitted During V Semester



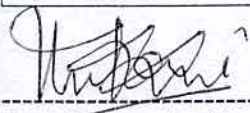
BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING**

under the guidance of

Guide Name :Dr.Vijaykumar Kulkarni

Designation:Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Saikrishna M	1SG18EC085	10	9	5	24
Prajwal J Badiger	1SG18EC070	10	9	5	24
Pramodh N	1SG18EC073	10	9	5	24


Signature of the Guide
Guide Name

Signature of the HOD
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A Mini Project report
On

Aquarium Control System




Submitted During V Semester

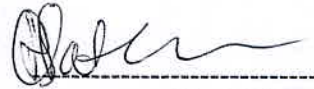
BACHELOR OF ENGINEERING in **ELECTRONICS & COMMUNICATION ENGINEERING**

under the guidance of

Dr. Vijaykumar kulkarni
Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Asha E	1SG18EC402	10	9	5	24
Punyashree G	1SG18EC412	10	9	5	24
Vinay R	1SG17EC424	10	9	5	24


Signature of the Guide
Dr. Vijaykumar kulkarni


Signature of the HOD
Dr. H.C. Sateesh Kumar

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On



ELECTRONIC VOTING MACHINE USING ARDUINO


Submitted During 5th Semester


BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

PROF. KAVITHA R J
ASSISTANT PROFESSOR

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
SHASHANK DR	1SG18EC093	09	10	04	23
VISHAL N	1SG18EC120	09	10	04	23
SHARATH KUMAR BG	1SG18EC092	09	10	04	23


Signature of the Guide
PROF. Kavitha RJ


Signature of the HOD
Dr. H.C. Sateesh Kumar

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A Mini Project report
On



CONTROL OF RGB LEDS USING 74HC595 AND ARDUINO UNO

Submitted During V Semester


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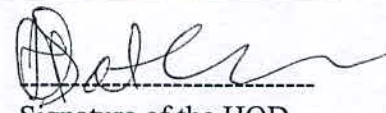
under the guidance of

PROF. PRATHIBHA. P

Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
THEJAS S	1SG18EC106	9	9	4	22
SAMARTH K	1SG18EC087	9	9	4	22
SHREYAS S	1SG18EC100	9	9	4	22


Signature of the Guide
Prof. Prathibha. P


Signature of the HOD
Dr. H.C. Sateesh Kumar

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sapthagiri College of Engineering,

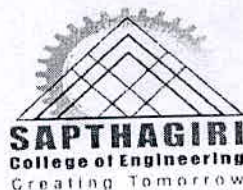
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2020-2021


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(Affiliated to Visvesvaraya Technological University and Approved by All India Council for Technical Education)

Bengaluru 560057

A Project Report

On

DC Motor Speed Control by Varying PWM Duty Cycle

Submitted

during 5th Semester of

Electronics and Communication Engineering

for the academic year

2020-21

Submitted by

Under the guidance of

Prof. Prathibha. P

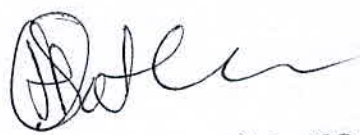
Assistant Professor

Dept of ECE, SCE

Name	USN	Creativity(10)	Implementation(10)	Report(05)	Total(25)
ASHA K R	ISG19EC401	9	10	5	24
BINDUSHREE M G	ISG19EC402	9	10	5	24
CHAITHANYA D R	ISG19EC403	9	10	5	24

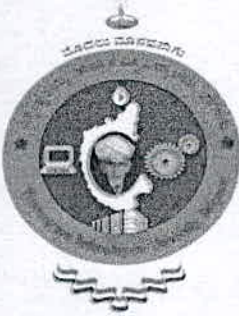
Signature of the guide
Prof. Prathibha. P


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Signature of the HOD
Dr. H.C. Sateesh Kumar
Head of the Department
Electronics & Communication
Sapthagiri College of Engineering
Bangaluru - 560 057

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018



A Mini Project report
On



AUTOMATIC FLUID DISPENSER

Submitted During V Semester

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

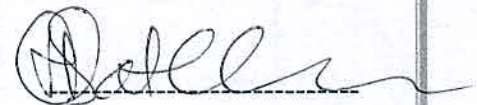
under the guidance of

PROF. PADMAVATHI C
ASSISTANT PROFESSOR

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
VARUN L	1SG18EC113	10	10	05	25
RESHMA S HEGDE	1SG18EC083	10	10	05	25
VINAY HS	1SG18EC117	10	10	05	25



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PROF. PADMAVATHI C



Signature of the HOD
Dr. H.C. SATEESH KUMAR

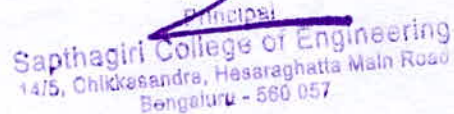
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A Mini Project report
On

Ultrasonic Obstacle Detector using 555 timer



Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

Prof. Suma C
Asst. Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
R. Nitish	1SG18EC065	10	08	05	23
Harsha R L	1SG17EC117	10	08	05	23
Ujwal S	1SG18EC107	10	08	05	23

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A Mini Project report
On



MUSIC RHYTHM LED FLASHLIGHT

Submitted During V Semester

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under the guidance of

Prof. SUMA C
Assisstant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
UME E SAFA	1SG18EC109	10	10	05	25
VANDANA G	1SG18EC111	10	10	05	25
VARSHINI R	1SG18EC111	10	10	05	25

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Signature of the HOD
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A Mini Project report
On

FIRE ALARM CIRCUIT



Submitted During V Semester

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under the guidance of

Prof. Padmavathi C

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Ranganth M	1SG19EC415	10	10	05	25
Yogeesh Y R	1SG18EC122	10	10	05	25
Doreswamy V B	1SG19EC407	10	10	05	25

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A Mini Project report On Touchless Door Bell



Submitted During V Semester

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Under the guidance of

MADHU H.M

Asst. Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Premasagar B L	1SG18EC078	09	10	05	24
Rakshith G S	1SG18EC080	09	09	05	23
Vikas B S	1SG18EC116	09	10	05	24

Madhu H.M

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Madhu H.M

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A Mini Project report
On

Rain Alarm Circuit Using 555 Timer



Submitted During V Semester

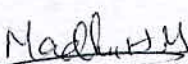
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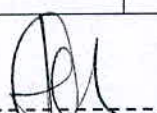
under the guidance of

Prof. Madhu H M

Assistant Professor

Student Name	USN	Creativity (10)	Implementation (10)	Report (05)	Total (25)
Parvathy. R	1SG18EC066	09	10	5	24
Samreen Kausar	1SG18EC088	09	10	5	24


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A Mini Project report
On



BISTABLE MULTIVIBRATOR

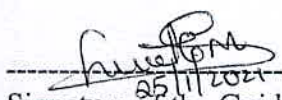
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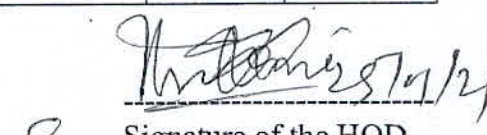
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under the guidance of

PROF. SHWETHA M
Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
RAKSHITHA S ACHARYA	1SG18EC082	10	10	05	25
SUMA G	1SG18EC103	10	10	05	25
VIDYA K N	1SG18EC115	10	10	05	25


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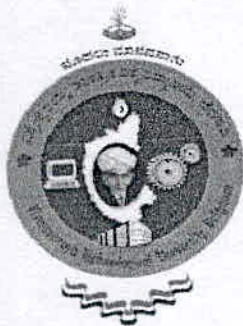
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A Mini Project report
On
**HOME AUTOMATION
USING ESP8266**




Submitted During V Semester

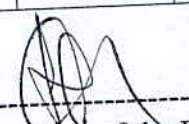
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ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of
Prof. Shwetha M

Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Selva Kumar B	1SG18EC090	10	10	05	25
Sharath K V	1SG18EC091	10	10	05	25
Shiva Kumar S	1SG18EC097	10	10	05	25


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A Mini Project report
On

BIDIRECTIONAL VISITOR COUNTER USING ARDUINO UNO




Submitted During V Semester


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under the guidance of

PROF.VEENA N
ASSISTANT PROFESSOR

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
SHRADDHA VARIJAKSHA	1SG18EC098	9	9+1	4+1	24
SHILPASHREE S R	1SG18EC096	9	9+1	4+1	24
POOJA G D	1SG18EC068	9	9+1	4+1	24


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A Project report

on

IR BASED WIRELESS AUDIO TRANSMITTER & RECEIVER

Submitted

during 5th Semester of

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for the academic year

2020-21

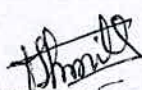
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Under the guidance of


Prof. RASHMI.B.J

Assistant Prof.

Name	USN	Creativity(10)	Implementation(10)	Report(5)	Total
RAKSHITH.D	1SG19EC414	10	10	5	25
NIKHIL.M.KUMAR	1SG18EC061	10	10	5	25
SHASHANK.S	1SG18EC094	10	10	5	25


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A Mini Project report On TOUCH SENSOR USING 555 TIMER



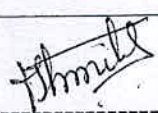
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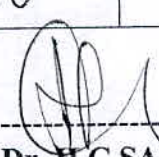
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under the guidance of
Prof. RASHMI B J

Assistant Professor

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
Pavan kumar GV	1SG18EC067	9	10	05	24
Praveen N	1SG18EC076	9	10	05	24


Prof. RASHMI B J
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A Project report
On
BRAKE FAILURE INDICATOR

Submitted
during V Semester of
Electronics and Communication Engineering
for the academic year
2020-21

Under the guidance of
Prof. Padmavathi C
Assistant Professor

Submitted by

Name	USN	Creativity	Implementation	Report	Total
Prajwal P	1SG18EC071	10	10	04	24
Sakshi Pai B	1SG18EC086	10	10	04	24

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A Mini Project report
On



Touch Sensor using 555 timers

Submitted During V Semester

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

under the guidance of

PROF. MADHU HM
ASSISTANT PROFESSOR

Student Name	USN	Creativity (10)	Implement ation (10)	Report (05)	Total (25)
NITHIN RS	1SG18EC063	09	09	05	23
ULLAS HP	1SG18EC108	09	09	05	23

Madhu HM

Signature of the Guide
PROF. MADHU HM

H.C. Sateesh Kumar

Signature of the HOD
Dr. H.C. Sateesh Kumar

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