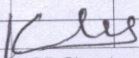## SAPTHAGIRI COLLEGE OF ENGINEERING
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Web: www.sapthagiri.edu.in, Email: principal@sapthagiri.edu.in
Phone:080-28 372800/1/2 Fax: 080-28 372797
Department of Computer Science & Engineering (accredited by NBA)

Sl. No.	USN	BATCH	Name of the Student	TITLE OF MINI PROJECT	Guide	Sign
1	1SG20CS013	1	Archana S	Soil Moisture Testing System	Prof. Akshatha Kamath	
2	1SG20CS012		Archana G			
3	1SG20CS014		Arpitha M N			
4	1SG20CS063		N Pandurange Gowd			
5	1SG20CS111	2	Vindhya G	Health monitoring system		
6	1SG20CS067		Nikshitha K			
7	1SG20CS057		Kruthi S			
8	1SG21CS406	3	KS Tanmayi	Clap control Home automation		
9	1SG21CS409		Manisha k			
10	1SG21CS412		Nischitha BG			
11	1SG21CS413		Rachana N B			
12	1SG20CS028	4	Deepthi S	Smoke Detector		
13	1SG20CS044		Harshitha J			
14	1SG20CS045		Hithaishi S			
15	1SG20CS035		Dyuthi A. I			
16	1SG20CS081	5	Praveen kumar	Real Time chatting website		
17	1SG20CS083		Punith			
18	1SG20CS105		Suryakant			
19	1SG20CS099		Shivu Roopesh. M			
20	1SG20CS107	6	Ujwal Gowda . V	Shopping website		
21	1SG21CS400	7	Aishwarya S	Restaurant billing system		
22	1SG21CS407		Karan S Naidu			
23	1SG21CS405		Kiran Kumar k			
24	1SG20CS016	8	Arya Sinha	Resume Builder		
25	1SG20CS030		Deepti Kulkarni			
26	1SG20CS018		Aveek Chakraborty			
27	1SG20CS049		Jishnu J			
28	1SG20CS078	9	Prakhar Suraj	agriculture management system	Prof. Divyamani M K	
29	1SG20CS110		Vidish Gupta			
30	1SG20CS065		Navneet Naman			
31	1SG20CS088	10	S.Mehak Afreen	tour and travel website		
32	1SG20CS079		Pramit Kumar Mandal			
33	1SG20CS101		Shreya Shetty			
34	1SG20CS076		Poornima T			
35	1SG20CS047	11	Hruthkarsha D S	Distance detector.		
36	1SG20CS059		Kumudha H I			
37	1SG20CS023		Chaitra D			
38	1SG20CS053	12	Kavya S	Attendance system using RFID technology		
39	1SG20CS054		Keerthana S			
40	1SG20CS041		H N Nithyasree			
41	1SG20CS061		Manasa K G			
42	1SG20CS025	13	Chandana DS	Sorting visualiser		
43	1SG20CS011		Apoorva V			
44	1SG20CS034		Divya N			
45	1SG20CS005		Aishwarya Lakshmi			
46	1SG20CS026	14	Chandana v	Doctor appointment System		
47	1SG20CS055		Khushi Shekhar			
48	1SG20CS022		Bhoomika D K			
49	1SG21CS415	15	Tejaswini M	Credit Card Fraud Detection		
50	1SG21CS414		Sagar T			
51	1SG21CS417		Yashaswini P reddy			
52	1SG21CS416		Triveni BG			
53	1SG21CS410	16	Manoj S	Crime Control System		
54	1SG21CS411		Maruthi			
55	1SG20CS050	17	Jyothi N	Currency Converter		
56	1SG20CS024		Chandan c s			

57	1SG21CS404		Jaswanth Aradhya S			
58	1SG21CS403	18	H V Manoj Kumar	Fire Alarm System		
59	1SG21CS402		Dushyanth G			
60	1SG21CS401		Dhanush Y T			
61	1SG20CS075		Pavithra H			
62	1SG20CS097	19	Shilpa Biradar	Car parking system		
63	1SG20CS108		Vandana M S			
64	1SG20CS109		Varshitha C			
65	1SG20CS058		Kumar swamy B U			
66	1SG20CS074	20	Pavithra B L	Gesture - based smart switch		
67	1SG20CS077		Pradeep kumar S			
68	1SG20CS093		Sangeetha J		Prof. Madhushree	
69	1SG20CS080		Pramod Kumar S J			
70	1SG20CS112	21	Vipin k S	Face Mask Detection		
71	1SG20CS113		Vishwas H R			
71	1SG20CS033		Divya B S			
72	1SG20CS015	22	Arpitha R	Iot based restaurant menu ordering system		
73	1SG20CS098		Shilpa G P			
74	1SG21CS408		Kavana V			
75	1SG20CS089		S Vinod Kumar			
76	1SG20CS064	23	Nagaraju K	Gaming software in java		
77	1SG20CS072		Pavan Kumar P			
78	1SG20CS073		pavan r			
79	1SG20CS062		Monisha ps			
80	1SG20CS115	24	Nisarga S	weather controlled music player		
81	1SG20CS070		Nuhushan Shareef S			
82	1SG20CS102		Sneha s			
83	1SG20CS095		Sharath.Y.P			
84	1SG20CS085	25	Rakshith.G.C	Ultrasonic Distance Dector		
85	1SG20CS103		Sukhpreet Singh			
86	1SG20CS091		Sahana N			
87	1SG20CS029	26	Deepthi S hegde	anti sleep alarm		
88	1SG20CS068		Nisarga S			
89	1SG20CS042		Harsh Kumar			
90	1SG20CS004	27	Aditya Singh	speech-to-text		
91	1SG20CS007		Akash Pujari			
92	1SG20CS086		Rishav Anand			
93	1SG20CS006	28	Aishwarya Singh	BITFLIX	Prof. Anuradha Badage	
94	1SG20CS087		Ritik Raj			
95	1SG20CS056		Kishan kumar			
96	1SG20CS039	29	Gaurav Singh	Student Data system		
97	1SG20CS019		Badal kumar			
98	1SG20CS001		Abhishek G B			
99	1SG20CS002	30	Abhishek K J	Bank management System		
100	1SG20CS032		Dhanraj p			
101	1SG20CS037		Ganesh H P			
102	1SG20CS096		Shashank P			
103	1SG20CS103	31	Sreekar N	OOC based 2d fighter webgame		
104	1SG20CS046		Hriday Thapa			
105	1SG20CS038		Ganesha S			
106	1SG20CS082		Preetham S G			
107	1SG20CS094	32	SanthoshD	voice assistant		
108	1SG20CS100		Shravan L			
109	1SG20CS114		Vivan Kushal			
110	1SG20CS031		Devadutta B R			
111	1SG20CS021	33	Bhaskar P	ATM interface		
112	1SG20CS027		Chandu T R			
113	1SG20CS051		Saravanan K		Dr. Praveen Kumar K V	
114	1SG20CS071		Monika Panchal			
115	1SG20CS092	34	Sakshee Singh	Voting platform		
116	1SG20CS040		Gaurav Yadav			
117	1SG20CS106		Tsewang Choskit			
118	1SG20CS052		kaviraj .j			
119	1SG20CS060	35	likhith	Game Development of Supermario in Java		
120	1SG20CS008		Akshay Kumar Joshi			
121	1SG20CS010		Anstin George			

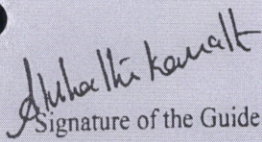|						
118	1SG20CS052			kaviraj .j		Dr. Praveen Kumar K V
119	1SG20CS060		35	likhith	Game Development of Supermario in Java	
120	1SG20CS008			Akshay Kumar Joshi		
121	1SG20CS010			Anstin George		
122	1SG20CS003			Aditya adiga. k	distance measure by ultrasonic sensor	
123	1SG20CS043		36	Harsha.N		
124	1SG20CS020			Bharath Gowda		
125	1SG20CS066			Naweel Manjoor	Smart Music Player Based on Emotion Reconition from Facial Expression	
126	1SG20CS069			Nishant P Chouhan		
127	1SG20CS084		37	Pushpender Kumar		
129						
130	1SG20CS008			Akshay Kumar Joshi	Plaggiarism Checker	
131	1SG20CS010			Anstin George		
132			38			
						HOD Signature
						Dr Kmalakshi Naganna

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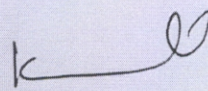#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "Soil Moisture Testing System " carried out by Archana S (1SG20CS013) Archana G (1SG20CS012), Arpitha M N (1SG20CS014), N Pandurange Gowd(1SG20CS063),   bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof.ANURADHA BADAGE
Assistant Professor

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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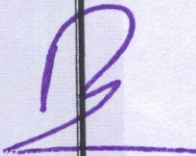
CERTIFICATE

This is to certify that the Mini Project Work entitled "Patient Health Monitoring System" carried out by Vindhya G (1SG20C111), Kruthi S (1SG20CS057) & Nikshitha K (1SG20CS067), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said degree.

Signature of the Guide

Prof. Akshatha Kamath

Assistant Professor

Signature of the HOD
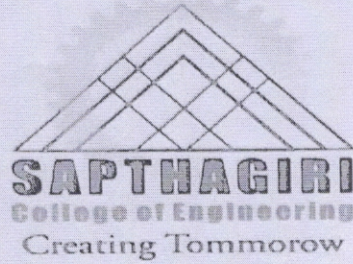
Dr. Kamalakshi Naganna

Professor & Head

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

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2022-2023

SAPTHAGIRI
College of Engineering
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Department of Computer Science and Engineering

Certificate:

Certified that the Mini Project Work entitled **"Clap Control Home Automation"** carried out by **Manisha.K (1SG21CS409)**, **Rachana.N.B (1SG21CS413)**, **KS Tanmayi (1SG21CS406)**, **Nischitha .B .G (1SG21CS412)**, bonafide students of **Sapthagiri College of Engineering,** in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-22.It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide

Prof. Akshatha Kamath
Assistant Professor

Signature of HoD

Dr.Kamalakshi Naganna
Professor & Head

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

2

Department Of Computer Science

CERTIFICATE

Certificate that the Mini Project work entitled "SMOKE DETECTOR" carried out by Deepthi.S (1SG20CS028), Dyuthi.A.I (1SG20CS035), Harshitha.J (1SG20CS044), Hithaishi.S (1SG20CS045) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technology University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide:
Prof. Akshatha Kamath
Assistant professor

Signature of the HOD:
Dr. Kamalakshi Naganna
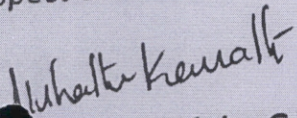Professor & Head

Principal
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Certificate

Certified that the mini project work entitled **"REAL TIME CHATTING WEBSITE"** carried out by Shivu Roopesh.M(1SG20CS099), Suryakant(1SG20CS105), Praveen Kumar(1SG20CS081), Punith(1SG20CS083) bonified students of Sapthagiri college of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of mini-project for the said degree.

Signature of the Guide

Prof. Akshatha Kamath

Assistant Professor

Signature of the HOD

Dr.Kamalakshi Naganna

Professor and Head

Principal
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14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

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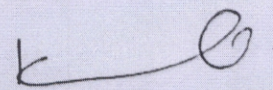NAAC Accredited with A Grade, NBA accredited

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Certificate

Certified that the mini project work entitled **"SHOPPING WEBSITE"** carried out by Ujwal Gowda.V(1SG20CS107) bonified students of Sapthagiri college of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of mini-project for the said degree.

Signature of the Guide

Signature of the HOD

Prof. Akshatha Kamath

Assistant Professor

Dr.Kamalakshi Naganna

Professor and Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road

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SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "RESTAURANT BILLING SYSTEM" carried out by

ESHWARYA.S, KARAN.S.NAIDU KIRAN KUMAR, bonafide students of Sapthagiri College of

Engineering, in partialfulfillment for the award of Bachelor of Engineering degree in Computer Science and

Engineering of Visveshvaraya Technological University, Belagavi during the academic year 2021-22. It is

certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report

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requirements in respect of Mini Project prescribed for the said Degree.

Signature of the GUIDE
Prof.Akshatha Kamath
Assistant Professor

Signature of the HOD
DR.KamalakshiNaganna
Professor & Head

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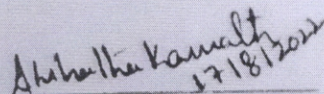14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

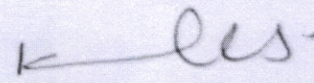# SAPTHAGIRI COLLEGE OF ENGINEERING
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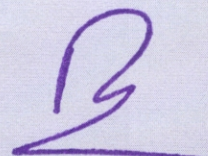#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057

Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "Resume Builder in Java" carried out by Arya Sinha (1SG20CS016), Aveek Chakraborty (1SG19CS018), Deepti Kulkarni (1SG20CS030), Jishnu Jayadevan (1SG20CS049) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Akshatha Kamath
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

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Bengaluru - 560 057

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Department of Computer Science and Engineering

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Certificate

Certified that the Mini Project Work entitled "AGRICULTURE MANAGEMENTSYS
carried out by VIDISH GUPTA (1SG20CS110) & HOYSH
SURAJ(1SG20CS078),NAVNEET NAMAN(1SG20CS06I) bonafide students of Sapth
College of Engineering, in partial fulfilment for the award of Bachelor of Engineering degr
Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during
the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal
Assessment have been incorporated in the report deposited in the department library. The mini
project report has been approved as it satisfies the academic requirements in respect of Mini
Project prescribed for the said Degree.

Du 2/9/2022

Signature of the Guide

Signature of the HOD

Prof.Divyamani MK
Assistant Professor

DR. KamalakshiNaganna
Professor& Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra. H.
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Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled " TOUR AND TRAVEL MANAGEMENT " carried out by POORNIMA T (1SG20CS076), PRAMIT KUMAR MANDAL (1SG20CS079), S MEHAK AFREEN (1SG20CS088), SHREYA SHETTY (1SG20CS101) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

2/9/2022

Signature of the Guide
Divyamani M K
Assistant Professor

Signature of the HOD
DR. Kamalakshi Naganna
Professor & Head

Principal
Sapthagiri College of Engineering
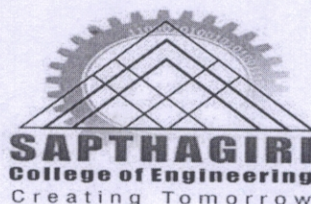14/5, Chikkasandra, Hesara...
Bengaluru - ...

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Department of Computer Science and Engineering

CERTIFICATE

Certified that the Mini Project Work entitled DISTANCE DETECTOR carried out by HRUTHKARSHA D S(1SG20CS047), CHAITRA D(1SG20CS023), KUMUDHA H I(1SG20CS059) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. DIVYAMANI M K
Assistant Professor

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head of CSE
Department

Principal
Sapthagiri College of Engineering
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Bengaluru -

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Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "Attendance system using RFID technology " carried out by Kavya S (1SG20CS053) Keerthana S (1SG20CS054), H N Nithyasree (1SG20CS041), Manasa K G (1SG20CS061), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Divyamani M K
Assistant Professor

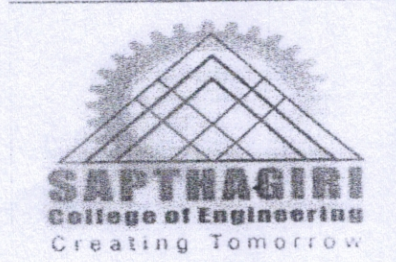Signature of the HOD Prof.
DR. KAMALAKSHI NAGANNA
Professor & Head

SAPTHAGIRI COLLEGE OF ENGINEERING

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2021-2022

Department of Computer Science and Engineering
ACCREDITED BY NBA

CERTIFICATE

This is to certify that the Mini project work entitled " **Sorting algorithm visualizer**" carried out

by Aishwarya Lakshmi R (1SG20CS005), Apoorva V (1SG20CS011), Chandana DS

(1SG20CS025) and Divya N (1SG20CS034) bonafide students of Sapthagiri college of

Engineering, in partial fulfilment for the reward of Bachelor of Engineering degree in Computer

Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic

year 2021-22. The mini-project report has been approved as it satisfies the academic requirements

in respect of Mini Project prescribed for the said degree.

Signature of the Guide
Prof. Divyamani M K
Assistant Professor

Signature of the HOD
Dr.KamalakshiNaganna
Professor & Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra
B.

SAPTHAGIRI COLLEGE OF ENGINEERING

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NAAC Accredited with A Grade, NBA accredited
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that the Mini Project Work entitled "Doctor appointment System" carried out by **KhushiShekhar TC(1SG20CS055), Chandana V (1SG20CS026) &Bhoomika DK(1SG20CS022)** Bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University Belagavi during the academic year 2021-22. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said degree.

Dℳ2/9/2022

Signature of the Guide

Prof. Divyamani M.K

Assistant professor

Signature of the HOD

Dr. KamalakshiNaganna

Professor& Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta
Bengaluru - 557

Department of Computer Science and Engineering

CERTIFICATE

Certified that the Mini Project Work entitled "CREDIT CARD FRAUD DETECTION SYSTEM" carried out by SAGAR T(1SG21CS414), TEJASWINI M(1SG21CS415), YASHASWINI P REDDY(1SG21CS417) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.
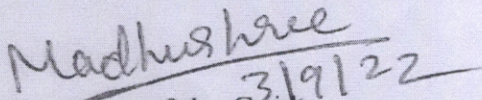
D 21/9/2022

Signature of the Guide
Prof. DIVYAMANI M K
Assistant Professor

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head of CSE
Department

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

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "Crime Control System " carried out by Manoj S (1SG21CS410) Maruthi (1SG20CS411), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

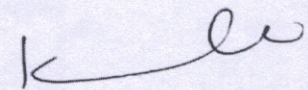Signature of the Guide
Prof. Divyamani M K
Assistant Professor

Signature of the HOD Prof.
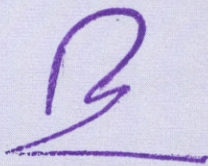DR. KAMALAKSHI NAGANNA
Professor & Head

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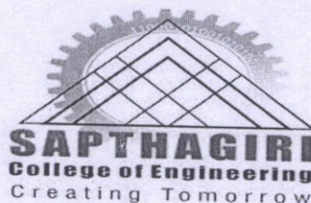14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Certificate

Certified that the Mini Project Work entitled "Currency Converter" carried out by JYOTHI N(1SG20CS050) & CHANDAN C S(1SG20CS024), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The miniproject report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Madhushree
3|9|22

Signature of the Guide
Prof. Madhushree
Assistant Professor

Signature of the HOD
Dr. KamalakshiNaganna
Professor & Head

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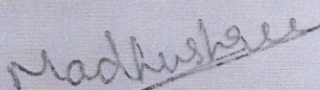14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "Fire Alarm System " carried out by Jaswanth Aradhya S (1SG21CS404) H V Manoj Kumar (1SG21CS403), Dushyanth G (1SG21CS402), Dhanush Y T (1SG21CS401), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Madhushree
Assistant Professor

Signature of the HOD Prof.
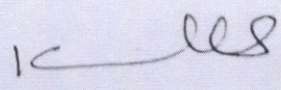DR. KAMALAKSHI NAGANNA
Professor & Head
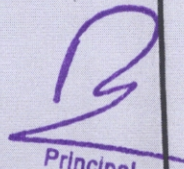
Department of Computer Science and Engineering

Certificate

Certified that the Mini Project work entitled "SMART PARKING SYSTEM" carried out by PAVITHRA.H(1SG20CS075),SHILPA BIRADAR(1SG20CS097),VANDANA.MS(1SG20CS108)&VARSHIT A.C(1SG20CS109) bonafide students degree of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of IOT Laboratary with mini project prescribed for the said Degree.

03|09|2022

Signature of the Guide
Mrs. Madhu Shree
Assistant Professor

Signature of the HOD
Dr.Kamalakshi Naganna
Professor &Head

Principal
Sapthagiri College of Engineering
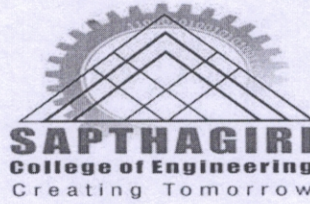14/5, Chikkasandra, Hesaraghatta Main Road
Bangaluru - 560057

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SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "SMART SWITCH USING IoT" carried out by Kumar Swamy B U(1SG20CS058), Pavithra B L(1SG20CS074), Pradeepkumar S(1SG20CS077) & Sangeetha J(1SG20CS093) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide

Prof.Madhushree
Assistant Professor

Signature of the HOD

Dr.KamalakshiNaganna
Professor & Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Ben

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Certificate

Certified that the Mini Project Work entitled "Face Mask Detection " carried out by Pramod Kumar S J (1SG20CS080) Vipin k S (1SG20CS112), Vishwas H R (1SG20CS113), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide

Prof. Madhushree

Assistant Professor

Signature of the HOD Prof.

DR. KAMALAKSHI NAGANNA

Professor & Head

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

Department of Computer Science and Engineering

CERTIFICATE

Certified that the Mini Project Work entitled "IOT BASED RESTAURANT MENU ORDERING SYSTEM" carried out by ARPITHA R(1SG20CS015), DIVYA B S(1SG20CS033), SHILPA G P(1SG20CS098),KAVANA V(1SG21CS408) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. MADHUSHREE
Assistant Professor
CSE Department

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head of CSE
Department

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

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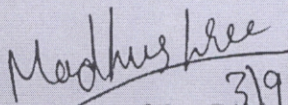IAO 9001:2015 &ISO 14001:2015 Certified Institute
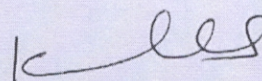
NAAC Accredited with A Grade , NBA accredited

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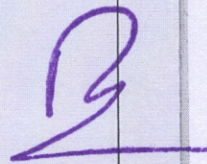
Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "GAMMING SOFTWARE IN JAVA" carried out by S VINODKUMAR (1SG20CS089), PAVAN R (1SG20CS073), PAVANKUMAR P(1SG20CS072) &NAGARAJU K (1SG20CS064) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide

Prof.Madushree.Ⓥ

Assistant Professor

Signature of the HOD

DR. KamalakshiNaganna

Professor & Head

Principal

Sapthagiri College of Engineering

14/5, Chikkasandra, Hesaraghatta Main Road

Bengaluru - 560 057

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NBA accredited
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Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "weather controlled music player " carried out by Monisha ps (1SG20CS062) Nisarga S (1SG20CS115), Nuhushan Shareef S (1SG20CS070), Sneha s(1SG20CS102) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Madhushree
Assistant Professor

Signature of the HOD.
DR. KAMALAKSHI NAGANNA
Professor & Head

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SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "Ultrasonic Distance Detector" carried out by, RAKSHITH G C (1SG20CS085), SHARATH Y P (1SG20CS095) & SUKHPREET SINGH (1SG20CS104) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Anuradha B
Assistant Professor

Signature of the HODr.
Dr. Kamalakshi Naganna
Professor & Head

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

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SAPTHAGIRI COLLEGE OF ENGINEERING

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IAO 9001:2015 &ISO 14001:2015 Certified Institute
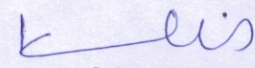NAAC Accredited with A Grade , NBA accredited
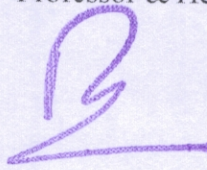#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled " ANTI SLEEP ALARM" carried out by NISARGA S (1SG20CS068) & DEEPTHI S HEGDE (1SG20CS029), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof.ANURADHA BADAGE
Assistant Professor

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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SAPTHAGIRI
College of Engineering

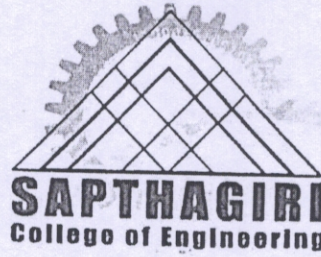# Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "SPEECH-TO-TEXT SYSTEM" carried out by Aditya Singh (1SG20CS004), Akash Pujari (1SG20CS007), Harsh Kumar (1SG20CS042) & Rishav Anand (1SG20CS086) bona fide students of Sapthagiri College of Engineering, in partial fulfilment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Anuradha Badage
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & HOD

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

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "BITFLIX" carried out by **AISHWARYA SINGH(1SG20CS006) & RITIK RAJ(1SG20CS087)**, bonafied students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of **Mini Project** prescribed for the said Degree.

Signature of the Guide
Prof. Anuradha B
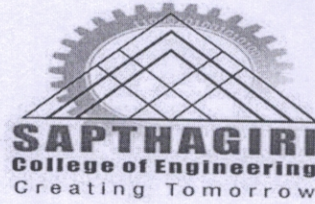Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "Student Data system " carried out by Kishan kumar (1SG20CS056) Gaurav Singh (1SG20CS039), Badal kumar (1SG20CS019), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Anuradha Badage
Assistant Professor

Signature of the HOD
DR. KAMALAKSHI NAGANNA
Professor & Head

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

SAPTHAGIRI COLLEGE OF ENGINEERING

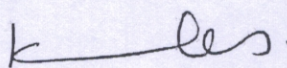(Affiliated to VTU, Belagavi& Approved by AICTE, New Delhi.)

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NAAC Accredited with A Grade , NBA accredited
#14/5, Chikkasandra, HesaraghattaMain Road, Bengaluru– 560 057

Department Of Computer Science

CERTIFICATE

Certificate that the Mini Project work entitled "BANK MANAGEMENT SYSTEM" carried out by Abhishek.G.B(1SG20CS001),Abhishek.K.J(1SG20CS002),Dhanraj.P(1SG20CS032),Ganesh.H.P(1SG20CS037) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technology University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide:
Prof. Anuradha Badage
Assistant professor

Signature of the HOD:
Dr. Kamalakshi Naganna
Professor & Head

Principal
Sapthagiri College of Engineering
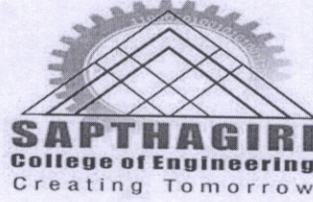14/5, Chikkasandra, Hesaraghatta Main Road
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Creating Tomorrow

Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "OOC based 2d fighter webgame " carried out by Shashank P (1SG20CS096) Sreekar N (1SG20CS103), Hriday Thapa (1SG20CS046), Ganesha S (1SG20CS038), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Anuradha Badage
Assistant Professor

Signature of the HOD Prof.
DR. KAMALAKSHI NAGANNA
Professor & Head

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

SAPTHAGIRI COLLEGE OF ENGINEERING

SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering
CERTIFICATE

This is to certify that the Mini project work entitled " **Voice Assistant using python**" carried out

by Preetham S G(1SG20CS082), Santhosh D (1SG20CS094),Shravan L (1SG20CS100), and

Vivan Kushal Henegere (1SG20CS114) bonafide students of Sapthagiri college of Engineering,

in partial fulfilment for the reward of Bachelor of Engineering degree in Computer Science and

Engineering of Visvesvaraya Technological University, Belagavi during the academic year

2021-22. The miniproject report has been approved as it satisfies the academic requirements in

respect of Mini Project prescribed for the said degree.

Dr. Kamalakshi Naganna

Signature of the Guide

Signature of the HOD

Dr.Praveenkumar KV

Professor

Professor& Head

SAPTHAGIRI COLLEGE OF ENGINEERING

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NAAC Accredited with A Grade, NBA accredited
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "ATM BANKING SYSTEM" carried out by BHASKAR.P(1SG20CS021), D E V A D U T T A . B R (1 S G 2 0 C S 0 3 1) , C H A N D U . T . R (1 S G 2 0 C S 0 2 7) & S A R A V A N A N .K(1SG20CS051),bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Dr.Praveen kumar K V
Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasan

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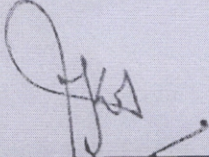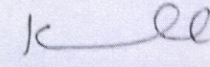
Certificate

This is to Certify that the Mini-Project work entitled **"Voting platform"** is a bonafide work carried out by **GAURAV YADAV, FAHAD MOHAMMED AND ATUL ANAND**, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Computer Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

(Prof. Dr. PRAVEEN KUMAR KV)
Guide

(Dr . KAMALAKSHMI NAGANNA)
HOD

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

SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering
Certificate

Certified that the Mini Project Work entitled "SUPER MARIO Game in Java" Carried out by BHARATH S GOWDA(1SG20CS020), JAYANTH M(1SG20CS048), KAVIRAJ J(1SG20CS052) & [...]ITH B(1SG20CS060),bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Dr.Praveen Kumar K V
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Roa[...]
Bengaluru - 560 057

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057

SAPTHAGIRI
College of Engineering

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "DISTANCE MEASURE BY ULTRASONIC SENSOR" carried out by ADITYA ADIGA.K (1SG20CS003) & HARSHA.N (1SG20CS043),bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof.Praveen kumar
Professor

Signature of the HOD
DR. KamalakshiNaganna
Professor & Head

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Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

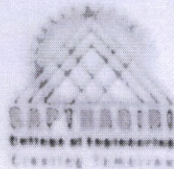(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited By NBA

CERTIFICATE

Certified that the Project work entitled **Smart Music Player Based on Emotion Recognition from Facial Expression(Emo Music Player)** carried out by bonafide students

of 4 semester, Naweel, Pushpender & Nishant Department of

Computer Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor Of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**
Dr. Praveen Kumar	Dr. Kamalakshi Naganna	Dr. H. Ramakrishna
Assistant Professor	Professor and Head	Principal

Principal
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