SAPTHAGIRI COLLEGE OF ENGINEERING

(Accredited by NAAC with "A" Grade)

(Accredited by NAAC with "A" Grade) (ISO 9001:2015 & ISO 14001:2015 Certified)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited by NBA

VIth SEM MAD MINI PROJECT LIST   Academic year-2022-

SL. NO.	USN	NAME	PROJECT TITLE
1	1SG20CS001	ABHISHEK G B	GST billing app
	1SG20CS002	ABHISHEK K J	
2	1SG20CS062	Monisha P S	Truth and dare app
	1SG20CS070	Nuhushan Shareef S	
3	1SG20CS079	Pramit Kumar Mandal	android sticky notes app
	1SG20CS086	Rishav Anand	
4	1SG20CS055	Khushi Shekhar T C	Meditation app
	1SG20CS022	Bhoomika D K	
5	1SG20CS005	Aishwarya Lakshmi R	Income tax and EMI calculator
	1SG20CS011	Apoorva V	
6	1SG20CS096	Shashank P	slide to glitch app
	1SG20CS104	Sukhpreet Singh	
7	1SG20CS050	Jyothi N	whatsapp status saver app
	1SG20CS047	Hruthkarsha D S	
8	1SG20CS015	Arpitha R	drawing app
	1SG20CS023	Chaitra D	
9	1SG20CS068	Nisarga S	Medicine remainder Android app
	1SG20CS076	Poornima T	
10	1SG20CS115	Nisarga S	Android sudoku app
	1SG20CS102	Sneha S	
11	1SG20CS061	Manasa K G	Flying fish game app
	1SG20CS067	Nikshitha K	
12	1SG20CS053	Kavya S	food recipe app
	1SG20CS054	Keerthana S	
13	1SG20CS033	Divya B S	CSE Question bank app
	1SG20CS041	H N Nithyasree	
14	1SG20CS091	Sahana N	media player application
	1SG20CS101	Shreya Shetty S	
15	1SG20CS014	Arpitha M N	Doctor appointment application
	1SG20CS012	Archana G	
16	1SG20CS013	Archana S	News Application
	1SG20CS059	Kumudha HI	
17	1SG21CS400	Aishwarya S	Baking app
	1SG21CS403	HV Manoj Kumar	
18	1SG20CS085	Rakshith G C	pincode generator app
	1SG20CS095	Sharath Y P	
19	1SG20CS108	Vandana M S	vehicle parking app
	1SG20CS109	Varshitha C	
20	1SG21CS409	Manisha K	Android Weather App
	1SG21CS413	Rachana N B	
21	1SG20CS074	Pavithra BL	Binary to decimal calculator
	1SG20CS075	Pavithra H	
22	1SG21CS408	Kavana v	Flappy bird master
	1SG21CS406	KS Tanmayi	
23	1SG20CS003	Aditya Adiga K	Chatgpt application
	1SG19CS067	Naveen Kumar M	
24	1SG20CS097	Shilpa Biradar	Android text encryption using various algorithm
	1SG20CS111	Vindhya G	
25	1SG20CS044	Harshitha J	BMI calculator app
	1SG20CS045	Hithaishi S	
26	1SG20CS028	Deepthi S	Android Unit Convertor
	1SG20CS029	Deepthi S Hegde	
27	1SG20CS098	Shilpa G P	snake game
	1SG20CS093	Sangeetha J	
28	1SG20CS057	Kruthi.S	Piano App in Android studio
	1SG20CS035	Dyuthi A. I	
29	1SG20CS039	Gaurav Singh	Live tv streaming app
	1SG20CS019	Badal kumar	
	1SG20CS026	Chandana V	

	USN	Name	Project Title	
30	1SG20CS034	Divya N	Online food ordering app	
	1SG20CS072	Pavan Kumar P		
31	1SG20CS112	Vipin K S	Pinball game application	
	1SG21CS407	Karan.S.Naidu		
32	1SG21CS405	Kiran Kumar	Countdown timer app	
	1SG20CS073	Pavan.R		
33	1SG20CS089	S.Vinod Kumar	Android first aid application	
	1SG20CS063	N.PanduRange Gowd		
34	1SG20CS065	Navneet Naman	Car racing game	
	1SG20CS064	Nagaraju k		
35	1SG20CS077	Pradeep Kumar	video editor app	
	1SG20CS020	Bharath Gowda s		
36	1SG20CS009	Ankush Gowda R	WOMEN SAFTEY APPLICATION	
	1SG21CS402	Dushyanth G		
37	1SG20CS052	Kaviraj	Attendance Monitoring app	
	1SG21CS404	Jaswanth Aradhya S		
38	1SG21CS401	Dhanush Y T	LUDO game	
	1SG20CS037	Ganesh H P		
39	1SG20CS031	Devadutta B R	Simple math quiz application	
	1SG20CS021	Bhaskar P		
40	1SG20CS027	Chandu T R	Binary to decimal converter	
	1SG20CS082	Preetham S G		
41	1SG20CS100	Shravan L	expense tracker application	
	1SG20CS032	Dhanraj P		
42	1SG20CS024	Chandan C S	Voice recorder and player app	
	1SG20CS094	Santhosh D		
43	1SG20CS114	Vivan Kushal	Ahaar food donation application	
	1SG20CS058	Kumarswamy B U		
44	1SG20CS080	Pramod Kumar S J	Android Healthcare Application	
	1SG20CS008	Akshay Kumar Joshi		
45	1SG20CS010	Anstin George	Save the bunny game app	
	1SG20CS048	Jayanth M		
46	1SG20CS051	K Saravanan	Tic tac toe game application	
	1SG20CS083	Punith.S		
47	1SG20CS081	Praveen Kumar N	Morse code generation app	
	1SG20CS078	Prakhar Suraj		
48	1SG20CS110	Vidish Gupta	3D Candy crush game	
	1SG20CS088	S.Mehak Afreen		
49	1SG20CS092	Sakshee Singh	Date of birth calculator	
	1SG20CS105	Suryakant		
50	1SG20CS107	Ujwal Gowda.V	Candy crush application	
	1SG20CS087	Ritik Raj		
51	1SG21CS412	Nischitha BG	Music player application	
	1SG20CS099	Shivuroopesh M		
52	1SG20CS113	Vishwas H R	Chatting app	
	1SG21CS415	Tejaswini M		
53	1SG19CS407	Sandhya M	Pack your bag Application	
	1SG20CS030	Deepti Kulkarni		
54	1SG20CS049	Jishnu Jayadevan	COVID 19 tracker application	
	1sg21cs414	Sagar T		
55	1sg21cs410	Manoj N	File application	
	1SG20CS007	Akash pujari		
56	1SG20CS004	Aditya Singh	clipboard app	
	1SG20CS066	Naweel Manjoor		
57	1SG20CS069	Nishant P Chouhan	android job portal	
	1SG20CS106	Tsewang Choskit		
58	1SG20CS071	Monika Panchal	Base-2 to base-10 & base-16 converter	
	1SG20CS016	Arya Sinha		
59	1SG20CS018	Aveek Chakraborty	Language learning application	
	1SG20CS006	Aishwarya Singh		
60	1SG20CS025	Chandana DS	Task manager system	
	1SG20CS036	Fahad Mohammed		
61	1SG20CS040	Gaurav Yadav	GPS Tracker	
	1SG21CS416	Triveni B G		
62	1SG21CS417	Yashaswini P Reddy	Android Tetris Game	
63	1SG20CS084	PUSHPENDER KUMAR	Portfolio and cv app	
	1SG20CS103	Sreekar N		

64	1SG20CS017	Atul Anand	simple alarm clock app		
65	1SG21CS411	Maruthi g	Asynchronous task		
	1SG20CS060	Likhith B			
66	1SG20CS046	Hriday Thapa	Breakout Ball game app		
	1SG20CS038	Ganesha S			
67	1SG20CS042	Harsh Kumar	memory game app		
	1SG20CS056	Kishan kumar			

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Department of Computer Science and Engineering
(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "GST Billing App" carriedout by ABHISHEK G B (1SG20CS001). ABHISHEK K J(1SG20CS002), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. DR. Sumanth. V

2. Vanitha G.P

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade, NBA accredited
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057
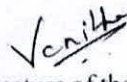
Department of Computer Science and Engineering
(Accredited by NBA)
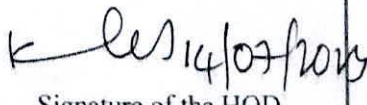
Certificate

This is to certify that the Mini Project Work entitled "Truth and Dare Game Application" carried out by MONISHA P S (1SG20CS062), NUHUSHAN SHAREEF S(1SG20CS070), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Madhushree   1. 17/7/23

2. Ranjan. G   2.

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 053

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
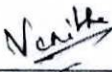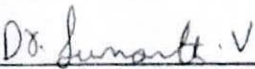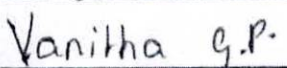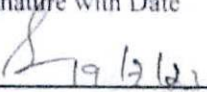Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the **Mini Project** Work entitled "Android Sticky Notes Application" carried out by RISHAV ANAND (1SG20CS086), PRAMIT KUMAR MANDAL(1SG20CS079), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
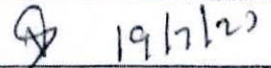
		14/07/2011
Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Ranju. G

17/7/23

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
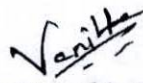#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Meditation Application" carried out by Bhoomika D K (1SG20CS022), Khushi Shekhar T C(1SG20CS055), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
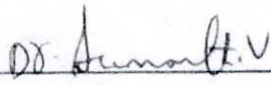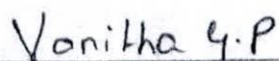
Signature of the Guide
Ms.Hemalatha K
Assistant Professor

Signature of the Guide
Mrs.Vanitha G P
Assistant Professor

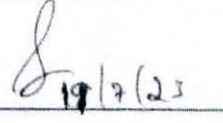Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Sumanth. V

2. Vanitha G.P.

Signature with Date

19/7/23

19/7/23

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560.057,

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with

A Grade, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

This is to certify that the mini project work entitled "Income tax and Emi Calculator" carried out by Aishwarya Lakshmi R(1SG20CS005) and Apoorva V(1SG20CS011), 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 2022-2023. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said degree.

Signature of the Guide   Signature of the Guide   Signature of the HOD

Prof. Hemalatha K   Prof. Vanitha G P   Dr. Kamalakshi Naganna

Assistant Professor   Assistant Professor   Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. DD Arun B.V   19/7/23

2. Vanitha G.P

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

(6)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "SlideToGlitch Application" carried out by SHASHANK P (1SG20CS096), SUKHPREET SINGH (1SG20CS104), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022- 2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Madhushree   19/7/23

2. Dr. Suma   18/7/9

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with "A" Grade
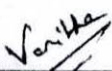#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "WhatsApp Status Saver application" carried out by HRETHIKARSHA D S (1SG20CS047), JYOTHI N (1SG20CS050), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
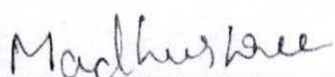
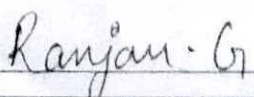Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
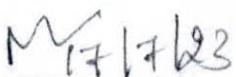Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Sumant. V

2. Vanitha G.P

Signature with Date

30/7/23

20/7/2)

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

⑧

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Drawing Application" carried out by Arpitha R(1SG20CS015), Chaitra D(1SG20CS023), 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- 2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. DO.Sumath.V

2. Vanitha G.P

19/7/23

19/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi

(ISO 9001-2015 & ISO14001-2015 Certified, Accredited by NAAC with „A" Grade)

#14/5, Chikkasandra, Hesarghatta Main Road,

Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Android Medicine Reminder App" carried out by NISARGA S (1SG20CS068), POORNIMA T (1SG20CS076), 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 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide Ms. Vanitha G P Assistant Professor	**Signature of the Guide** Ms. Hemalatha K Assistant Professor	**Signature of the HOD** Dr.Kamalakshi Naganna Professor & HOD

EXTERNAL EXAMINATION

Name of the Examiners

1. Madhushree

2. Ranjan. G .

Signature with Date

17/7/23

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

TO

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi

(ISO 9001-2015 & ISO14001-2015 Certified, Accredited by NAAC with „A" Grade)

#14/5, Chikkasandra, Hesarghatta Main Road,

Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering

Certificate

This is to certify that the Mini Project Work entitled "Android Sudoku Game" carried out by NISARGA S (1SG20CS115),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 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 project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2022

Signature of the Guide
Ms. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr.Kamalakshi Naganna
Professor & HOD

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Sumanth.v

2. Madhushree

Signature with Date

8/7/93

18/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Flying Fish Game Application" carried out by MANASA K G(1SG20CS061), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sunanth. V   20/7/23

2. Vanitha G.P   20/7/23

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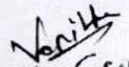Bangalore-560 057

(12)

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with "A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

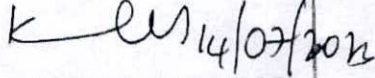## Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Food Recipe Application" carried out by KAVYA S (1SG20CS053), KEERTHANA S (1SG20CS054), bonafide 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   20/7/23

2. Vanitha G.P   20/7/2)

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

13

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
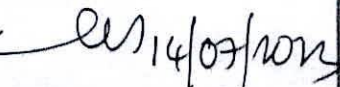
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "CSE QUESTION BANK APPLICATION" carried out by DIVYA B S (1SG20CS033), H N NITHYASREE(1SG20CS041), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

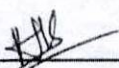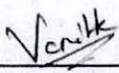|		
Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs.Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Hemanth. V

2. Vanitha G.P

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

(14)

Department of Computer Science and Engineering

SAPTHAGIRI
College of Engineering

Certificate

Certified that the Mini Project Work entitled "**MEDIA PLAYER APPLICATION**" carried out by **SAHANA N (1SG20CS091) & SHREYA SHETTY S(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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

K ell 14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

M 17/7/23

1. Madhushree

2. Ranjan. G

(16)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with "A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

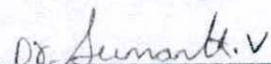## Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "News Application" carried out by ARCHANA S (1SG20CS013), KUMUDHA H I (1SG20CS059), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs.Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Sunant. V

2. Vanitha G.P
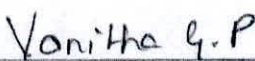
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

17

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Baking App" carried out by AISHWARYA.S (1SG21CS400), H.V MANOJ KUMAR (1SG21CS403) 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof.Vanitha G.P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth.V   18/7/23

2. Madhushree   18/7/23

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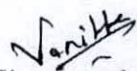Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

(18)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
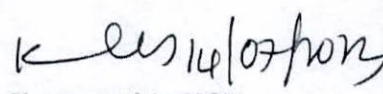#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Pincode Generator Application" carriedout by SHARATH Y P(1SG20CS095), RAKSHITH G C(1SG20CS085), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021- 2022. It is certified that all corrections/suggestions indicated have been incorporated in the report.The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

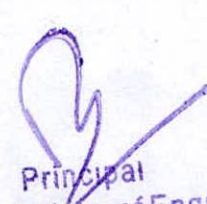Signature of the Guide
Prof.Vanitha G P
Assistant Professor

Signature of the Guide
Prof.Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree   17/7/23

2. Ranjan G

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade, Accredited by NBA
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Vehicle Parking App" carried out by VANDANA M S(1SG20CS108) & VARSHITHA C(1SG20CS109), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Mobile Application Development with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Prof. Vanitha G P
Assistant Professor

Signature of the Guide
Prof. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

M 18/7/23

2. Dr. Sunan Cl. V

18/7/93

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

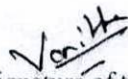# SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU Belagavi. Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 certified Institute)

NAAC Accredited with A Grade

14/5,Chikkasandra, Hessarghatta Main Road,Bengaluru-560057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "ANDROID WEATHER APP"

carried out by MANISHA K (1SG21CS409) & RACHANA N B (1SG21CS413),

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 2022-23.It is certified that all

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

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 Mobile Application

Development Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Ms. Hemalatha K	Prof. Vanitha G.P	Dr. Kamalakshi Naganna
Assistant Professor	Associate Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   18/7/23

2. Madhushree   18/7/23

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified. Accredited by NAAC with 'A' Grade. Accredited by NBA
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Binary to Decimal Calculator" carried out by PAVITHRA B L(1SG20CS074) & PAVITHRA H(1SG20CS075), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Mobile Application Development with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Prof. Vanitha G P
Assistant Professor

Signature of the Guide
Prof. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Ranjan. G

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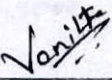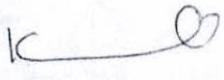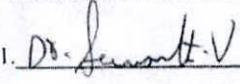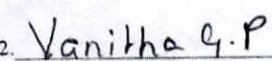Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU Belagavi, Approved by AICTE, NEW DELHI
(ISO 9001-2015 & ISO14001-2015 certified Institute)
NAAC Accredited with A Grade
14/5,Chikkasandra, Hessarghatta Main Road,Bengaluru-560057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "FLAPPY BIRD MASTER carried

out by KS TANMAYI (1SG21CS406) & 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 year 2022-23.It is certified that all

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

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 Mobile Application

Development Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the Guide
Prof. Vanitha G.P
Associate Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. DR.SUMANTH.V   8/7/23

2. Madhushree   18/7/23

of Engineering
Hessaraghatta Road
Bangalore-560 057

23

SAPTHAGIRI COLLEGE OF ENGINEERING
Affiliated to VTU Belagavi, Approved by AICTE, NEW DELHI
(ISO 9001-2015 & ISO14001-2015 Certified Institute) 14/5,
Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Computer Science and Engineering
(Accredited by NBA)

Certificate

Certified that the Mini Project Work entitled "CHATGPT APPLICATION" carried out by ADITYA ADIGA K (1SG20CS003) & NAVEEN KUMAR M (1SG19CS067), 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 2022-23. 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 MAD Laboratory with Mini Project(18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. _____ H.V

19/7/23

2. Vanitha G. P

19/7/23

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

24

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with ,,A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057
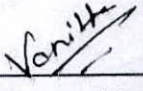
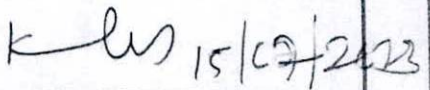## Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the **Mini Project Work** entitled "Android Text Encryption Using Various Algorithm" carried out by VINDHYA G (1SG20CS111), SHILPA BIRADAR(1SG20CS097), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
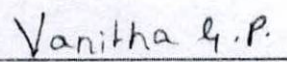
Signature of the Guide
Mrs. Vanitha GP
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

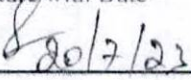Signature of the HOD
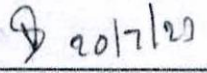Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Dr. Sumanth. V

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

(25)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057
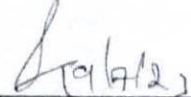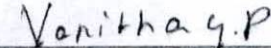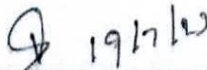
Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "BMI Calculator Application" carried out by 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 Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

15/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   20/7/23

2. Vanitha G. P.   20/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU Belagavi, Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 Certified Institute)

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

Department of Computer Science and Engineering

Accredited by NBA

Certificate

Certified that the Mini Project Work entitled "ANDROID UNIT CONVERTER" carried out by **DEEPTHI S (1SG20CS028) & 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/03/2013

Signature of the Guide	**Signature of the Guide**	**Signature of the HOD**
Prof. Hemalatha K	Prof. Vanitha G P	Dr.Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. _____ V   _____ 9/7/2

2. Vanitha g. P   _____ 19/7/10

(27)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with "A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "SNAKE GAME" carried out by SANGEETHA J (1SG20CS093), SHILPA G P(1SG20CS098), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Sanjana. G

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

28

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE,New Delhi.)
ISO 9001-2015 & ISO14001-2015 Certified, Accredited by NAAC with,, A Grade
14/5, Chikkasandra, Hesarghatta Main Road

Bengaluru – 560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering

Certificate

This is to certify that Certified that the Mini Project Work entitled "PIANO APP DEVELOPMENT"
carried out by DYUTHI AI(1SG20CS035) & KRUHTI S(1SG20CS057), 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 2022-23. 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 MAD Laboratory with
Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide   Signature of the Guide   Signature of the HOD

Prof. Hemalatha K   Prof. Vanitha G P   Dr.Kamalakshi Naganna

Assistant Professor   Assistant Professor   Professor&Head

EXTERNAL EXAMINATION

Name of the Examiner   Signature with date

1. Dr. Sumanth.V   26/7/23

2. Vanitha G.P   20/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "**Live TV Streaming Application**"carried out by BADAL KUMAR (1SG20CS019), GAURAV SINGH (1SG20CS039) 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name ofthe Examiners

Signature with Date

1. DO. Semanth. V   19/7/23

2. Vanitho G.P   19/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(Accredited by NAAC with 'A' Grade) (ISO 9001-2015 & ISO14001-2015 certified Institute)

14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled "ONLINE FOOD ORDER APPLICATION" carried out by **CHANDANA V(1SG20CS026) & DIVYA N(1SG20CS034)**, 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide

Prof. Vanitha G P

Assistant Professor

Signature of the Guide

Prof. Hemalatha K

Assistant Professor

Signature of the HOD

Dr. Kamalakshi Naganna

Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Sumanth V

2. Vanitha G P

Signature with Date

19/7/9

19/7/2

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

(31)

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with "A" Grade
#14/5, Chikkasandra, Hesaraghatta Main
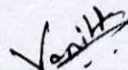Road, Bengaluru-560057

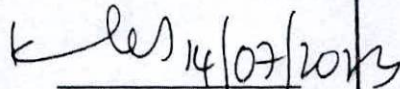## Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "PINBALL Game Application" carried out by PAVAN KUMAR P (1SG20CS072), VIPIN KS(1SG20CS112), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

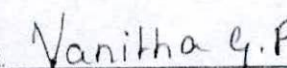Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor
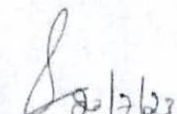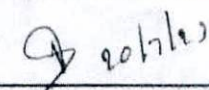
Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Dr. Sumanth. V

18/7/23

18/7/23

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

32

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the **Mini Project Work** entitled "Countdown Timer App" carried out by KARAN S NAIDU (1SG21CS407), K KIRAN KUMAR (1SG21CS405) 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Prof. Hemalatha K
Assistant Professor

Signature of the Guide
Prof. Vanitha G.P
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Semant.V

2. Madhushree

Signature with Date

8/7/23

18/7/23

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

35

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
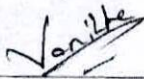#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

CERTIFICATE
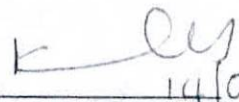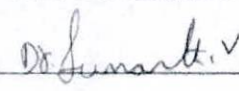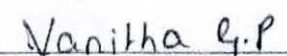
This is to certify that the Mini Project Work entitled "Android First Aid Application" carried out by PAVAN.R (1SG20CS073), S VINODKUMAR (1SG20CS089), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide

Prof.Vanitha G P

Assistant Professor

Signature of the Guide

Prof. Hemalatha K

Assistant Professor

Signature of the HOD

Dr. Kamalakshi Naganna

Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Madhushree

2. Ranjan. G

Signature with Date

17/9/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Car Racing Game" carried out by NAVNEET NAMAN (1SG20CS065), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
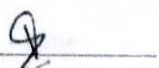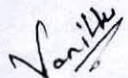
14/07/2023

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

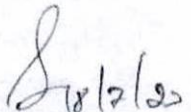Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
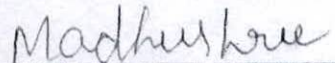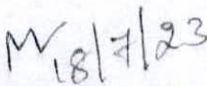Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Sumanth. V

2. Vanitha G. P

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

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "VIDEO EDITOR APP" carried out by NAGARAJU K (1SG20CS064), PRADEEPKUMAR S(1SG20CS077), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2013

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Sumath. V

2. Vanitha G T

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(Accredited by NAAC with 'A' Grade) (ISO 9001-2015 & ISO14001-2015 certified Institute)

14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru - 560057

Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled "WOMEN SAFETY APP" carried out by ANKUSH GOWDA R(1SG20CS009) & BHARATH GOWDA S(1SG20CS020), 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide

Prof. Vanitha G P

Assistant Professor

Signature of the Guide

Prof. Hemalatha K

Assistant Professor

Signature of the HOD

Dr. Kamalakshi Naganna

Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr Sumanth. V

2. Vanitha G.P

Signature with Date

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road

Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with A Grade
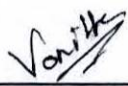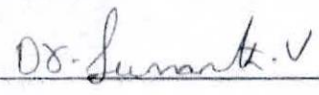
Chikkasandra, Hesarghatta Main Road, Bengaluru - 560057

Department of Computer Science and Engineering

SAPTHAGIRI
College of Engineering

Certificate

Certified that the Mini Project Work entitled "**ATTENDANCE MONITORING SYSTEM**" carried out by **DUSHYANTH G (1SG21CS402)** & **KAVIRAJ J (1SG20CS052)**, bonafide students of **Sapthagiri College of Engineering**, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of 0Visvesvaraya Technological University, Belagavi during the academic year 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
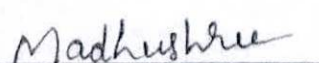
Signature of the Guide
Prof. Vanitha G P
Assistant Professor

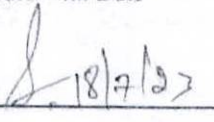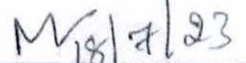Signature of the Guide
Prof. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Sumanth. V

18/7/23

2. Madhushree

18/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with

A Grade, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering

CERTIFICATE

This is to certify that the mini project work entitled "Ludo Game" carried out by Dhanush YT (1SG21CS401) and Jaswanth Aradhya S(1SG21CS404), 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 2022-2023. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   18/7/23

2. Madhushree   18/7/23

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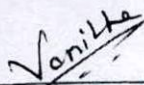bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

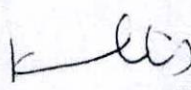## Department of Computer Science and Engineering

(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "SIMPLE MATH QUIZ APPLICATION" carried out by DEVADUTTA B R (1SG20CS031),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 Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs.Vanitha G P	Ms.Hemalatha K	Dr.Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners	Signature with Date
1. Dr. Sumant. V	1. 20/7/23
2. Vanitha G.P	2. 20/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

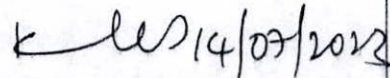## Department of Computer Science and Engineering
(Accredited by NBA)

![Sapthagiri College of Engineering logo]

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "BINARY TO DECIMAL CONVERTER" carried out by BHASKAR P (1SG20CS021), CHANDHU T R (1SG20CS027), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Dr. Sumanth. V

2. Vanitha G. P.

Signature with Date

9/7/23

19/7/2

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

41

SAPTHAGIRI COLLEGE OF ENGINEERING
Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI
(Accredited by NAAC with 'A'Grade) (ISO 9001-2015 & ISO14001-2015 certified Institute)
14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

Department of Computer Science and Engineering
(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled "**EXPENSE TRACKER APPLICATION**" carried out by **PREETHAM S G (1SG20CS082) & SHRAVAN L (1SG20CS100)**, 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Prof. Vanitha G P
Assistant Professor

Signature of the Guide
Prof. Hemalatha K
Assistant Professor

Signature of the HOD 14/07/2023
Dr. Kamalakshi Naganna
Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

1. Madhushree
2. Ranjan. G.

Signature with Date

17/7/23

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road

42

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Voice recorder and player Application" carriedout by DHANRAJ P(1SG20CS032),CHANDAN C S(1SG20CS024), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Do. Sumanth. V

19/7/23

2. Vanith G.P

19/7/23

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

43

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(Accredited by NAAC with 'A' Grade) (ISO 9001-2015 & ISO14001-2015 certified Institute)

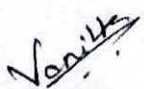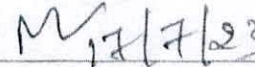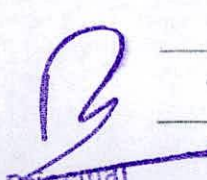14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

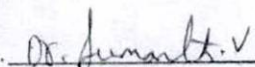## Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled "**AAHAR FOOD DONATION APP**" carried out by **SANTHOSH.D(1SG20CS094) & VIVAN KUSHAL HENEGER(1SG20CS114)**, 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners	Signature with Date
1. Dr. Sumika.v	18/7/23
2. Madhushree	18/7/23

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

(44)

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(Accredited by NAAC with 'A' Grade) (ISO 9001-2015 & ISO14001-2015 certified Institute)

14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled **"ANDROID HEALTHCARE APPLICATION"** carried out by **KUMAR SWAMY B U(1SG20CS058) & PRAMOD KUMAR S J(1SG20CS080)**, 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

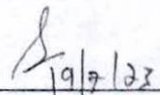| Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Madhushree   17/7/23

2. Ranjan. G   1/7

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road

Bangalore-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI
(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with
A Grade, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057
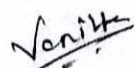
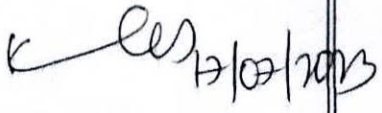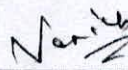## Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

This is to certify that the mini project work entitled "Save The Bunny Game Application" carried out by Anstin George(1SG20CS010) and Akshay Kumar Joshi(1SG20CS008), 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 2022-2023. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   9/7/23

2. Vanitha G. P

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)
(AO 9001:2015 &ISO 14001:2015 Certified Institute
NAAC Accredited with 'A' Grade
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering

Certificate

Certified that the Mini Project Work entitled "**Tic Tac Toe Game Application**" carried out by **JAYANTH M (1SG20CS048) & K SARAVANAN (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 year 2022-23. 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 Mobile Application Development Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	**Signature of the Guide**	**Signature of the HOD**
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   *Signature with date*

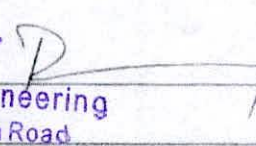1. Dr. Sumanth.V   26/7/23

2. Vanitha G.P   20/7/23

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

(47)

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering

Certificate

This is to certify that the Mini Project Work entitled "Morse Code Generation" carried out by PRAVEEN KUMAR N(1SG20CS081), PUNITH S(1SG20CS083), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs.Vanitha G P	Ms.Hemalatha K	Dr.Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Madhushree   1. ⟶ 17/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "3D CANDY CRUSH GAME" carriedout by PRAKHAR SURAJ (1SG20CS078), VIDISH GUPTA(1SG20CS110), 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 2021-2022. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha GP	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

2. Ranjan. G.

49

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road.
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Date of Birth Calculator" carried out by SMEHAK AFREEN(1SG20CS088), SAKSHEE SINGH(1SG20CS079), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MADLaboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2022

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name ofthe Examiners

Signature with Date

1. Madhushree

17/7/23

2. Kanya. G

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057
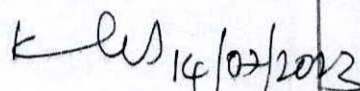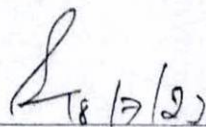
Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Date of Birth Calculator" carried out by RITIK RAJ (1SG20CS087), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements inrespect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. _____

2. Madhushree _____

52

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering

Certificate

This is to certify that the Mini Project Work entitled "CHATTING APP" carried out by SHIVUROOPESH M

(1SG20CS099), 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

2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the

report. The project report has been approved as it satisfies the academic requirements in respect of

MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

		14/07/2023
Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs.Vanitha	Ms.Hemalatha K	Dr.Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

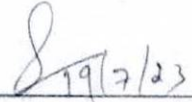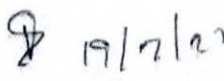1. Dr-Srenanth. V   1. 18/7/23

2. Madhushru   Principal   18/7/23
                 Sapthagiri College of Engineering
                 Chikkasandra, Hesaraghatta Road
                 Bangalore- 560 057

53

Department of Computer Science and Engineering

SAPTHAGIRI
College of Engineering

Certificate

Certified that the Mini Project Work entitled "PACK YOUR BAG" carried out by SANDHYA M (1SG19CS407) & TEJASWINI M(1SG21CS415), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of 0Visvesvaraya Technological University,Belagavi during the academic year 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68)prescribed for the said Degree.

14/07/2023

Signature of the Guide	**Signature of the Guide**	**Signature of the HOD**
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   **Signature with Date**

1. DD. Sumant. V   8/7/2)

2. Madhushree   18/7/23

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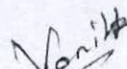Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI
(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with
A Grade, Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057
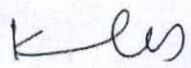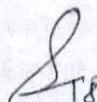
Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

This is to certify that the mini project work entitled "Covid 19 Tracker Application" carried out by Deepti Kulkarni(1SG20CS030) and 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 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Hemalatha K	Prof. Vanitha G P	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Leenant.V   19/7/23

2. Venitha G.P   19/7/2

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI
(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with A Grade
Chikkasandra, Hesarghatta Main Road, Bengaluru - 560057

Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "FILE APPLICATION" carried out by MANOJ S (ISG21CS410) & SAGAR T(ISG21CS414), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of 0Visvesvaraya Technological University, Belagavi during the academic year 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Prof. Vanitha G P
Assistant Professor

Signature of the Guide
Prof. Hemalatha K
Assistant Professor

14/07/2013
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

INTERNAL EXAMINATION

Signature with Date

18/7/23

18/7/23

of Engineering
raghatta Road
560 057

56

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
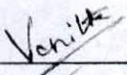#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

## Department of Computer Science and Engineering
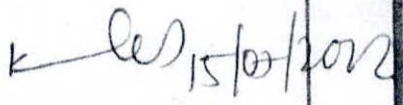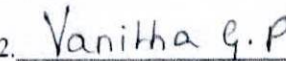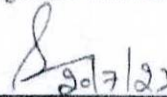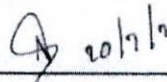
(Accredited by NBA)

Certificate

This is to certify that the Mini Project Work entitled "Clipboard Application" carried out by AKASH PUJARI (1SG20CS007), ADITYA SINGH(1SG20CS004), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

		19/07/2023
Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha G P	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   9/7/23

2. Vonitha G.P

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Android Job Portal" carried out by NAVEEL MANJOOR(1SG20CS066), NISHANT P CHOUHAN(1SG20CS069), 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 2021-2022. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Mrs. Vanitha GP	Ms. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V

2. Vanitha G. P

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "BASE-2 TO BASE-10 & BASE-16 CONVERTER" carried out by TSEWANG CHOSKIT(1SG20CS106), PANCHAL MONIKA(1SG20CS071), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
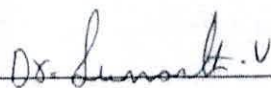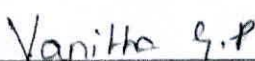
Signature of the Guide
Prof. Vanitha G P
Assistant Professor

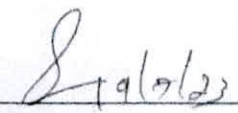Signature of the Guide
Prof. Hemalatha K
Assistant Professor
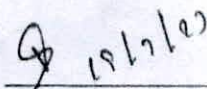
Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

14/07/2023

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

18/7/23

2. Dr. Sumanth.V

18/7/23

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

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to VTU, Belagavi, Approved by AICTE, NEW DELHI

(ISO 9001-2015 & ISO14001-2015 certified Institute) 14/5, NAAC accredited with

A Grade, Chikkasandra, Hesarghatta Main Road, Bengaluru - 560057

Department of Computer Science and Engineering

(Accredited by NBA)

CERTIFICATE

This is to certify that the mini project work entitled "Language Learning Application" carried out by Arya Sinha (1SG20CS016) and Aveek Chakraborty (1SG20CS018), 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 2022-2023. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said degree.

Signature of the Guide

Prof. Hemalatha K

Assistant Professor

Signature of the Guide

Prof. Vanitha G P

Assistant Professor

Signature of the HOD

Dr. Kamalakshi Naganna

Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Dr. Sumanth. V

2. Vanitha G.P

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

61

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Viswerya Technological University, Belegavi and Approved by AICTE, New Delhi
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with A Grade
#14/5 Chikkasandra, Heseraghatta, Main Road
Bengaluru-560057

Department Of Computer Science Engineering
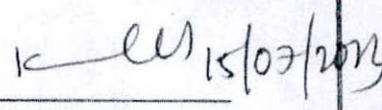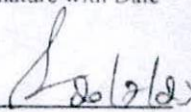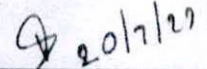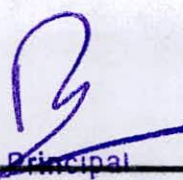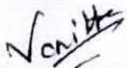(Accredited by NAAC)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "GPS Tracker" carriedout by FAHAD MOHAMMED (1SG20CS036), GAURAV YADAV (1SG20CS040), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

15/07/2023

Signature Of the Guide   Signature Of the Guide   Signature Of the HOD

Ms. Hemalatha K   Mrs. Vanitha G P   Dr. Kamalakshi Naganna

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V

2. Vanitha G. P

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

62

Department of Computer Science and Engineering

SAPTHAGIRI
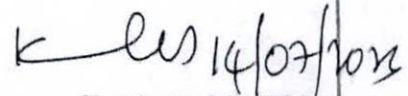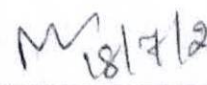College of Engineering

Certificate

Certified that the Mini Project Work entitled "**TETRIS GAME** " carried out by **TRIVENI B G** (**1SG21CS416**) & **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 0Visvesvaraya Technological University, Belagavi during the academic year 2022-23. 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 MAD Laboratory with Mini Project 18CSMP68 prescribed for the said Degree.

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Amnark. V   18/7/23

2. Madhushree   18/7/23

63
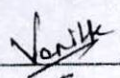
SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
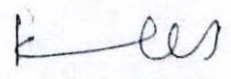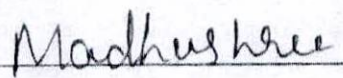(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled " Portfolio and cv app" carriedout by Pushpender (1SG20CS069), 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 2021-2022. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
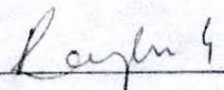
Signature of the Guide
Mrs. Vanitha GP
Assistant Professor

Signature of the Guide
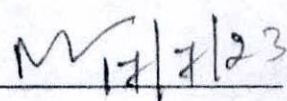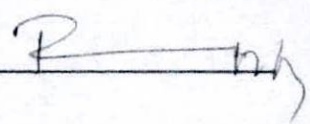Ms. Hemalatha K
Assistant Professor

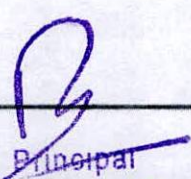Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Madhushree

17/7/23

2. Rajiv 4

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering
(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Simple Alarm Clock Application" carriedout by
ATUL ANAND(1SG20CS017), SREEKAR N(1SG20CS103), 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-
2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.The
project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory
with Mini Project (18CSMP68) prescribed for the said Degree.

Signature of the Guide
Mrs. Vanitha G.P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name ofthe Examiners

Signature with Date

1. Madhushru

2. Dr. Sumanth. V

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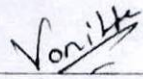Bangalore-560 057

65

Department of Computer Science and Engineering
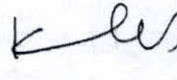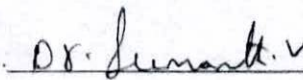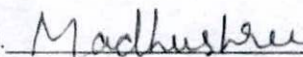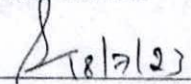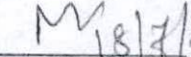
(Accredited by NBA)

CERTIFICATE

Certified that the Mini Project Work entitled "**ASYNCHRONOUS TASK**" carried out by **LIKHITH B (1SG20CS060)** & **MARUTHI G (1SG21CS411)**, 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 2022-23. 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 MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide	Signature of the Guide	Signature of the HOD
Prof. Vanitha G P	Prof. Hemalatha K	Dr. Kamalakshi Naganna
Assistant Professor	Assistant Professor	Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners   Signature with Date

1. Dr. Sumanth. V   18/7/23

2. Madhushree   18/7/23

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with „A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
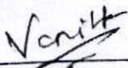Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "BreakOut Ball Game Application" carried out by 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 ComputerScience and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.
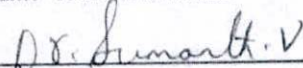
Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
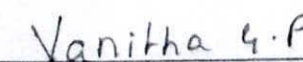Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION
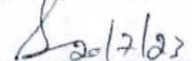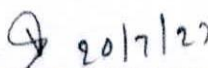
Name of the Examiners

1. Dr. Sumanth. V

2. Vanitha G. P

Signature with Date

20/7/23

20/7/23

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

67

SAPTHAGIRI COLLEGE OF ENGINEERING

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with ,,A" Grade
#14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)

SAPTHAGIRI
College of Engineering
Creating Tomorrow

Certificate

This is to certify that the Mini Project Work entitled "Memory Game Application" carried out by HARSH KUMAR (1SG20CS042), KISHAN KUMAR (1SG20CS056), 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 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The project report has been approved as it satisfies the academic requirements inrespect of MAD Laboratory with Mini Project (18CSMP68) prescribed for the said Degree.

14/07/2023

Signature of the Guide
Mrs. Vanitha G P
Assistant Professor

Signature of the Guide
Ms. Hemalatha K
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor& Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. DD. Sumanth. V

26/7/23

2. Vanitha G.P

20/7/23

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