

1.3.3 Percentage of students undertaking project work/field work/ internships

1. List of students undertaken mini project program wise

Sl. No	Programme name	Program Code	List of students undertaken mini project
1	Computer Science Engineering	CS	Sushmitha M
2	Computer Science Engineering	CS	Swapna D
3	Computer Science Engineering	CS	Tanmay Gupta
4	Computer Science Engineering	CS	Sujith K M
5	Computer Science Engineering	CS	Suman R
6	Computer Science Engineering	CS	Shilpashree.M.C
7	Computer Science Engineering	CS	Shreevidya.H.S
8	Computer Science Engineering	CS	Pooja V Asangihal
9	Computer Science Engineering	CS	Shashank Shekar
10	Computer Science Engineering	CS	Saurabh Dokaniya
11	Computer Science Engineering	CS	Saurav Sirohi
12	Computer Science Engineering	CS	Shravani V
13	Computer Science Engineering	CS	Sindhu R V
14	Computer Science Engineering	CS	Soujita Ghosh
15	Computer Science Engineering	CS	Suruchi Rani
16	Computer Science Engineering	CS	Ujjwal Shankar
17	Computer Science Engineering	CS	Vishwanatha Bhat
18	Computer Science Engineering	CS	Vijaya Kumar S H
19	Computer Science Engineering	CS	Nitin Mundhara
20	Computer Science Engineering	CS	Vatsala Parmar
21	Computer Science Engineering	CS	Yashaswinijs
22	Computer Science Engineering	CS	Ranjita Ganapati Hegde
23	Computer Science Engineering	CS	Vibha M S
24	Computer Science Engineering	CS	Unnati Gupta
25	Computer Science Engineering	CS	Madiha Amber A N
26	Computer Science Engineering	CS	Pavithra.S
27	Computer Science Engineering	CS	Ranjini.R
28	Computer Science Engineering	CS	Sanjana.K
29	Computer Science Engineering	CS	Darshan V D
30	Computer Science Engineering	CS	Jagadish J
31	Computer Science Engineering	CS	Chethan Kumar G
32	Computer Science Engineering	CS	Hemanth Kumar Gr
33	Computer Science Engineering	CS	Saurajeet Banarjee
34	Computer Science Engineering	CS	Rakshitha S N
35	Computer Science Engineering	CS	Rahul Kumar Verma
36	Computer Science Engineering	CS	Ribanshu Keshri
37	Computer Science Engineering	CS	Kavya N G
38	Computer Science Engineering	CS	Meghana A Nayaka

Principal

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Fax: 080-28372797

Sl. No	Programme name	Program Code	List of students undertaken mini project
39	Computer Science Engineering	CS	Shwetha S K
40	Computer Science Engineering	CS	Yashaswini N
41	Computer Science Engineering	CS	Yashi Sikligar
42	Computer Science Engineering	CS	Sunny Kumar Sharma
43	Computer Science Engineering	CS	Adity Dey
44	Computer Science Engineering	CS	Ankit Kumar
45	Computer Science Engineering	CS	Balraj
46	Computer Science Engineering	CS	Bhuvan Reddy
47	Computer Science Engineering	CS	Priya Kumari
48	Computer Science Engineering	CS	Rashmi Kumari
49	Computer Science Engineering	CS	Sidheeraj
50	Computer Science Engineering	CS	Sachinkumar S
51	Computer Science Engineering	CS	Rakhi Kumari
52	Computer Science Engineering	CS	Payal
53	Computer Science Engineering	CS	Rahul Prabhu.M
54	Computer Science Engineering	CS	Rajeev Srinivas
55	Computer Science Engineering	CS	Santosh Juntally
56	Computer Science Engineering	CS	Puneeth A
57	Computer Science Engineering	CS	Salil Sankritya
58	Computer Science Engineering	CS	Shantanu Pawar
59	Computer Science Engineering	CS	Rashmi Surya
60	Computer Science Engineering	CS	Shobha K
61	Computer Science Engineering	CS	Rakshitha G
62	Computer Science Engineering	CS	Rashmi S P
63	Computer Science Engineering	CS	Anjal D
64	Computer Science Engineering	CS	Bhavya V
65	Computer Science Engineering	CS	Shwetha.R
66	Computer Science Engineering	CS	Samreen Azmi M
67	Computer Science Engineering	CS	Devanshu Singh
68	Computer Science Engineering	CS	Jai Venkata Sai Sriram
69	Computer Science Engineering	CS	Jeevan B K
70	Computer Science Engineering	CS	Karthik L
71	Computer Science Engineering	CS	Ramya R
72	Computer Science Engineering	CS	Swathi H S
73	Computer Science Engineering	CS	Navya.S
74	Computer Science Engineering	CS	Tejaswini N R
75	Computer Science Engineering	CS	Priyanka D
76	Computer Science Engineering	CS	Shreelakshmi M M
77	Computer Science Engineering	CS	Harshitha Bh
78	Computer Science Engineering	CS	Anagha R


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79	Computer Science Engineering	CS	Niharika.S
80	Computer Science Engineering	CS	Kavya C
81	Computer Science Engineering	CS	Vrunda C
82	Computer Science Engineering	CS	Manu M C
83	Computer Science Engineering	CS	Punith Kumar B N
84	Computer Science Engineering	CS	Meghala S
85	Computer Science Engineering	CS	Nalini J
86	Computer Science Engineering	CS	Lokesh Kumar N
87	Computer Science Engineering	CS	Naveen K
88	Computer Science Engineering	CS	Harisha N
89	Computer Science Engineering	CS	Harshita P – 1
90	Computer Science Engineering	CS	Chathurya Kandiraju
91	Computer Science Engineering	CS	Laxmi Tripathi
92	Computer Science Engineering	CS	Kumaresk Prakash
93	Computer Science Engineering	CS	Mallikarjun S C
94	Computer Science Engineering	CS	Suhana D
95	Computer Science Engineering	CS	Shilpashree N
96	Computer Science Engineering	CS	Monica M
97	Computer Science Engineering	CS	Ashwini S
98	Computer Science Engineering	CS	Kiran M
99	Computer Science Engineering	CS	Manoj R
100	Computer Science Engineering	CS	Aishwarya S
101	Computer Science Engineering	CS	Ananya R
102	Computer Science Engineering	CS	Adarsh R M
103	Computer Science Engineering	CS	Amul L. Kathre
104	Computer Science Engineering	CS	Bindushree G L
105	Computer Science Engineering	CS	Chitra G
106	Computer Science Engineering	CS	Tejashwini C A
107	Computer Science Engineering	CS	Sushmitha B Tangadagi
108	Computer Science Engineering	CS	Likhitha R
109	Computer Science Engineering	CS	Arpitha B Y
110	Computer Science Engineering	CS	Bindhu M V
111	Computer Science Engineering	CS	Divya
112	Computer Science Engineering	CS	Aditya Deep
113	Computer Science Engineering	CS	Abhinetra Kumar
114	Computer Science Engineering	CS	Mahera Alam
115	Computer Science Engineering	CS	Medha Mansi
116	Computer Science Engineering	CS	Muskan Kedia
117	Computer Science Engineering	CS	Madhura K
118	Computer Science Engineering	CS	Abhinav Anand

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119	Computer Science Engineering	CS	Amir Ali Rangwala
120	Computer Science Engineering	CS	Anjana R
121	Computer Science Engineering	CS	Chaitra V
122	Computer Science Engineering	CS	Ajith S
123	Computer Science Engineering	CS	Akash Kumar Jaiswal

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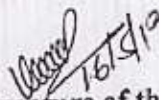
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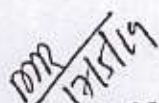
Department of Computer Science and Engineering

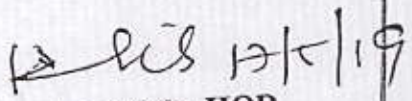


Certificate

Certified that the Mini Project Work entitled "SHIP SAILING" carried out by SWAPNA D (ISG16CS111), SUSHMITHA M (ISG16CS110), 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 2017-2018. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

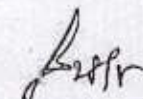

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION


Name of the Examiners

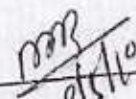
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1. Venky D.R.



2. Anuradha B


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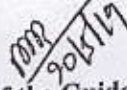
Department of Computer Science and Engineering

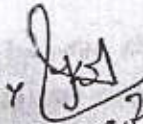


Certificate

Certified that the Mini Project Work entitled "different phases of moon using Open GL" carried out by TANMAY GUPTA (ISG16CS112), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor

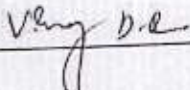

Signature of the Guide
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Assistant Professor

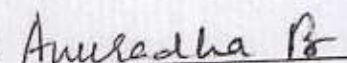

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

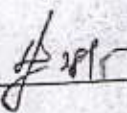
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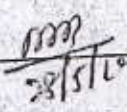
Name of the Examiners


Signature with Date

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Principal
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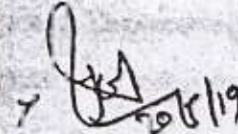


Certificate

Certified that the Mini Project Work entitled "3D ROOM SCENE" carried out by SUJITH K M (ISG16CS106) & SUMAN R (ISG16CS107), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

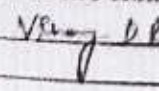

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Assistant Professor

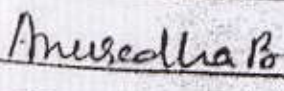

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Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

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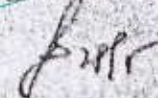
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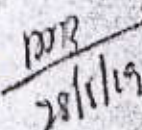
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Bangalore- 560 057

Signature with date




28/11/19

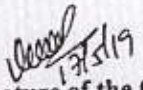
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Department of Computer Science and Engineering

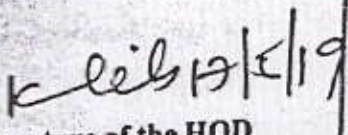


Certificate

Certified that the Mini Project Work entitled "Beautiful Scenario of Nature using Open GL" carried out by SHILPASHREE M.C.(ISG16CS100) and SHREEVIDYA H.S.(ISG16CS103), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
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Assistant Professor


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Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D.(IC)


EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Lalitesh K.N.

2. Anuradha B.


Principal
Sapthagiri College of Engineering
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Department of Computer Science and Engineering

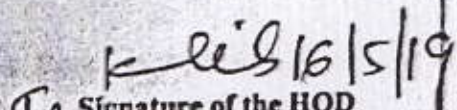


Certificate

Certified that the Mini Project Work entitled "Bike Simulation" carried out by POOJA V. ASANGIHAL (ISG16CS069) and SHASHANK SHEKHAR (ISG16CS099), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
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Assistant Professor

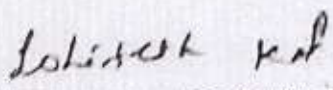

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

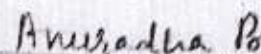

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(ING)
Department: Cf Computer Science & Engg.
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
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EXTERNAL EXAMINATION

Name of the Examiners

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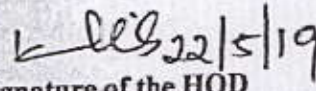


Certificate

Certified that the Mini Project Work entitled "Music Visualizer Implementation using OpenGL" carried out by SAURABH DOKANIYA (1SG16CS095), SAURAV SIROHI (1SG16CS096), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


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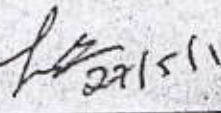
Name of the Examiners

Signature with Date

1. Lohitalk Kal

2. Anuradha B


Principal
Sapthagiri College of Engineering
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Bangalore - 560 057


22/5/19

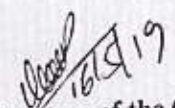
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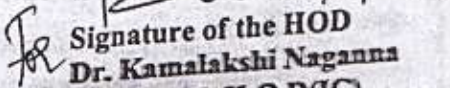


Certificate

Certified that the Mini Project Work entitled "FESTIVALS OF INDIA" carried out by SHRAVANI.V(ISG16CS102) and SINDHU R.V(ISG16CS104) 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


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Assistant Professor


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Signature of the HOD
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Professor & H.O.D.(IC)
Department Of Computer Science & Engg.
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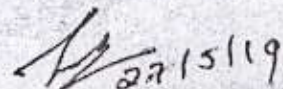
Name of the Examiners

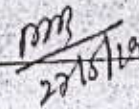
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1. Lohitesh K.R.

2. Anuradha B.


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22/5/19

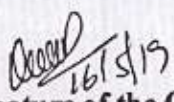

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Department of Computer Science and Engineering

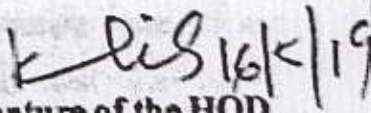


Certificate

Certified that the Mini Project Work entitled "N-Queen's algorithm using Open GL" carried out by SURUCHI RANI(1SG16CS108) and SOUJITA GHOSH(1SG16CS105), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


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Assistant Professor


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Signature of the HOD
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Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57


EXTERNAL EXAMINATION


Name of the Examiners

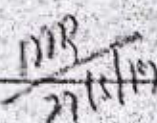
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22/5/19


27/5/19

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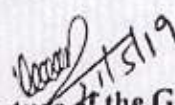
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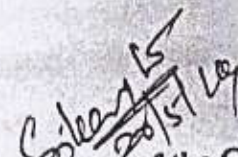
Department of Computer Science and Engineering

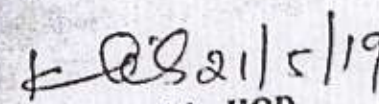


Certificate

Certified that the Mini Project Work entitled "Christmas tree and snowman" carried out by UJJWAL SHANKAR (ISG16CS116) & VISHWANATHA BHAT (ISG16CS122), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Mrs. D. K.

2. Anusoolha B.



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

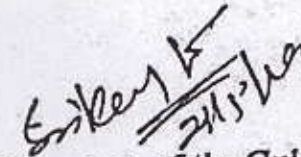
Department of Computer Science and Engineering

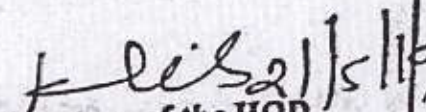


Certificate

Certified that the Mini Project Work entitled "Exhibition using Open GL" carried out by VIJAYA KUMAR SH (ISG16CS120), bonafide student 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

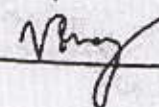

Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

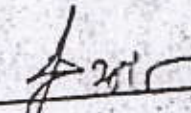
EXTERNAL EXAMINATION

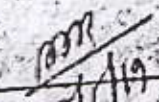
Name of the Examiners


1. 

2. Anuradha B

Signature with Date






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

SAPTHAGIRI COLLEGE OF ENGINEERING

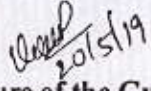
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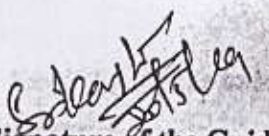
Department of Computer Science and Engineering

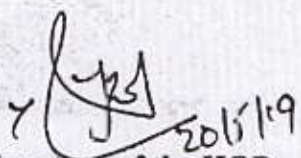


Certificate

Certified that the Mini Project Work entitled "The Maze" carried out by NITIN MUNDHARA (ISG16CS126), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K. R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda
Assistant Professor

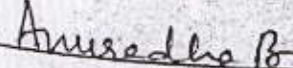

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

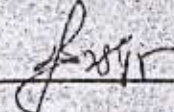
EXTERNAL EXAMINATION

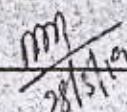
Name of the Examiners


Signature with Date

1. 

2. 






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

SAPTHAGIRI COLLEGE OF ENGINEERING


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

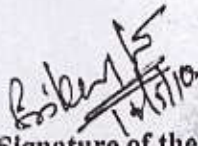
Department of Computer Science and Engineering

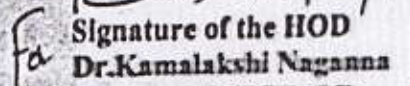


Certificate

Certified that the Mini Project Work entitled "Fishing Occupation" carried out by VATSALA PARMAR(ISG16CS119), YASHASWINI J S(ISG16CS123), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor

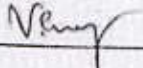

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

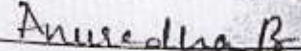

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & HOD (IC)
Department Of Computer Science & Engg
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru-560 057.


EXTERNAL EXAMINATION

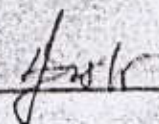
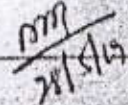
Name of the Examiners

Signature with Date

1. 

2. 


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

SAPTHAGIRI COLLEGE OF ENGINEERING

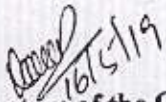
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

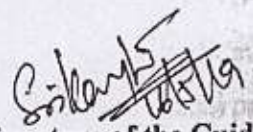
Department of Computer Science and Engineering

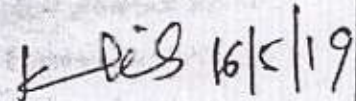


Certificate

Certified that the Mini Project Work entitled "Ring Moves" carried out by VIBHA.MS (ISG16CS127) & RANJITA.G.HEGDE(1SG16CS125), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena.K.R
Assistant Professor

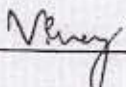

Signature of the Guide
Mr.Srikantha Gowda R
Assistant Professor

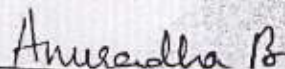

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. 

2. 


Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

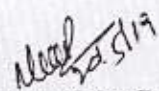
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Department of Computer Science and Engineering

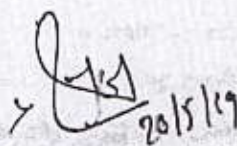


Certificate

Certified that the Mini Project Work entitled "Paint Application using OpenGL" carried out by UNNATI GUPTA (ISG16CS117), MADHEA AMBER A N (ISG16CS129), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K. R
Assistant Professor

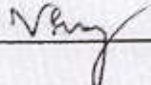

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

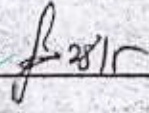
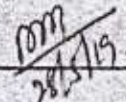
Signature with Date

1. 

2. Anuradha B


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

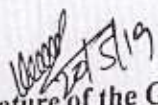
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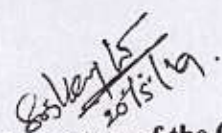
Department of Computer Science and Engineering

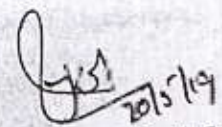


Certificate

Certified that the Mini Project Work entitled "Clock" carried out by PAVITHRA S (ISG16CS067), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


EXTERNAL EXAMINATION

Name of the Examiners

1. _____

2. _____

Signature with Date

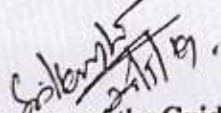

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

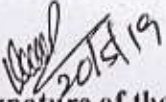
Department of Computer Science and Engineering

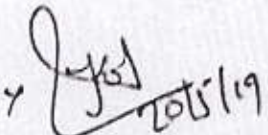


Certificate

Certified that the Mini Project Work entitled "Archery Game Block Shooting" carried out by RANJIN K (ISG16CS132), SANJANA K (ISG16CS133), 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 2018-2019. 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 CG Laboratory with Mini Project (15CS168) prescribed for the said Degree.


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the Guide
Mrs. Veena K.R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head


EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. _____

2. _____


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

SAPTHAGIRI COLLEGE OF ENGINEERING

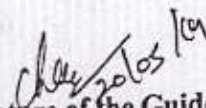
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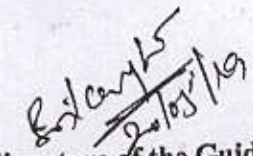
Department of Computer Science and Engineering

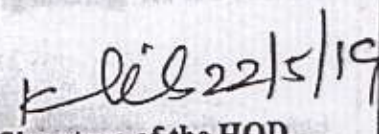


Certificate

Certified that the Mini Project Work entitled "Graphical Implementation of Selective Repeat ARQ using Open GL" carried out by DARSHAN V D (1SG17CS405), JAGADISH J (1SG17CS408) 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

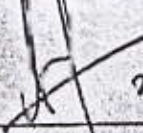
EXTERNAL EXAMINATION

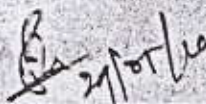
Name of the Examiners

1. Asif Ulla Khan

2. Srikantha Gowda R

Signature with Date

 29/05/19

 29/05/19

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

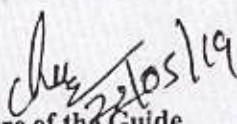
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

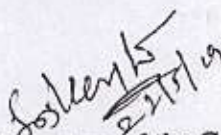
Department of Computer Science and Engineering

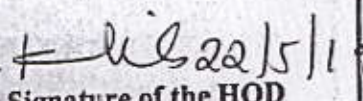


Certificate

Certified that the Mini Project Work entitled "FIRST COME FIRST SERVE ALGORITHM" carried out by CHETHAN KUMAR G (ISG17CS404) and HEMANTH KUMAR G R (ISG17CS407), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mr Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

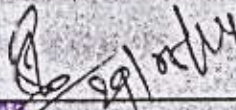
Signature with Date

1. Asit vlla Khan

2. Srikantha Gowda R


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road


22/05/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Graphical Implementation of 3d Reflection of cartoons using Open GL" carried out by SAURAJEET BANERJEE(1SG15CS096) 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Handwritten signature
Signature of the Guide
Mrs. Veena K.R
Assistant Professor

Handwritten signature
Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

Handwritten signature
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. *Handwritten signature*

2. *Handwritten signature*

Handwritten signature

Handwritten signature

Handwritten signature
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING


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


Department of Computer Science and Engineering

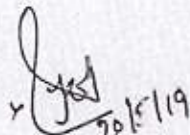


Certificate

Certified that the Mini Project Work entitled "Depiction of seasons using leaves using Open GL" carried out by RAKSHITHA S N (1SG16CS412), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

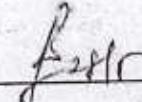

Signature of the HOD
Dr. Kamaakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

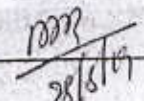
Name of the Examiners

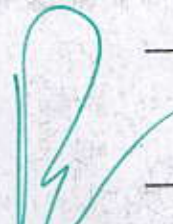
Signature with Date

1. 



2. Anuradha B




Principal
Sapthagiri College of Engineering
Chikkasandra Hesaraghatta Main Road.

SAPTHAGIRI COLLEGE OF ENGINEERING

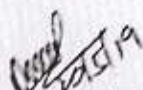
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

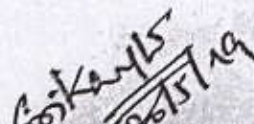
Department of Computer Science and Engineering

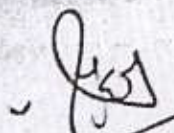


Certificate

Certified that the Mini Project Work entitled "WIND ENERGY USING OPEN GL" carried out by RAHUL KUMAR VERMA (18G16CS078) & RIBANSHU KESHRI (18G16CS087), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSLA8) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda.R.
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57


EXTERNAL EXAMINATION

Name of the Examiners

1. Solishash K.R.


2. Anusudha B.

Signature with Date


22/5/19

Principal

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


22/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "MOVING BICYCLES" carried out by KAVYA N G (ISG15CS040), MEGHANA A NAYAKA (ISG15CS053) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Vishvesvaraya Technological University, Belagavi during the academic year 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

K. L. S. 22/5/19
Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

mm 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. L. S. 22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)
Department of Computer Science and Engineering
Sapthagiri College of Engineering
Bangalore-57

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. *Venay*

2. *Anuradha B*

[Signature] 22/5/19

mm 22/5/19

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road,
Bangalore-560057

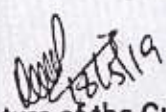
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

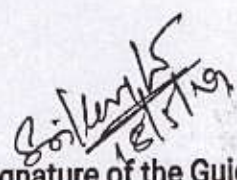
Department of Computer Science and Engineering




Certificate

Certified that the Mini Project Work entitled "TRAINS COLLISION DETECTION USING OPEN GL" carried out by SHWETHA S.K (1SG15CS102) & YASHASWINI N (1SG15CS126), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda.R.
Assistant Professor



Signature of the HOD
Dr. Kamalakshi Naganna
Professor & HOD

EXTERNAL EXAMINATION

Name of the Examiners


1. Lohitesh K.R.
2. Anuradha B.

Signature with Date

 22/5/19


Principal

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

 27/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

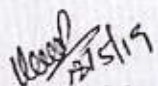
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

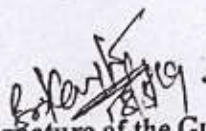
Department of Computer Science and Engineering

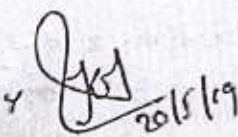


Certificate

Certified that the Mini Project Work entitled "Graphical implementation of Move Light around Fixed Objects" carried out by SUNNY KUMAR SHARMA (ISG16CS128) & YASHI SIKLIGAR (ISG16CS124), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor

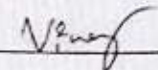

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

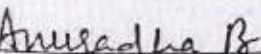

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


EXTERNAL EXAMINATION

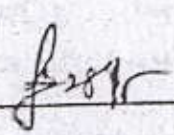
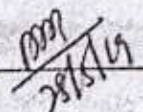
Name of the Examiners

Signature with Date

1. 

2. 


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057.

SAPTHAGIRI COLLEGE OF ENGINEERING

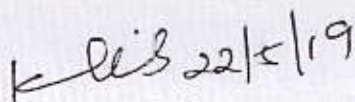
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

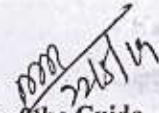
Department of Computer Science and Engineering

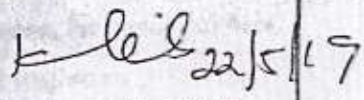


Certificate

Certified that the Mini Project Work entitled "Implementation of Tower of Hanoi using Open GL" carried out by ADITYA DEY (15G15CS005) & ANKIT KUMAR (15G16CS012) 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 2013-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

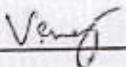

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

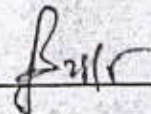

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

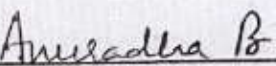
EXTERNAL EXAMINATION

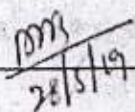
Name of the Examiners

Signature with Date

1. 



2. 



Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

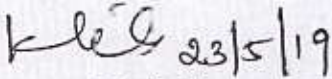
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering



Certificate

Certified that: the Mini Project Work entitled "WORKING OF NUCLEAR PLANT" carried out by BALARAJ B G (1SG15CS013) & BHUVAN REDDY M (1SG15CS018), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

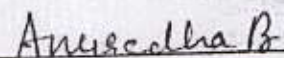
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. 

2. 


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

2018-2019

SAPTHAGIRI COLLEGE OF ENGINEERING


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

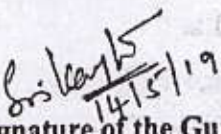
Department of Computer Science and Engineering

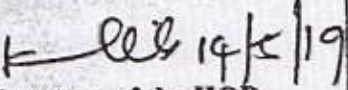


Certificate

Certified that the Mini Project Work entitled "Taj Mahal" carried out by PRIYA KUMARI(ISGI6CS074) and RASHMI KUMARI(ISGI6CS083), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor

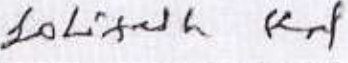

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

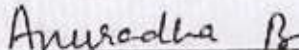

Signature of the HOD
Dr. Kamalakshi Naganna
Professor of Computer Engg.
Department of Computer Science
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560 057.


EXTERNAL EXAMINATION

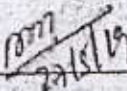
Name of the Examiners

Signature with Date

1. 

2. 


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


22/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

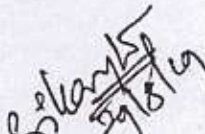
Department of Computer Science and Engineering

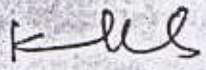


Certificate

This is to certify that the Mini Project Work entitled "Binary Search Tree" carried out by S. I. DHEERAJ (ISG16CS039) & SACHIN KUMAR S. (ISG16CS090) bonafide students of Sapthagiri College of Engineering in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visweshvaraya Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)


EXTERNAL EXAMINATION

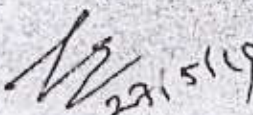
Name of the Examiners

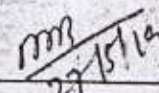
Signature with Date

1. Lolita K R

2. Anusudha B


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


27/5/19


27/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING


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

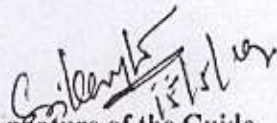
Department of Computer Science and Engineering

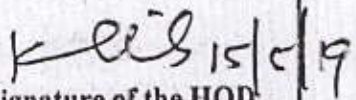


Certificate

Certified that the Mini Project Work entitled "Unidentified Flying Object" carried out by RAKHI KUMARI(ISGI6CS081) PAYAL(ISGI6CS068), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CS168) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor

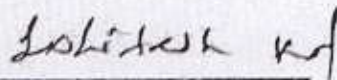

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

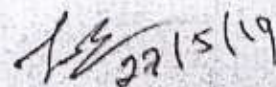

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bengaluru-57

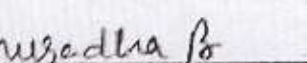
EXTERNAL EXAMINATION

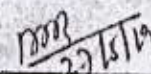
Name of the Examiners

Signature with Date

1. 

 22/5/19

2. 

 22/5/19


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

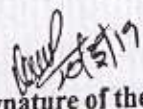
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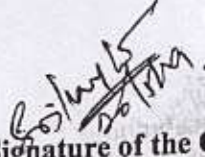
Department of Computer Science and Engineering

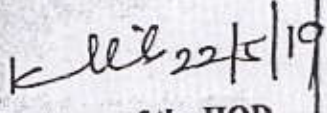


Certificate

Certified that the Mini Project Work entitled "Graphical implementation of virtual lights using Open GL" carried out by RAJEEV SRINIVAS (ISG16CS80) and RAHUL PRABHU (ISG16CS079), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena.K.R
Assistant Professor


Signature of the Guide
Mr. Srikanth.G.R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Lolita K R

2. Anuradha B


Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "NETWORK FIRE WALL USING OPENGL" carried out by SANTOSH JUNTPALLY (ISG16CS094) AND PUNEETH A (ISG16CS131) 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Veena K R
18/5/19

Signature of the Guide
Mrs. Veena K R
Assistant Professor

Mr. Srikantha Gowda R
18/5/19

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

Dr. Kamalakshi Naganna
20/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Lohith K R

2. Anuradha B

Lohith K R
27/5/19

Anuradha B
27/5/19

Principal

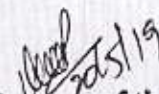
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru

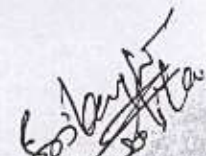
Department of Computer Science and Engineering

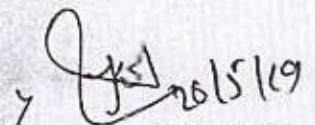


Certificate

Certified that the Mini Project Work entitled "ROTATING FAN" carried out by SALIL SANKRITYA (ISG16CS091) & SHANTANU PAWAR (ISG16CS097), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Lolita K R

2. Anusadha B

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

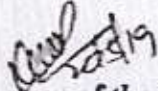
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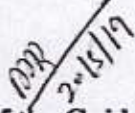
Department of Computer Science and Engineering

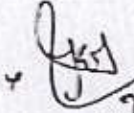


Certificate

Certified that the Mini Project Work entitled "Visualized Traffic Signal" carried out by RASHMI SURYA (ISG16CS085), SHOBHA K (ISG16CS101), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners


Signature with Date

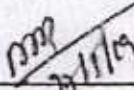
1. Sobitha K.R.

2. Anuradha B.


Principal

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


27/5/19


27/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

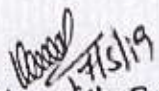
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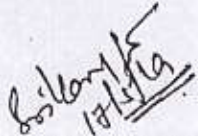
Department of Computer Science and Engineering

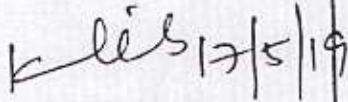


Certificate

Certified that the Mini Project Work entitled "Working of nuclear power plant using Open GL" carried out by RAKSHITHA G (ISG16CS082), RASHMI S P (ISG16CS084), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

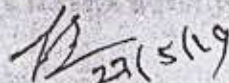
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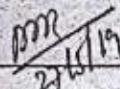
1. Solutesh K R

2. Amrutha B


Principal

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


22/5/19


27/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Water Cycle using Open GL" carried out by ANJAL D (SG17CS401) & BHAVYA V (ISG17CS403), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visveswaraiah Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaithra 21/5/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

Srikanth 21/5/19
Signature of the Guide
Mr. Srikanth Gowda R
Assistant Professor

K. Lakshmi 21/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Asif Ulla Khan

Asif 21/5/19

2. Srinanth Gowda R

Srinanth 21/5/19

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

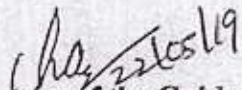
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

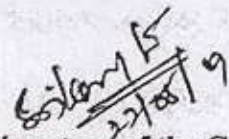
Department of Computer Science and Engineering




Certificate

Certified that the Mini Project Work entitled "Visualizing System for Prim's Algorithm" carried out by SUREEN AZMI M (ISG16CS135), SHWETHA R (ISG16CS137), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mr. Srikanth Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

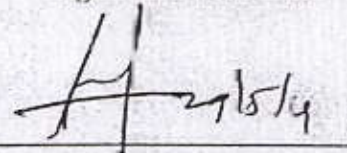
EXTERNAL EXAMINATION

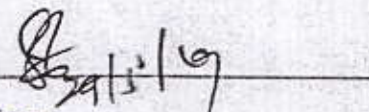
Name of the Examiners

1. Asit Ulla Khan

2. Srikanth Gowda R

Signature with Date


21/5/19


21/5/19

Principal


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

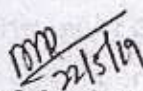
Department of Computer Science and Engineering

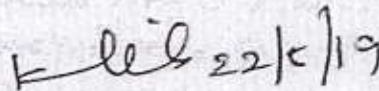


Certificate

Certified that the Mini Project Work entitled "Network Communication through Firewall using OpenGL" carried out by JAI VENKATA SAI SRI RAM BATCHU (ISG16CS039), DEVANSHU SINGH (G16CS028) 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 2019-2020. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

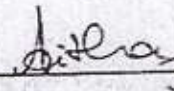
EXTERNAL EXAMINATION


Name of the Examiners

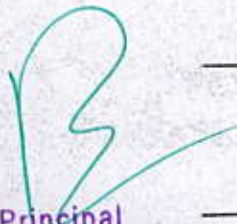
Signature with Date

1. Anitha.k

2. Supreethe J


31/5/19


31/5/19


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

2018-2019

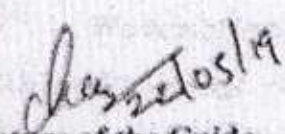
SAPTHAGIRI COLLEGE OF ENGINEERING
14-5, Chikkasandra, Hesaraghatta Main Road, Bangalore - 560057

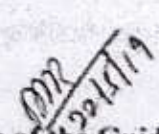
Department of Computer Science and Engineering

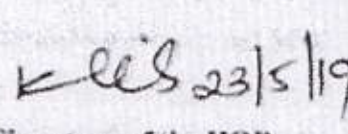


Certificate

Certified that the Mini Project Work entitled "Simulation of 3D Car" carried out by KARTHIK L(15GI16CS043) & JEEVAN B K(15GI16CS042), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(1C)


EXTERNAL EXAMINATION


Name of the Examiners

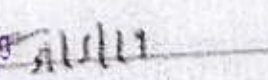
Signature with Date

1. Anitha K

2. Supriya


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


31/5/19


31/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

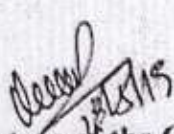
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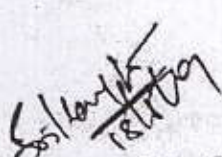
Department of Computer Science and Engineering

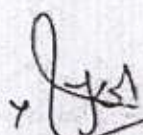


Certificate

Certified that the Mini Project Work entitled "Environmental Pollution using Open GL" carried out by RAMYA R (ISG16CS413) & SWATHI H S (ISG16CS418), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (ISCSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

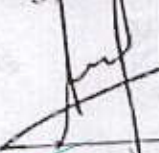
EXTERNAL EXAMINATION

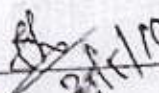
Name of the Examiners

1. Asif ullo Khan

2. Srikantha Gowda R

Signature with Date


29/5/19


29/5/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Roac.
Bangalore - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

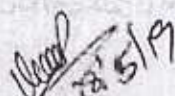
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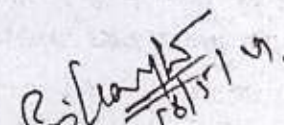
Department of Computer Science and Engineering

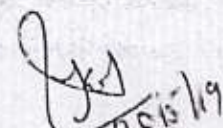


Certificate

Certified that the Mini Project Work entitled "CONGESTION CONTROL USING OPENGL" carried out by TEJASWINI N R (ISG16CSI34) AND NAVYA S (ISG16CSI30) 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veen K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

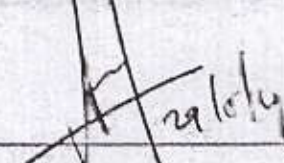
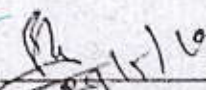

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Amit Vilekar
2. Srikantha Gowda R

Signature with Date

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

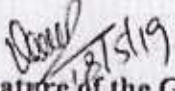
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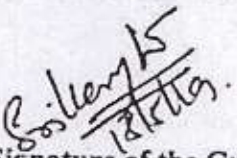
Department of Computer Science and Engineering

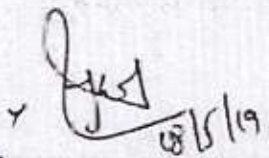


Certificate

Certified that the Mini Project Work entitled "3D WEATHER SIMULATION" carried out by PRIYANKA D(ISG17CS413) and SHREELAKSHI M M(ISG17CS415), 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 2018-2019. 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 CG Laboratory with Mini Project (1SCSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R.
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

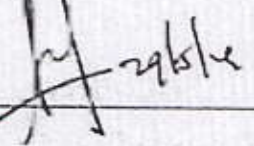
EXTERNAL EXAMINATION

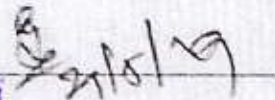
Name of the Examiners

Signature with Date

1. Aziz Ulla Khan

2. Srikantha Gowda R


28/5/19


28/5/19


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

SAPTHAGIRI COLLEGE OF ENGINEERING

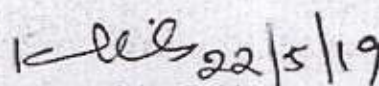
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

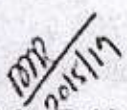
Department of Computer Science and Engineering

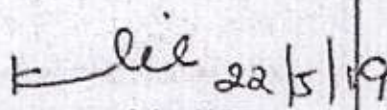


Certificate

● Certified that the Mini Project Work entitled "Graphical Implementation of Haloed Lines using Open GL" carried out by ANAGHA R(1SG16CS009) & HARSHITHA B H(1SG17CS406), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

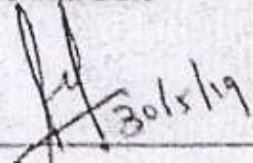
EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ullah Khan

2. Gokanthakonda . R

Signature with Date


22/5/19


Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Client Server Communication using Open GL" carried out by NIHARIKA S (ISG16CS062) & KAVYA C (ISG16CS136), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visveswararaja Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaitra 20/05/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

Srikanth 20/05/19
Signature of the Guide
Mr. Srikanth Gowda R
Assistant Professor

K. L. S. 20/05/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asst Ulla Khan

2. Srikanth Gowda R

Signature with Date

[Signature]
20/05/19

[Signature]
20/05/19

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Main Road,

Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "3D TEXT ANIMATION" carried out by VRUNDA C (JSG16CS139), bona fide student 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaithra
21/5/19

Signature of the Guide
Mrs. Chaithra
Associate Professor

Srikanth Gowda R
20/5/19

Signature of the Guide
Mr. Srikanth Gowda R
Assistant Professor

K. Kamalakshi Naganna
21/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ullah Khan

2. Srikanth Gowda R

Signature with Date

Asif Ullah Khan
21/5/19

Srikanth Gowda R
21/5/19

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

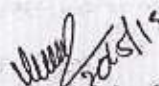
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering

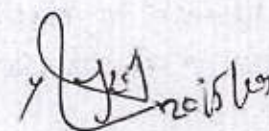


Certificate

Certified that the Mini Project Work entitled "Doubly Linked List" carried out by MANU M C (1SG17CS410) & PUNITH KUMAR B N (1SG17CS414) 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

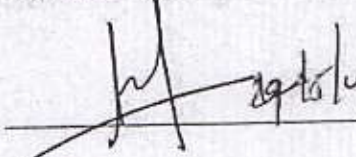
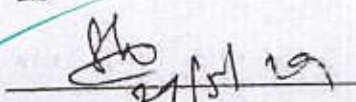

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ullah Khan
2. Srikantha Gowda R

Signature with Date


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

SAPTHAGIRI COLLEGE OF ENGINEERING

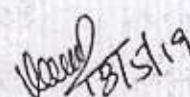
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

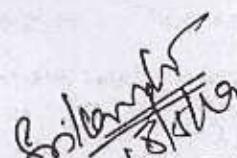
Department of Computer Science and Engineering

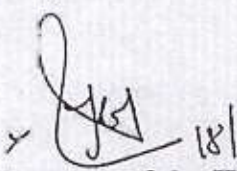


Certificate

Certified that the Mini Project Work entitled "ROBOT" carried out by NALINI J (ISG17CS412) and MEGHALA S (ISG17CS411), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K.R
Assistant Professor


Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

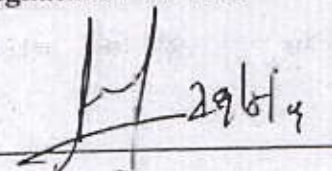

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

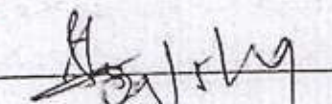
Name of the Examiners


Signature with Date

1. Asif Ulla Khan


29/6/19

2. Sapthagiri College of Engineering


29/6/19


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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Car Parking Simulation" carried out by LOKESH KUMAR N (ISG16CS052) and NAVEEN K (ISG16CS061), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaithra 22/05/19
Signature of the Guide
Ms. Chaithra
Associate Professor

Anuradha 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. Kamalakshi 22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. *Anitha K*

2. *Supriya J*

[Signature]
Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

[Signature] 31/5/19

[Signature] 31/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "3D HOUSE using Open GL" carried out by HARISHA N (16CS035) and HARSHITA P(15G16CS036) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Vigneeswaraya Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CS166) prescribed for the said Degree.

Chaitra 22/5/19
Signature of the Guide
Mrs. Chaitra
Associate Professor

Anuradha 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. Kamal 22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. *Anitha K*

2. *Suparna*

[Signature]
Principal

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

[Signature] 31/5/19

[Signature] 31/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

14-3, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Department of Computer Science and Engineering



Certificate

It is certified that the Mini Project Work entitled "Baseule Bridge Simulation using Open GL" carried out by CHATHURYA.K(ISG16CS024),LAXMI TRIPATHI(ISG16CS050), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaitra 21/5/19
Signature of the Guide
Ms. Chaitra
Associate Professor

Anuradha 21/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. S. S. 22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Anitha K

2. Supriya

S. S. S. 31/5/19

S. S. S. 31/5/19

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Single linked list using Open GL" carried out by **MULLIKARJUN SC (ISG16CS055) & KUMARESH PM (ISG16CS049)**, 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Chaitra 22/05/19
Signature of the Guide
Mrs. Chaitra
Associate Professor

10/2 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. Lil 23/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Anitha.K

Anitha 31/5/19

2. Supreetha

Supreetha 31/5/19

Principal

Sapthagiri College of Engineering
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Bangalore-560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "3D-Bouncing sphere using Open GL" carried out by HANA.D(15G16CSI38), SHILPASHREE.N(15G17CS417) 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 2018-2019. 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 CG Laboratory with Mini Project (15CS168) prescribed for the said Degree.

Chaitra
Signature of the Guide
Mrs. Chaitra
Associate Professor

Srikanth
Signature of the Guide
Mr. Srikanth Gowda.R
Assistant Professor

K. Leil
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ullah Khan

2. Srikanth Gowda.R

Signature with Date

[Signature]

[Signature]
29/5/19

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Main Road,
Bengaluru - 560057.

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Spherical Object Reflection using Open GL" carried out by MONICA M (ISG16CS059) and ASHWINI S (ISG16CS017) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visveshvaraya Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

chaithra 21/5/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

Srikanth 21/5/19
Signature of the Guide
Mr. Srikanth Gowda R
Assistant Professor

K. Kamalakshi 21/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Anitha. K

ditra 31/5/19

2. Supreethe

31/5/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesarahatta Road.

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "snow man" carried out by KIRAN M (1SG16CS047) and MANOJ R (1SG16CS057), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

cha 22/05/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

mm 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

23/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. *Anitha K*

Anitha 31/5/19

2. *Supreetha J*

31/5/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

It is certified that the Mini Project Work entitled "Floating Ball" carried out by AISHWARYA S (ISG16CS005) ANANYA R (ISG16CS010), 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 2019-2020. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

K. N. 22/5/19

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

M. A. 22/5/19

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. N. 22/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Amit Ulla Khan

2. Srinathagouda. R

Signature with Date

[Signature] 22/5/19

[Signature] 22/5/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560 057.

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Electromagnetic Induction using Open GL" carried out by ADARSH R M (ISG16CS003) & AMUL (ISG16CS008), 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 2018-2019. 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 CG Laboratory with Mini Project (15CS168) prescribed for the said Degree.

[Signature] 21/5/19

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

[Signature] 21/5/19

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

[Signature] 21/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Asif Ulla Khan

[Signature] 30/5/19

2. Sankartha Gowde R

[Signature] 30/5/19

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road,

Bangalore - 560

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Graphical implementation of Moving Doll using Open GL" carried out by BINDUSHREE G L (ISG16CS021) & CHITRA G (ISG16CS025), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

K. K. S. 20/5/19

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

10/5/2019

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. K. S. 20/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ullah Khan

2. Siddhartha Goudar

Principal

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

Signature with Date

H. 30/5/19

Asif Ullah Khan

SAPTHAGIRI COLLEGE OF ENGINEERING

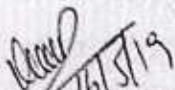
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering

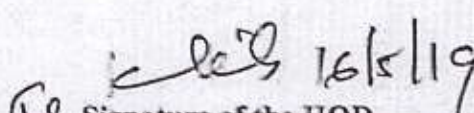


Certificate

Certified that the Mini Project Work entitled "Ship and Iceberg Collision" carried out by TEJESWINI C A (ISG16CS113), SUSHMITHA B TANGADAGI (ISG16CS109), 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Veena K R
Assistant Professor

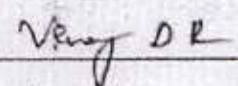

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

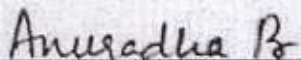

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)
Department Of Computer Science & Engg.
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru-560 057

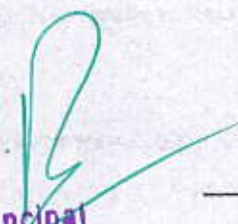
EXTERNAL EXAMINATION

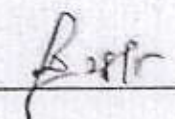
Name of the Examiners

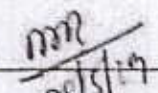
Signature with Date

1. 

2. 


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




28/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Train arrival and departure using Open GL" carried out by LIKHITA R (ISG16CS051) AND ARPITHA B Y (ISG16CS013), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

cha 13/5/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

1002 18/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Anitha - k

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

ditra 31/5/19

2. Supriya

31/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

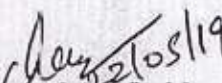
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

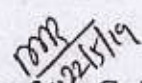
Department of Computer Science and Engineering




Certificate

Certified that the Mini Project Work entitled "Propeller Simulation Using OpenGL" carried out by BINDHU M V (1SG16CS020) & DIVYA (1SG16CS030), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)


EXTERNAL EXAMINATION

Name of the Examiners


Signature with Date

1. Asit Ulla Khan


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

 30/5/19

2. Silpartha Gouda. K

 30/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Simulation of Windmill using Open GL" carried out by
● ITYA DEEP (ISG16CS004) and ABHINETRA KUMAR (ISG16CS001) 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 2018-2019. 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 CG Laboratory with Mini Project
(15CS168) prescribed for the said Degree.

K. Leil 22/5/19
Signature of the Guide
Dr. Kamalakshi Naganna
Professor

M. 22/5/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

K. Leil 22/5/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif Ulla Khan

2. Balanthakumar L.

Signature with Date

Principal

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

22/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

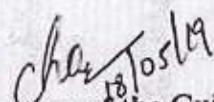
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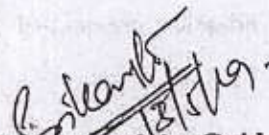
Department of Computer Science and Engineering

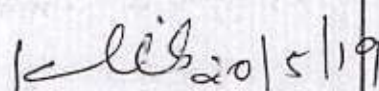


Certificate

Certified that the Mini Project Work entitled "Graphical implementation of Racecar Simulation using Open GL" carried out by MAHERA ALAM (ISG16CS054), MEDHA MANSI (ISG16CS058), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor

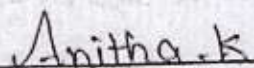

Signature of the Guide
Mr. Srikantha Gowda R
Assistant Professor

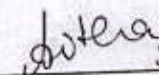

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

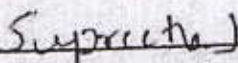
EXTERNAL EXAMINATION

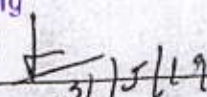
Name of the Examiners

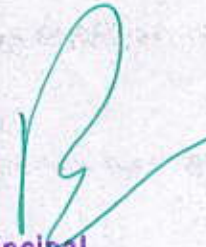
Signature with Date

1.  Anitha K

 31/5/19

2.  Supreetha J

 31/5/19


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

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 550057.

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Graphical implementation of Flowing Fountain using Open GL" carried out by MUSKAN KEDIA (ISG16CS060) & MADHURA K (ISG16CS053), 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 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

cha 20/05/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

anm 20/05/19
Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

Kle 20/05/19
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Anitha. K

Principal

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

2. Supreetha J

Anitha 31/05/19

Supreetha 31/05/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Simulation of Leapin' Lizard using Open GL" carried out by ABHINAV ANAND (ISG16CS002) and AMIR ALI RANGAWALA (ISG16CS007) 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D(IC)

EXTERNAL EXAMINATION

Name of the Examiners

1. Asif ulla Khan

2. Srikanthachandra

Signature with Date

Principal

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

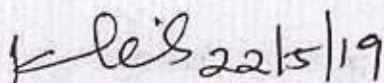
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

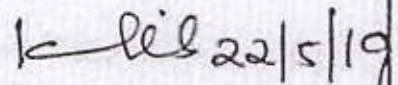
Certified that the Mini Project Work entitled "Working of Table Fan using Open GL" carried out by JANA R (ISG16CS011) & CHAITRA V (ISG16CS023), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. 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 CG Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

 22/5/19

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

 21/5/19

Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor

 22/5/19

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & H.O.D (IC)

EXTERNAL EXAMINATION

Name of the Examiners

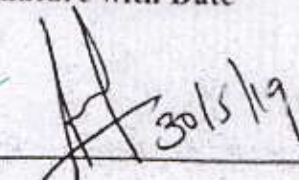
1. Asif Ulla Khan

2. Srikanth Gowda

Signature with Date


Principal

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

 30/5/19

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Computer Science and Engineering



Certificate

Certified that the Mini Project Work entitled "Graphical Implementation of Face Maker using Open GL" carried out by AJITH S (ISG17CS400), AKASH (ISG16CS006) 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 2018-2019. 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 Computer Graphics Laboratory with Mini Project (15CSL68) prescribed for the said Degree.

Signature of the Guide

Mrs. Chaithra

Associate Professor

Signature of the Guide

Mr. Srikantha Gowda R

Assistant Professor

Signature of the HOD

Dr. Kamalakshi Naganna

Professor & Head

EXTERNAL EXAMINATION

Name of the Examiners

Signature with Date

1. Asit Ulla Khan

2. Srikantha Gowda R

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaraghatta Road,

Bangalore- 560 057

29/05/19

29/05/19