

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "AIRLINE RESERVATION SYSTEM" carried out by Preethi R (1SG23CS082), Ashritha K B (1SG23CS020), Meghana L (1SG23CS066), Harshitha C N (1SG23CS043) Abonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Prof. Anuradha .B

(Assistant Professor)

Signature of the HOD

Dr. Kamalakshami Naganna

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "CRICKET SCORE BOARD DISPLAY" Anushree U(1SG23CS014).Hemalatha NL(1SG23CS043) and Hithushree K Gowda(1SG23CS047) carried out bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Prof. Shwetha AB

Signature of the HOD

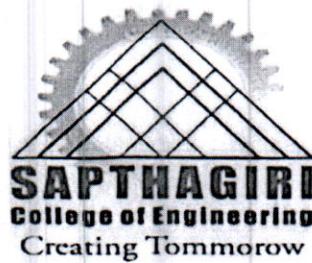
Dr. Kamalakshi Naganna

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

SAPTHAGIRI a COLLEGE OF ENGINEERING

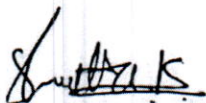
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057


Department of Computer Science and Engineering (Accredited by NBA)



CERTIFICATE

Certified that the Project Work entitled "BUS RESERVATION SYSTEM" carried out by Honnidhi H.A (1SG23CS040), Chandana J.P(1SG23CS031), Kavana H(1SG23CS055) Pragathi sharma (1SG23CS079), Apoorva G.R(1SG23CS015), Jahnvi P Gowda (1SG23CS052) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections /suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide
Shwetha.k


Signature of the HOD
Dr. Kamalakshi naganna


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on "CHESS GAME" carried out by Himanshu Singh (1SG23CS045), Ashish Kumar (1SG23CS019), Ayush Verma (1SG23CS023), Abhay Raj (1SG23CS003), Goutham Kumar (1SG23CS038), Aaryan Kumar (1SG23CS002), submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Lavanya
Assistant Professor
Dept. of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept. of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “UniSap” carried out by Aditya P (1SG23CS005), Pranav Gupta (1SG23CS081), Arnav Singh Thapa (1SG23CS016), Abhishek Saini (1SG23CS004), Nadeem A (1SG23CS069), Ayush Raina (1SG23CS022), submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide

Prof. Lavanya

Assistant Professor

Dept.of CSE, SCE

Signature of the HOD

Dr. Kamalakshi Naganna

Professor and Head

Dept.of CSE, SCE

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057


Department of Computer Science and Engineering

(Accredited by NBA)




Certificate

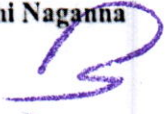
Certified that the Project Work entitled "Design and Development of a Project on Guess The Number" carried out by Bhavana Balachandra Hegde (1SG23CS026), Chaithanya D S (1SG23CS028), Chalana R (1SG23CS029), HR Rakshitha (1SG23CS049) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide

Lavanya K


Signature of the HOD

Dr. Kamalakshi Naganna


Principal
Sapthagiri College of Engineering
14/5, Chikkabandura, Hosuraghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “WEB DEVELOPMENT” carried out by **DHEERAJ V M (1SG23CS035), JASHWANTH V (1SG23CS053), NATRAJ N (1SG23CS070), HONNESH GOWDA S (1SG23CS048), G SHASHANK (1SG23CS037)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Lavanya K
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “WEB DEVELOPMENT” carried out by **PAVAN KUMAR M K (1SG23CS077)**, **NESAR (1SG23CS073)**, **HRUTHIK S (1SG23CS050)**, **AKSHATH V NADIG (1SG23CS008)**, **AJAY JAYRAM (1SG23CS006)**, **AKASH S MULKI (1SG23CS007)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Poornima G
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "PASSWORD STRENGTH CHECKER" carried out by ANKITH V HULLAMANI (ISG23CS012), PRABHUDEVA BN (ISG23CS078), HARISH GOWDA (ISG23CS031), NISCHITHA M (ISG23CS075), HITHA SHREE G (ISG23CS046), MANJUNATH KR (ISG23CS065) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Sheela
24/2/24
Signature of the Guide

PROF. SHEELA RANI CM

K. Nagan
Signature of the HOD

DR. KAMALAKSHI NAGANNA

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.) ISO

9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "HANGMAN GAME USING C" carried out by **M S HARSHINEE SHREE SHARVANI (ISG23CS059)**, **MANASA G (ISG23CS063)** bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Prof. Shwetha A B

Signature of the HOD

Dr. Kamalakshi Naganna

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "MAZE GAME USING JAVA" carried out by Avilash Rout (ISG23CS021), Chandre Gowda S N (ISG23CS032), Hugara Renukaprasad (ISG22CS051), Prem Kumar R (ISG23CS083), Punith Raj H (ISG23CS084) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Shwetha A B

Signature of the HOD

Dr. Kamalakshi Naganna

Principal

Sapthagiri College of Engineering
14/5, Chikkaandra, Hesareghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

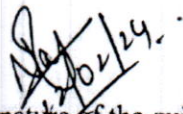
Department of Computer Science and Engineering

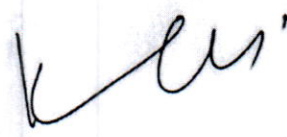
(Accredited by NBA)




Certificate

Certified that the Project Work entitled "DIGITAL CLOCK" carried out by Kusuma D (1SG23CS057), Kruthika T J (1SG23CS056) Chalitha M N Jain (1SG23CS030), Nehal S P (1SG23CS072), Harshitha B (1SG23CS042), Druti N (1SG23CS036) bonafide students of Sapthagiri College of Engineering, in partial fulfilment for the award of Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the guide
Prof. Nagarathna C
Assistant Professor
Department of CSE


Signature of the HOD
Dr Kamalakshi Nagana
Professor and Head
Department of CSE


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on "To do list manager" carried out by **Bharati kumari (1SG23CS025)**, **Anjali singh (1SG23CS011)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Hemalatha K
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “Sudoku Game” carried out by **BHAVANA BALACHANDRA HEGDE (1SG23CS026)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Chaitra P
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

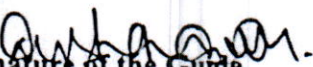
Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "SNAKE GAME USING C" carried out by Ashish.G.Shetty(1SG23CS018), Girish D.R(1SG23CS039), Mahanth D.M(1SG23CS062), Shiva Balaji S Katta(1SG23CS100), Yashwanth E.S(1SG23CS127), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide

Vyshnavi M


Signature of the HOD

Dr. Kamalakshi Naganna


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "CURRENCY CONVERTER" carried out by Monika R (ISG23CS067), Nisha R (ISG23CS076), Soumyashree R A (ISG23CS107), Spoorthi R (ISG23CS108) and Surabhi Desai (ISG23CS113) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Shwetha K

Signature of the HOD

Dr. Kamalakshi Naganna

Principal
Sapthagiri College of Engineering
14/5, Chikkaeandra, Hesaghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "ALARM CLOCK USING C" carried out by TEJASHWINI S N (1SG23CS119), AMBIKA (1SG23CS010), BHOOMIKA H (1SG23CS027), DHANUSHA H N (1SG23CS034), REETHIKA D N (1SG23CS090) bonafide students of Sapthagiri College of Engineering, in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

PROF. HEMALATHA K

Signature of the HOD

DR. KAMALAKSHI NAGANNA

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “Cyber Sprinters” carried out by Rohith R (1SG23CS093), Rajeeva B (1SG23CS086), Shylendra S(1SG23CS103), Sheshank S J(1SG23CS099), submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Vyshanavi M
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “Power Strikers” carried out by **RAKESH ADIGA (1SG23CS087), GURU CHARAN REDDY (1SG23CS068), SRIDHAR GOWDA (1SG23CS109), PRAMOD SHETTY (1SG23CS080), SIRI CHANDAN (1SG23CS105)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Anuradha B
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

2023-2024

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

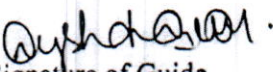
Department of Computer Science and Engineering


(Accredited by NBA)



Certificate

Certified that the Project Work entitled "VOTING SYSTEM" carried out by Maadhu Irappa Avati (1SG23CS060), Bharath.M (1SG23CS024), Arunkumar.A.R (1SG23CS017), Naveed .Ul.Haq (1SG23CS071), K A Ganesh (1SG23CS054), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of Guide
Vyshnavi M


Signature of HOD
Dr. Kamalakshi Naganna


Principal
Sapthagiri College of Engineering
14/5, Chikkaandra, Hasaraghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

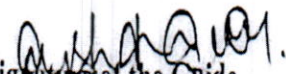
Department of Computer Science and Engineering

(Accredited by NBA)



Certificate


Certified that the Project Work entitled "HANGMAN" carried out by A R Sagar(1SG23CS001), Channabasava V M(1SG23CS033), Rahul(1SG23CS085), Srinivas Reddy(1SG23CS111), Vikas(1SG23CS125), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide

Vyshnavi M


Signature of the HOD

Dr. Kamalakshi Naganna


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “**CODE CRAFTERS**” carried out by **ANUSHA S A (1SG23CS087)**, **SRI LAKSHMI (1SG23CS068)**, **VARSHA R (1SG23CS080)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Roopa Banakar
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "TRAIN RESERVATIONS" carried out by Shruti M (1SG23CS102), Syed Ashika N (1SG23CS116), Rakshitha B (1SG23CS088), Sushma I B (1SG23CS114), Soujanya (1SG23CS106) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Lavanya K

Signature of the HOD

Dr. Kamalakshi Naganna


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “**DEBUG SQUAD**” carried out by **SAMPATH (1SG23CS097)**, **SINCHANA C (1SG23CS104)**, **VARSHINI PATIL (1SG23CS114)**, **VISHALAKSHI KOTI (1SG23CS126)**, **SAHANA U DESHMUKH (1SG23CS094)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Poornima G
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “**THE ACHIVERS**” carried out by **RAKSHITHA B (1SG23CS049)**, **SHRUSTI (1SG23CS102)**, **SYED ASHIKA (1SG23CS116)**, **SOUJANYA (1SG23CS107)**, **SUSHMITHA (1SG23CS114)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Lavanya K
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057


Department of Computer Science and Engineering

(Accredited by NBA)




Certificate

Certified that the Project Work entitled "TIC-TAC-TOE GAME" carried out by Likitha v yadav (1SG23CS058), Swetha (1SG23CS115), Ramya R (1SG23CS089) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide

Dr. Madhavi Dasari


Signature of the HOD

Dr. Kamalakshi Naganna


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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "FLAPPY BIRD" carried out by Reha Srikanta (1SG23CS091), Sahil (1SG23CS095), Sameeksha Patel (1SG23CS096), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

Prof. Shashi Rekha

Signature of the HOD

Dr. Kamalakshi Naganna

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru - 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on "RANGERS" carried out by RISHAB N (1SG23CS092), SHREYA PRAVEEN RAMADURG (1SG23CS101), VARSHA B GOWDA (1SG23CS122), TEJAL L (1SG23CS117), MANISH KUMAR (1SG23CS064), submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Bhanujiyothi
Assistant Professor
Dept. of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept. of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "HANGMAN GAME" carried out by TEJASWINI (ISG23CS120), AKSHATHA (ISG23CS009) & MAHALAKSHMI (ISG22CS061) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.

Signature of the Guide

BHANUJYOTHI . H.C

Signature of the HOD

Dr. KAMALAKSHI NAGANNA

Sapthagiri College of Engineering
1415, Chikkaandra, Hosurapalle Main Road,
Bengaluru - 560 087

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
14/5, Chikkasandra, Hesarghatta Main Road Bengaluru – 560057

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



CERTIFICATE

This is to certify that the Mini Project Report on “TECH ARMY” carried out by **TEJAS T M (1SG23CS118), VAISHNAV RAGAVENDRA R (1SG23CS121), SRUJAN G Y (1SG23CS112)**, submitted in the partial fulfilment for the III Semester examination of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the academic year 2023- 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

Signature of the Guide
Prof. Madhushree
Assistant Professor
Dept.of CSE, SCE

Signature of the HOD
Dr. Kamalakshi Naganna
Professor and Head
Dept.of CSE, SCE

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade

Bengaluru-560057

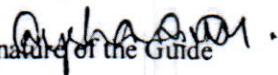
Department of Computer Science and Engineering

(Accredited by NBA)




Certificate


Certified that the Project Work entitled "WEB DESIGN" carried out by Sanchit Saini (ISG23CS098) students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library.


Signature of the Guide

vyshnavi manjunath


Signature of the HOD

Dr. Kamalakshi Naganna


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