S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ukkunagar, Bannerughatta, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka-560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**MALWARE DETECTION: A FRAMEWORK FOR REVERSE ENGINEERED ANDROID APPLICATIONS THROUGH MACHINE LEARNING ALGORITHM**" has been successfully carried out by **MONIKA BM(1SP19CS056), MONISHA D(1SP19CS057), MOULYA P(1SP19CS058), SAMRUTHA M(1SP19CS062)** of 8th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**. The project report has been approved as it satisfied the academic requirement in respect of the project work prescribed for Bachelor of Engineering.

12/5/23

Signature of Guide

Prof.Surendranatha Gowda

12/05/23

Signature of HOD

Dr. B.Loganayagi

Prof and HOD,CSE

Signature of Principal

Dr. B. Venkata Narayan

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**INTRUSION DETECTION FOR SECURE SOCIAL INTERNET OF THINGS BASED ON COLLABORATIVE EDGE COMPUTING**" has been successfully carried out by **Mr.ANUPAM SWAROOP RAJAN(1SP18CS010), Ms. JYOTI(1SP18CS030), Mrs. JYOTI KUMARI(1SP19CS039), Mr. MD MUSABBIR(1SP19CS053)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2023. The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Asst. Prof. Soujanya C N	**Dr. B. Loganayagi**	**Dr. B Venkata Narayan**

Name of Examiner	Signature with Date
1.	
2. Lgosba Prathbeeba HP	24/5

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"TWITTER ATTRIBUTE CLASSIFICATION WITH MACHINE LEARNING & DEEP LEARNING ON BITCOIN PRICE PREDICTION"** carried out by **RAKSHITHA.S(1SP19CS084),THEGALAPALLI MOUNIKA(1SP19CS104),USHA MP(1SP19CS110), YASHASWINI (1SP19CS122)** a bonafide student of **S.E.A. College of Engineering &Technology**, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

12/05/23	12/05/23	
Prof. SUKESH H A	Dr.B LOGANAYAGI	Dr.B VENKATA NARAYANA
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner — Signature with date:

1. Sunitha Ubaithanas — 24/5
2. Lyrosha Phathooba HP — 24/5

S.I.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "[redacted]" has been successfully carried out by K VISHNU VARDHAN(1SP19CS040),SAIKUMAR(1SP19CS092),SOHANTATARI (1SP19CS098),VADDI SHIVAPPA(1SP19CS112) of VIII semester in fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi During the year 2022-2023 The project report has been approved as it satisfied the academic requirement in respect of the project work prescribed for Bachelor of Engineering.

15/05/23

Signature of Guide
Asst.Prof. Mrs.Sushma B.A

Signature of HOD
Dr.B Loganayagi

Signature of Principal
Dr. B Venkata Narayana

Name of the Examiner

1. Nagaraja V K
2. Jagadeesh H N

Signature with Date

25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, VirgoNagar Post, K R Puram, Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINIEERING

CERTIFICATE

This is to certify the project work entitled "**GROUND WATER LEVEL PREDICTION USING MACHINE LEARNING APPROACH**" has been successfully carriedout by **Mr. P ARAVIND (1SP19CS068), Mr. RAVIKUMAR J(1SP19CS086), Mr. SAFWAN AHMED SAFI(1SP19CS089), Mr. SYED KHABEERULLA(1SP19CS102)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science andTechnology of the Visvesvaraya Technological University, Belgaum during the year 2022.The project report has been approved as it satisfied the academic requirement in respect of theProject work prescribed for the Bachelor of Engineering.

Signature of Gu ide	Signature of HOD	Signature of Principal
Asst.Prof. Koushika K H	**Dr. B. Loganayagi**	**Dr. B Venkata Narayan**
13/5/23	13/05/23	
Signature of Internal Examiner		Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"A HYBRID AIR QUALITY INDEX PREDICTION MODEL BASED ON CNN AND ATTENTION GATE UNIT"** carried out by **ABHILASH S (1SP19CS002), DILEEP K C (1SP19CS025), JAGATI BHANU PRAKASH (1SP19CS036) and MANOJ KUMAR S(1SP19CS050)**, a bonafide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

18/5/23	18/05/23	
Asst.Prof. Surendranatha gowda	**Dr.B.Loganayagi**	**Dr. B.Venkata Narayana**
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**

External Examiner **Signature with date:**

1. Navya V.K 22/5/23
2. Jayashri M 22/5/23

B. N. M. COLLEGE OF ENGINEERING & TECHNOLOGY,
B. N. M. I. S. R. D. - 49 Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled "Cross-Dataset Learning For Age Estimation" carried out by **M Rakesh (1SP19CS048), P SivaTeja (1SP19CS072), V Sathish Kumar (1SP19CS111), Chandu L(1SP19CS027)**, we bonafide student of B. N. M. College of Engineering &Technology, in partial fulfillment for the 8th semester of Bachelor **of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Prof. Jitendranath Gunda
Signature of the Guide

Dr. B Anjanayaji
Signature of the HOD

Dr. B Venkata Narayana
Signature of the Principal

External Examiner

Signature with date:

1 Manoj V V

2 Thippeswamy M

25/5/23

25/5/23

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY
BANGALORE – 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"WEARABLE SPEECH-BASED FEEDBACK SYSTEM FOR VISUALLY IMPAIRED USING IOT SENSOR"** carried out by Mr. **Abishek Roy (1SP19CS003)**, Mr. **Roshan (1SP19CS088)**, Mr. **Suprakrit Debnath (1SP19CS101)**, Mr. **Tiwari Shivam Jaikrishna (1SP19CS106)** a bonafide student of S.E.A. College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Guide	Signature of HOD	Signature of Principal
Prof. Soujanya C N	**Dr. B. Loganayagi**	**Dr. B Venkata Narayan**

External Viva

Name of the Examiners

1. [illegible]

2. Jagadeesha Bhatkande HP

Signature with date

1.

2. 24/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ALZHEIMERS DISEASE DETECTION USING COMPREHENSIVE ANALYSIS OF TIMED UP AND GO TEST VIA KINETIC V,2 CAMERA AND MACINE LEARNING "** has been successfully carried out by **AMITH B.M(1SP19CS006), EERAPARAJU BHARATH(1SP19CS026), GURUDATT YADAV (1SP19CS029), SHAHID IRFAN(1SP19CS095)** in fulfilmenting compare for the award of **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** During the year 2022-2023.The project report has been approved as it satisfied the academic requirement in respect of the mini project worAND Ak prescribed for Bachelor of Engineering.

Signature of Guide
Prof. Sukesh H.A

Signature of HOD
Dr.B.Loganayagi
26/5/23

Signature of Principal
Dr. B Venkata Narayan

Name of the Examiner

Signature with date

1. Dr. B. Loganayagi
2. Jagadeesha Bhattacharya HP — 26/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**A Online media Bot Identification using Machine Learning Algorithm For Twitter Social Networks**" has been successfully carried out by **Mr. APOORVA CHAKMA (1SP19CS007), Mr. PRANITH JAIN(1SP19CS074), Mr. PRASHANT KUMAR (1SP19CS075), Mr. RAHUL THAKUR(1SP19CS081)** of VIII Sem in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2022 Theproject report has been approved as it satisfied the academic requirement in respect of the Project work prescribed forthe Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Asst Prof. Jaya Shri M	**Dr. B. Loganayagi**	**Dr. B Venkata Narayan**

Examiners:

1: Sumitha Chaitkumar

2: Lyosha Pratheeba HP

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"AN ANDROID & IOT APPLICATION FOR SECURITY SYSTEM OF MANKIND : A MONITORING, TRACKING AND RESPONDING DEVICE"** carried out by **Ashritha Shetty. M (1SP19CS009),Neha Mohre.S(1SP19CS066),Sahana.M(1SP19CS091),Thejashwini.B.K(1SP19CS105),** We the bonafide Students of S.E.A. College of Engineering &Technology,in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

K H 18/5/23

Asst.Prof Mrs.Koushika K H
Signature of the Guide

18/05/23

Dr. B Loganayagi
Signature of the HOD

Dr. B Venkata Narayana
Signature of the Principal

External Examiner

1. Ashritha Shetty
2. Jyothsna Prathibha HP

Signature with date:

25/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**QORA-ANN: Quasi Opposition Based Rao Algorithm and Artificial Neural Network For Cryptocurrency Prediction**" has been successfully carried out by **Mr. HIMANSHU KUMAR SHARMA(1SP19CS035), Mr. MD AFTAB HUSSAIN (1SP19CS051), Mr. MD MAJID ANWER (1SP19CS052), Mr. MOZAMMIL HUSSAIN (1SP18CS059)** of VIII Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum** during the year 2022. The project report has been approved as it satisfied the academic requirement in respect of theProject work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Prof. Saswati Behera	**Dr. B. Loganayagi**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**WORD EMBEDDING OVER LINGUISTIC FEATURES FOR FAKE NEWS DETECTION**" has been successfully carried out by **CHANDANA H R (1SP19CS020), SOUNDARYA (1SP19CS099), PACHIPALA INDU(1SP19CS070), TREESA MARIAM KURIAN (1SP19CS107)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2022.

The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Prof. B. L Jayakumar	**Dr. B Loganayagi**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner

NEW HORIZON COLLEGE OF ENGINEERING AND TECHNOLOGY

Ring Road, Near Marathahalli Bridge, Outer Ring Road, Kaikondrahalli, Bengaluru, Karnataka 560103

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**An Efficient and Simple method for Semantic Segmentation**" has been successfully carried out by **Mr. SATHVIK KUMAR NS (1SP19CS094), Mr. TEHSEEN NAYEEM KHAN (1SP19CS103), Mr. UJWAL M (1SP19CS108), Mr. VIKASH THAKUR(1SP19CS118)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of Visvesvaraya Technological University, Belgaum during the year 2022-23. The project report has been approved as it satisfied the academic requirement in respect of theProject work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Mrs. Sushma B A	**Dr. B. Loganayagi**	**Dr. B Venkata Narayana**

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"SMART AGRICULTURE USING DECISSION TREE IN IoT"** carried out by **Chennaiahgari Sharath (1SP18CS017), Dakshiraju Siva (1SP18CS018), Vamshi D S (1SP19CS114), Vamshi H V (1SP19CS115),** we bonafied student of S.E.A. College of Engineering &Technology, in partial fulfillment for the 8th semester of Bachelor **of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree

Prof. Mrs. Saswati Behera	**Dr. Loganayagi B**	**Dr. B Venkata Narayana**
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner | Signature with date:

1.

2. Jagadeesha Pavithra HP

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"SECURE MESSAGE HANDLING IN VEHICULAR ENERGY NETWORKS"** carried out by **H Anu Sree(1SP19CS30), Nandini J(1SP19CS63), Naseeba Banu(1SP19CS064) and Shwetha.V(1SP19CS096)**, a bonafide student of S.E.A. College of Engineering & Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof.SUKESH H A	**Dr. B LOGANAYAGI**	**Dr.B VENKATA NARAYANA**

External Examiner Signature with date:

1. Shwetha Vidyakumar

2. Lyngba Bratheeba HP

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"FETAL HEALTH STATUS PREDICITION BASED ON MATERNAL CLINICAL HISTORY USING ML"** carried out by **Harish Kumar N (1SP18CS026), Santhosh K N (1SP18CS061), Abhignya Reddy N (1SP19CS001) and Harsha V M (1SP19CS032)**, a bonafide students of S.E.A. College of Engineering & Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Projectwork prescribed for the said Degree.

Signature of the Guide
Prof. JAYAKUMAR B L

Signature of the HOD
Dr. B LOGANAYAGI

Signature of the Principal
Dr. B VENKATA NARAYANA

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled "**A MACHINE LEARNING MODEL FOR BRAIN TUMOR SEGMENTATION AND RADIOMICS SURVIVAL PREDICTION**" carried out by GARIKAPATI CHANDANIKA (1SP19CS023), RANJITHA RABU B A (1SP19CS085), ROOPA D (1SP19CS087) and SANGA SAI PRATHYUSHA (1SP19CS093) bonafide students of S.E.A. College of Engineering & Technology, in partial fulfillment for the **5th** semester of **Bachelor of Engineering in Computer Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Signature of Guide
Mrs. Keerthika K H

Signature of HOD
Dr B Loganayagi

Signature of Principal
Dr. B Venkatanarayana

External Examiner

1

2

Signature with date

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"LIVE OBJECT DETECTION USING YOLO FRAMEWORK"** has been successfully carried out by **Mr. AJITH BABU R R(1SP19CS005), Mr. DHUSHYANTH H M(1SP19CS024), Mr. HEMANTH R (1SP19CS034), Mr. NAVEEN KUMAR M(1SP19CS065)** of VIII sem in partial fulfilment for the award of **Bachelor Of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the project work prescribed for Bachelor of Engineering.

11/05/23

Signature of Guide

MRS. SUSHMA B A

11/05/23

Signature of HOD

DR. B.LOGANAYAGI

Signature of Principal

DR. B. VENKATA NARAYANA

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled "**HYBRID GAS LEAK DETECTION SYSTEM WITH VOICE ASSISANT AND ALERTS**" carried out by **Archana M (1SP19CS008), P Yeshaswini (1SP19CS070), Prathiba G B (1SP19CS077) and Alisha Eurovee (1SP19CS123)** a bonafide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the **8th** semester of **Bachelor of Engineering in Computer Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

18/05/23	18/05/23	
Prof. Sukesh H A	**Dr.B Loganayagi**	**Dr. B Venkatanarayana**
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner

Signature with date:

1. Navya V.S
2. Jayashri M

25/5/23

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

1 Km Nagar, Basavanpura, Virgonagar Post, K R Puram, Bengaluru, Karnataka-560049

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"CNN AND YOLOV5 BASED MODEL FOR FOREST FIRE DETECTION SYSTEM"** carried out by ASHWINI K R (1SP19CS010), ASHWINI P(1SP19CS011) and BOOMIKAP(1SP19CS017), KAVYASHREE M V(1SP19CS042) a bonafide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the **8th** semester of **Bachelor of Engineering in Computer Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Guide	Signature of HOD	Signature of Principal
Dr.B.LOGANAYAGI	Dr.B.LOGANAYAGI	Dr.B.VENKATANARAYANA

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-49

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the project work entitled **"ZERO-DAY NETWORK INTRUSION DETECTION APPROACH USING MACHINE LEARNING ALGORITHMS"** carried out by **BABU A (1SP19CS012), KIRAN T (1SP19CS043), MANOJ KUMAR M (1SP19CS049), NAVEEN M (1SP20CS401)** , a bonafied student of S.E.A College Of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023 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 Project work prescribed for the said degree.

Asst.Prof. JAYASHRI M	**Dr. B LOGANAYAGI**	**Dr. B. VENKATA NARAYANA**
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal**

INTERNAL EXAMINER

EXTERNAL EXAMINAR

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY.

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"AN ANDROID & IOT APPLICATION FOR SECURITY SYSTEM OF MANKIND : A MONITORING, TRACKING AND RESPONDING DEVICE"** carried out by **Ashritha Shetty. M (1SP19CS009), Neha Mohre.S(1SP19CS066), Sahana.M(1SP19CS091), Thejashwini.B.K(1SP19CS105).** We the bonafide Students of S.E.A. College of Engineering &Technology.in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Asst.Prof Mrs.Koushika K H
Signature of the Guide

Dr. B Loganayagi
Signature of the HOD

Dr. B Venkata Narayana
Signature of the Principal

External Examiner

1. Ashritha Shetty
2. Lyndon Pradheeban HP

Signature with date:

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"PARKINSON'S DISEASE DETECTION USING SPIRAL TEST BASED ON CNN"** carried out by **Bhanu Priya G (1SP19CS014), Boyapati Praveen (1SP19CS018), Lavanya M (1SP19CS047) and Nischitha N S (1SP20CS400)**, a bonafide students of S.E.A. College of Engineering & Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project reporthas been approved as it satisfies the academic requirements in respect of Project workprescribed for the said Degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Asst Prof. JAYASHRI M	**Dr. B LOGANAYAGI**	**Dr. B VENKATA NARAYANA**

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049
Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled "**Chauffeur behaviour recognition based on convolution neural system**"carried out by Nimishambha Bharani S (1SP19CS067), Pushpa Yadav (1SP19CS079) and Raksha.M (1SP19CS083) a bonafide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Signature of Co-ordinator	Signature of HOD	Signature of principle
Prof. B.E Jayakumar	**Dr.B Loganayagi**	**Dr. B Venkata Narayana**

External Examiner

1) Samitha Velaikumari
2) Lynsha Prathaaba HP

Signature with date

24/5

Lynsha HP 24/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled **"STRENGTHENING DATA PROTECTION IN PUBLIC CLOUD STORAGE THROUGH MULTIPLE ATTRIBUTE AUTHORITY ACCESS CONTROL"** has been successfully carried out by **BHAVANI P (1SP19CS015), SNEHA A (1SP19CS097), SUBHASHINI P (1SP19CS100), VIDYASHREE S R (1SP19CS117)** a bonafide students of **S.E.A. College of Engineering & Technology** in partial fulfilment for the award of **Bachelor of Engineering** in Computer Science and Engineering of Vishveshvaraya Technological University, Belagavi during the year **2022-2023.** Thus, it is certified that all corrections/suggestion indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved, as it satisfies the academic requirement in respect of Project work prescribed for the said Degree.

15/05/2023	15/05/2023	
Prof. Dr. B. LOGANAYAGI	**Dr. B. LOGANAYAGI**	**Dr. B. VENKATANARAYAN**
Signature of the Guide	Signature of the HOD	Signature of the Principal

EXAMINERS:

	Name	**Signature**
1.	Sireesha Vikas Kumar	
2.	Jyostna HP Prathecha	Jyostnahp 24/5

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"EXPLORING E-COMMERCE PRODUCT EXPERIENCE BASED ON FUSION SENTIMENT ANALYSIS METHOD"** carried out by **AJAY D V(1SP19CS004), NAGENDRA G(1SP19CS061), P VAMSI(1SP19CS069), PRASHANTH V(1SP19CS076),** a bona fide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Prof. Mrs. Sreeja S Pillai	**Dr. B Loganayagi**	**Dr. B Venkata Narayana**
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner

1. Sumitha Udaikumar
2. Jyotsna Pratibha HP

Signature with date:

Jyotsna 24/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**A Deep Learning Approach for Liver and Tumor Segmentation**" has been successfully carried out by **Ms Muskaan Kumari(1SP19CS060), Ms. Deekshitha R(1SP19CS023), Ms. Bavitha Vyas (1SP18CS012), Bibek K Sah(1SP19CS016)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science andTechnology of the Visvesvaraya Technological University, Belgaum during the year 2022.The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

Signature of Guide

Prof. Soujanya CN

Signature of HOD

Dr. B. Loganayagi

Prof and HOD of CSE

Signature of Principal

Dr. B Venkata Narayana

Signature of Internal Examiner

1. Jayashri. M

2.

Signature of External Examiner

1. Nayak V K

2.

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled "**EPILEPSY PREVENTION USING IMPROVED GENETIC ALGORITHM OPTIMIZED MULTILAYER NETWORK**" carried out by **Mr.Hemanth K (1SP19CS033), Mr.Mohammad Ishak M (1SP19CS054), Mr.Rahul S (1SP19CS080) and Mr.Rajesh S (1SP19CS082)** a bonafide students of S.E.A. College of Engineering &Technology, in partial fulfillment for the **8th** semester of **Bachelor of Engineering in Computer Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Mrs. Saswati Behera	**Dr.B Loganayagi**	**Dr. B Venkata Narayana**
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner

Signature with date:

1. Navya. V. K
2. Jayashri. M

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, Vargonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"DESIGNING OF IMPROVED MONITORING SYSTEM FOR CRACK DETECTION ON RAILWAY TRACKS"** has been successfully carried out by **UMESH SINGH BIST(1SP19CS109), SAGAR P.C(1SP19CS090), PRAVEEN KAMADENU(1SP19CS044), KRISHNA JHAMBAGI(1SP19CS078)** in fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** During the year 2022-2023 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering

Signature of Guide	Signature of HOD	Signature of Principal
Prof. Surendranath Gowda	**DR.B.Loganayagi**	**Dr. B Venkata Narayan**

Name of the Examiner	Signature with date
1	
2	

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY, BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the project work entitled **"PREVENTION OF BLACKHOLE ATTACK IN MANET'S"** carried out by **Hansitha k(1SP19CS031), Jayanth N S(1SP19CS037), Vinay A(1SP19CS120),** a bona fide student of S.E.A. College of Engineering &Technology, in partial fulfillment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

16/5/23	15/05/23	
Prof. Mrs. Sreeja S Pillai	**Dr. B Loganayagi**	**Dr. B Venkata Narayana**
Signature of the Guide	Signature of the HOD	Signature of the Principal

External Examiner

Signature with date:

1. Sanitha Vaithanad
2. Lyosha Pratheeba HP — Lyosha 24/5

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Data Science and Machine Learning"** carried out by **RANJITHA BABU B A (1SP19CS085)**, bonafide student of S.E.A College Of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023 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 internship work prescribed for the said degree.

Signature of Coordinator	Signature of HOD	Signature of Principal
Mr. JAYAKUMAR B.L	Dr. B. LOGANAYAGI	Dr.B.VENKATANARAYANA

INTERNAL EXAMINER

EXTERNAL EXAMINER

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled **"COLLEGE STUDENTS MANAGEMENT SYSTEM"** has been successfully carried out by **Mr. Md Aftab Hussain (1SP19CS051),** of VIII sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University,Belgaum** during the year **2023**.The internship report has been approved asit satisfied the academic requirement in respect of the internship work prescribed for Bachelor of Engineering.

Signature of Coordinator
B.L Jayakumar

Signature of HOD
Dr. B Loganayagi

Signature of Principal
Dr. B Venkata Narayan

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"PHARMACY MANAGEMENT SYSTEM "** carried out by **GARIKAPATI CHANDANIKA (1SP19CS027)**, bonafide student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree.

Signature of the Coordinator	Signature of the HOD	Signature of the Principal
Mr. JAYAKUMAR B L	Dr. B. LOGANAYAGI	Dr.B.VENKATA NARAYANA

24/5/23

INTERNAL EXAMINER

24/5/23

EXTERNAL EXAMINER

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"PHARMACY MANAGEMENT SYSTEM "** carried out by **GARIKAPATI CHANDANIKA (1SP19CS027)**, bonafide student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree.

Signature of the Coordinator	Signature of the HOD	Signature of the Principal
Mr. JAYAKUMAR B L	Dr. B. LOGANAYAGI	Dr.B.VENKATA NARAYANA

INTERNAL EXAMINER

EXTERNAL EXAMINER

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU - 560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

Certified that the internship entitled **"Django Coding Internship"** carried out by **Mr. MOZAMMIL HUSSAIN (1SP19CS059)**, benefited student of S.E.A College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum** during the year **2022-2023**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of Coordinator	Signature of HOD	Signature of Principal
Asst. Prof. Jayakumar B.L	**Dr. B Loganayagi**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled —**SERIAL SIMULATOR USING CVI**"carried out by **DHUSHYANTH HM (1SP19CS024)**, bonafied student of S.E.A College Of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed forthe said degree.

Signature of Co-ordinator	Signature of HOD	Signature of Principal
PROF.JAYAKUMAR B L	**DR. B.LOGANAYAGI**	**DR. B. VENKATA NARAYANA**

24/5/23

Signature of Internal Examiner

24/5/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"WEB DEVLOPMENT AS INTERN COVID-19"** carried out by **SYED KHABEER ULLA (1SP19CS102)**, bonafied student of S.E.A College Of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering Department** of the **Visvesvaraya Technological University**, Belgaum during the year 2022- 2023. 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 internship work prescribed for the said degree.

Prof. JAYAKUMAR B L	**Dr. B. LOGANAYAGI**	**Dr. B. VENKATA NARAYANA**
Signature of the Coordinator	Signature of the HOD	Signature of the Principal

INTERNAL EXAMINER

EXTERNAL EXAMINER

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE - 49

Department of Computer Science and Engineering

CERTIFICATE

Certified that the internship entitled **"VEHICLE AND PEDESTRIAN DETECTION"** carried out by **ABHILASH.S** and bearing USN **1SP19CS002**, bonafide student of S.E.A. College of Engineering &Technology, in partial fulfilment for the 8th semester of **Bachelor of Engineering** in Computer Science and Engineering Department of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Prof. JAYAKUMAR B L	**Dr. B LOGANAYAGI**	**Dr.B VENKATANARAYAN**
Signature of the Coodinator	Signature of the HOD	Signature of the Principal

INTERNAL EXAMINER

EXTERNAL EXAMINER

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar ,Basavanpura Virgonagar Post K. R. Puram Bangalore -560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled **PYAUDIO MODULE OF ROBOTIC LANGUAGE AUTOMATION** has been successfully carried out by **Mr.NAVEEN M(1SP20CS401),**of VIII sem in partial fulfilment for the award of **Bachelor of** Engineering **in Computer Science and Technology** of the **Visvesvaraya Technological University,Belgaum** during the year **2023**.the internship report has been approved as it satisfied the academic requirement in respect of the internship work prescribed for Bachelor of Engineering

Prof. JAYAKUMAR B L	**Dr.B LOGANAYAGI**	**Dr.B.VENKATA NARAYANA**
Signature of the Co-ordinator	Signature of the HOD	Signature of the Principal

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"Weather prediction using machine learning"** has been successfully carried out by **PACHIPALA INDU** bearing **USN (1SP19CS071)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Computer Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree.

Signature of the Guide	Signature of HOD	Signature of the principal
B.J. JAYAKUMAR	**Dr.B LOGANAYAGI**	**Dr. B VENKATA NARAYANA**

24/5/23

Signature of Internal Examiner

24/5/23

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangalore -560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled "**MACHINE LEARNING USING PYTHON" (Edge Detection using Canny Edge Detection Algorithm)** has been successfully carried out by **Mr. BABU A (1SP19CS012),** of VIII sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.the internship report has been approved as it satisfied the academic requirement in respect of the seminar work prescribed for Bachelor of Engineering

Signature of the Co-Ordinator	Signature of the HOD	Signature of the Principal
Prof. Jayakumar B L	**Dr.B.Loganayagi Ramalingam**	**Dr.B Venkata Narayana**

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**MEDIA PLAYER**" has been successfully carried out by **Mr. AKHIL RAJ,** bearing USN **1SP20CS002**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Asst Prof. SUSHMA B A

Signature of HOD 11/7/23

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Mr RAHUL SHARMA**, bearing **USN 1SP21CS403** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof. SUKESH H A

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled „**Stop Watch**" has been successfully carried out by **Gangadhar BV(1SP20CS019)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESK H A

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ONLINE QUIZ APPLICATION"** has been successfully carried out by **Mr. MANOJ PRASAD**, bearing **USN 1SP20CS030**, of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/07/23

Signature of Co-Ordinator

Mrs. SUSHMA B.A

Signature of HOD

Dr. SUKESH H.A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that project work entitled "**TIC TAC TOE** " has been successfully carried out by **Mr. B.NARESH**, bearing **USN 1SP20CS011**, of 6th semester in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technology University**, Belgaum during the year **2022-2023.** The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Sushma
10/07/23

Signature of the Guide

Mrs.Sushma B.A

10/7/23

Signature of the HOD

Prof. SUKESH H A

Sushma
10/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**MEDIA PLAYER**" has been successfully carried out by **Mr. MUBASHIR RAHMAN** ,bearing USN **1SP20CS032**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma
10/07/23

Signature of Co-ordinator

Asst Prof. SUSHMA B A

12/7/23

Signature of HOD

Prof. SUKESH H A

Sushma
12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanapura,Virgonagar

Post,K.R.Puram,Bangalore-560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Mobile Application Development project work entitled **"EMI AND TAX CALCULATOR" has** been carried out by **MOHAMMED QUBAIB HUSSAIN(1SP20CS031)** bonafide student of SEA College of Engineering and Technology in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2022-2023**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. This MAD project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Sushma 10/7/23

Signature of Guide

Prof. Sushma
Assistant Professor
Dept. of CSE, SEACET

Signature of HOD

Dr. Sukesh
Professor & Head
Dept. of CSE, SEACET

External Viva

Name of the examiners — Signature with date

1.

2.

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ROCK PAPER SCISSORS"** has been successfully carried out by **Ms. LIKITHA C**, bearing **USN 1SP20CS027**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

11/7/23

Signature of HOD

Prof. SUKESH H.A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**QUIZ APPLICATION**" has been successfully carried out by **AYUSH KUMAR** bearing USN **1SP20CS010** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribedfor Bachelor of Engineering.

Sushma
10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

12/07/23

Signature of HOD

Prof. SUKESH H A

12/7/23

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Ms. GEETHA C L**, bearing **USN 1SP20CS020**, of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof. SUKESH H A

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SCIENTIFIC CALCULATOR**" has been successfully carried out **FAIJAN ANSARI (1SP20CS017)** of 6TH sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2020-21.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/7/23

Signature of Guide

Asistant. Prof. SUSHMA B.A

Signature of HOD

Prof. SUKESH H.A

Sushma 12/7/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled "ONLINE GROCERY SHOPPING APPLICATION" has been successfully carried out by **Ms. NADIMUDDIN,** bearing **USN 1SP20CS034,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SUSHMA B.A

Signature of HOD

Dr.B SUKESH H.A

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled '**Simple Math Quiz**' has been successfully carried out by **NAVYA J S (1SP20CS036)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**;the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESK H A

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled "ONLINE GROCERY SHOPPING APPLICATION" has been successfully carried out by **MR. RAJKUMAR OJHA,** bearing **USN 1SP20CS053,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B.A

14/7/23

Signature of Internal Examiner

Signature of HOD

Dr.B SUKESH H.A

14/7/23

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **'Simple Math Quiz'** has been successfully carried out by **NATHASHA R (1SP20CS036)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University, Belagaum** during the year **2022-23** the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESH H A

10/7/23

Signature of Internal Examiner

10/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MEDICINE REMAINDER"** has been successfully carried out by **Ms. BHUVANA.KV,bearing (1SP120CS012)** of sea college of enginnering in the sem 6th sem in partial fulfilment for the award of Bachelor of Engineering in **Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2021-22.The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SUSHMA B.A

Signature of HOD

Prof.Sukesh H A

Signature of Internal Examiner

Signature of External Examiner

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ROCK PAPER SCISSORS"** has been successfully carried out by **Ms. JANHAVI B,** bearing **USN 1SP20CS021,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

11/07/23

Signature of HOD

Prof. SUKESH H.A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that project work entitled "**PIANO APP**" has been successfully carried out by **Mr. CHANDAN YADAV K S**, bearing **USN 1SBDCS013**, of 6th semester in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technology University**, Belgaum during the year **2022-2023.** The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Sushma 10/07/23

Signature of the Guide

Mrs. Sushma B A

Signature of the HOD

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanapura,Virgonagar

Post,K.R.Puram,Bangalore-560049.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Mobile Application Development project work entitled **"EMI AND TAX CALCULATOR" has** been carried out by **Praveen Kumar B K(1SP20CS048)** bonafide student of SEA College of Engineering and Technology in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2022-2023**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. This MAD project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Sushma 10/07/23

Signature of Guide

Prof. Sushma
Assistant Professor
Dept. of CSE, SEACET

Signature of HOD

Dr. Sukesh
Professor & Head
Dept. of CSE, SEACET

External Viva

Name of the examiners | Signature with date

1. 14/7/23
2. 14/7/23

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled „**Stop Watch**" has been successfully carried out by **Charandeep A (1SP20CS014)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESK H A

Signature of Internal Examiner

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Bavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **Farming App** has been successfully carried out by **Naveen M (1SP20CS037)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University, Belagaum** during the year **2022-23** the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESK H A

14/7/23

Signature of Internal Examiner

14/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that project work entitled "**PIANO APP**" has been successfully carried out by **Mr. CHETHANRAJ K N**, bearing **USN 1SP20CS015**, of 6th semester in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technology University**, Belgaum during the year **2022-2023**. The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Sushma 10/7/23

Signature of the Guide

Mrs. Sushma B A

11/7/23

Signature of the HOD

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled '**Stop Watch**' has been successfully carried out by **PRIYA TRIPATHI (1SP20CS049)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma
10/07/23

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESH H A

14/7/23

Signature of Internal Examiner

14/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ektanagar , Basavanpura (K R Puram) ,Bengaluru,karnataka - 560049.
(Affiliated to Visvesvaraya Technological University ,Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MUSIC PLAYER"** has been successfully carried out by **" R ANWAR PASHA (1SP20CS050)"** , of **"6TH"** Sem in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of the **Visvesvaraya Technological University, Belagavi** , during the year of 2023-24 .The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering .

10/07/23
Signature of Guide
Mrs SUSHMA B A

11/07/23
Signature of HOD
Prof. SUKESH H A

14/7/23
Signature of Internal

14/7/23
Signature of External

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ONLINE GROCERY SHOPPING APPLICATION "** has been successfully carried out by **Ms. NIDHI KUMARI,** bearing **USN 1SP20CS040,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B.A

10/07/23

Signature of HOD

Dr.SUKESH H.A

Signature of Internal Examiner

11/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MATHS QUIZ GAME APP"** has been successfully carried out by **Mr PRATEEK CHOUDHARY** , bearing **USN 1SP20CS046** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/07/23

Signature of Co-Ordinator
Mrs. SUSHMA B A

11/07/23

Signature of HOD
Prof.SUKESH H A

14/7/23

Signature of Internal Examiner

14/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K R Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"SCIENTIFIC CALCULATOR"** has been successfully carried out PRATIK YADAV (1SP20CS047) of 6TH sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2020-21.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Suchana 10/07/23

Signature of Guide

Asistant. Prof. SUSHMA B.A

Signature of HOD

Prof. SUKESH H.A

14/7/23

Signature of Internal Examiner

14/7/23

Signature of External Examiner

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled '**Stop Watch**' has been successfully carried out by **PAVANA S (1SP20CS044)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs SUSHMA B A

Signature of the HOD

Prof. SUKESH H A

14/7/23

Signature of Internal Examiner

14/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ONLINE QUIZ APPLICATION"** has been successfully carried out by **Mr. AVISHEK DAS,** bearing **USN 1SP20CS008,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator

Mrs. SUSHMA B.A

11/07/23

Signature of HOD

Dr. SUKESH H.A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SPARK WOMEN ALERT APP**" has been successfully carried out by **Ms. AYESHA SARWATH** bearing **USN 1SP20CS009**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SUSHMA B A

Signature of HOD

Prof. SUKESH H A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**ANDROID LUDO**" has been successfully carried out by **JEETHU PATHAK** bearing USN **1SP20CS022** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribedfor Bachelor of Engineering.

10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

Signature of HOD

Prof. SUKESH H A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"SPARK WOMEN ALERT APP"** has been successfully carried out by **Ms. ASHWINI .G.** bearing **USN 1SP20CS007,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/7/23

Signature of Co-ordinator

Mrs. SUSHMA B.A

Signature of HOD

Dr.SUKESH H.A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"MEDICINE REMINDER"** has been successfully carried out by **Ms. LIPIKA,** bearing **USN 1SP20CS028,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SUSHMA B A

Signature of HOD

Prof. SUKESH H.A

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**RECIPE GENERATOR**" has been successfully carried out by **Mr. KIRAN K KISHORE** ,bearing USN **1SP20CS025**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Asst Prof. SUSHMA B A

Signature of HOD

Prof. SUKESH H A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"SCIENTIFIC CALCULATOR"** has been successfully carried out by **Miss. KEZIAH K** , bearing **USN 1SP20CS024**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/07/23

Signature of Co-Ordinator

Mrs. SUSHMA B A

10/7/23

Signature of HOD

Mr. SUKESH H A

12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that project work entitled "**TIC TAC TOE** " has been successfully carried out by **Mr. ARAVIND.M**, bearing **USN 1SP20CS004**, of 6th semester in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technology University**, Belgaum during the year **2022-2023.** The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

Sushma 10/07/23

Signature of the Guide

Mrs.SUSHMA B.A

10/7/23

Signature of the HOD

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**MEDIA PLAYER**" has been successfully carried out by **Mr. AKHIL RAJ,** bearing USN **1SP20CS002**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Asst Prof. SUSHMA B A

Signature of HOD 11/7/23

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**QUIZ APPLICATION**" has been successfully carried out by **ASHUTOSH PRAJAPATI** bearing USN **1SP20CS006** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma
10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

12/7/23

Signature of HOD

Prof. SUKESH H A

Sushma
12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"MUSIC PLAYER"** has been successfully carried out by **Mr. NEWTON MAHATO,** bearing **USN 1SP21CS401,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator

Mrs. SUSHMA B A

Signature of HOD

Dr. SUKESH H.A

17/7/23

Signature of Internal Examiner

17/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Mr AMAN DUBEY**, bearing **USN 1SP21CS400** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof. SUKESH H A

19/7/23

Signature of Internal Examiner

17/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MATHS QUIZ GAME APP"** has been successfully carried out by **Mr RAHUL SAHOO** , bearing **USN 1SP21CS402** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof.SUKESH H A

17/7/23

Signature of Internal Examiner

17/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**ANDROID LUDO**" has been successfully carried out by **KAILASH PRASAD** bearing USN **1SP20CS023** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribedfor Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-ordinator

Mrs. SUSHMA B A

Signature of HOD

Prof. SUKESH H A

Sushma 12/07/23

Signature of Internal Examiner

12/7/23

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Ms. GEETHA C L**, bearing **USN 1SP20CS020**, of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/07/23

Signature of Co-Ordinator

Mrs. SUSHMA B A

11/7/23

Signature of HOD

Prof. SUKESH H A

12/07/23

Signature of Internal Examiner

Signature of External Examiner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, VirgonagarPost, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"DANCING ROBOT"** has been successfully carried out by **K Abhiram**, bearing **USN 1SP20CS001** of **VI sem** in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SASWATI BEHERA

Dept.of CSE

Signature of HOD

Prof. SUKESH H A

Dept.of CSE

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura,VirgonagarPost, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"3D BIKE SIMULATION"** has been successfully carried out by **AKHIL RAJ**, bearing **USN 1SP20CS002** of **VI sem** in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SASWATI BEHERA

Dept.of CSE

Signature of HOD

Prof. SUKESH H A

Dept.of CSE

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bangaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that project work entitled "**MOVING BOAT** " has been successfully carried out by **Mr. Aravind.M**, bearing **USN 1SP20CS004**, of 6th semester in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technology University**, Belgaum during the year **2022-2023.** The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

10/7/23

Signature of the Guide

Mrs. SASWATI BEHERA

10/7/23

Signature of the HOD

Prof. SUKESH H A

SOUTH EAST ASIAN COLLEGE OF ENGINEERING & TECHONOLOGY

[Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

Ektanagar, Ayyappan Nagar Circle, K. R. Puram, Bangalore – 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SMART CITY SIMULATION**" has been successfully carried out by **ASHUTOSH PRAJAPATI** bearing **USN 1SP20CS006**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of the Guide

Mrs. SASWATI BEHERA

Signature of the HOD

Prof. SUKESH H A

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"FLOWING FOUNTAIN"** has been successfully carried outby **ASHWINI G**, bearing **USN 1SP20CS007 &** of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visveshvaraya Technological University, Belgaum** during the year **2023.** The project has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Assistant Prof Mrs Saswati Behera

Dept.of CSE, SEACET

10/7/23

Signature of HOD

Prof.Sukesh H A

Prof & HOD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"RAILWAY STATION"** has been successfully carried out by **Mr. AVISHEK DAS,** bearing **USN 1SP20CS008,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Dr. SUKESH H.A

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MOVABLE CAMERA WITH OBJECT"** has been successfully carried out by **AYESHA SARWATH**, bearing **USN 1SP20CS009 &** of VI sem in partial fulfilment for the award of **Bachelor of** Engineering **in Computer Science and Engineering** of the **Visveshvaraya Technological University, Belgaum** during the year **2023.** The project has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Assistant Prof Mrs Saswati Behera

Dept.of CSE, SEACET

Signature of HOD

Dr.Sukesh H A

Prof & HOD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**EPILOGUE OF EDUCTION**" has been successfully carried out by **Mr. AYUSH KUMAR,** bearing **USN 1SP20CS010**, of 6th semestem in partial fulfilment for the award of **Bachelor of** Engineering **in Computer Science and** Engineering of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator

Asst. Prof. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H A

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"VIEWS OF RACE TRACK"** has been successfully carried out by **Mr. B.NARESH** ,bearing **USN 1SP20CS011**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

10/7/23

Signature of HOD

Prof. SUKESH H A

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ROCKET LAUNCHING"** has been successfully carried out by **Ms. BHUVANA K.V.** bearing **USN 1SP20CS012,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya** Technological **University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof.Sukesh H A

Signature of External Examiner

N. M. A. COLLEGE OF ENGINEERING AND TECHNOLOGY
Nitte Nagar, Navarampura, Uragonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled „**helicopter**" has been successfully carried out by **Charandeep A (1SP20CS014)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the**Visvesvaraya Technological University, Belagaum** during the year **2022-23**the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs Saswati behari

Signature of the HOD

Prof. SUKESH A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**TRAIN ARRIVAL AND DEPARTURE** " has been successfully carried out **Faijan Ansari (1SP20CS017)** of 6TH sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2022-23.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Guide

Asistant. Prof. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SEA SUNSET VIEW**" has been successfully carried out by **Mr. FASLU RAHMAN** ,bearing USN **1SP20CS018**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof. SASWATI BEHARA

Signature of HOD

Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura , Virgo nagar Post , K.R.puram, Bengaluru . Karnataka 560049

DEPARTME OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"AIRSHOW"** has been successfullycarried out by **GANGADHAR BV (1SP19CS019)** of VI semester in partial fulfilment for the award of Bachelor of Engineering in **Computer Science And Engineering** of the **Vishveshwarya Technological University ,Belagavi** during the year 2022 . The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering .

Signature of Co-coordinator
Asst Prof. Saswati Behera,
Dept of CSE

Signature of HOD
Prof.B.Sukesh,
Dept of CSE

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"WATER CYCLE"** has been successfully carried out by **Ms. GEETHA C L,** bearing **USN 1SP20CS020,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

10/7/23

Signature of HOD

Mr. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"TIC TAC TOE"** has been successful carried out by **Ms. JANHAVI B,** bearing **USN 1SP20CS021,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**VILLAGE SCENARIO**" has been successfully carried out by **Mr.JEETHU PATHAK,** bearing **USN 1SP20CS022**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Enginnering** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator

Asst. Prof. SASWATI BEHERA

10/7/23

Signature of HOD

Prof. SUKESH H A

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY
BANGALORE -560049
(Affiliated to Visvesvaraya Technology University Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the Computer Graphics Project work entitled "AQUARIUM" has been carried out by KAILASH PRASAD (1SP20CS023), a bonafide student of **S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY** in partial fulfillment for the award of **Bachelor of Engineering** in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2020-2023**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

Signature of Co-Ordinator

Mrs. SASHWATI BEHERA

Signature of HOD

Prof. SUKESH HA

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the mini project work entitled **"BUS STOP SIMULATION"** has been successfully carried out by **Miss. KEZIAH K**, bearing **USN 1SP20CS024**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**DATA COMMUNIVCATION OVER A NETWORK**" has been successfully carried out by **Mr. KIRAN K KISHORE** ,bearing USN **1SP20CS025**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

AsstProf. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"AIRSHOW"** has been successful carried out by **Ms. LIKITHA C,** bearing **USN 1SP20CS027,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H.A

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"VISUALISATION OF RAIN WATER"** has been successfully carried out by **Ms. LIPIKA,** bearing **USN 1SP20CS028,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof.Sukesh H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"PARACHUTE ANIMATION"** has been successfully carried out by **Mrs.MADDURI HARI PRIYA,** bearing **USN 1SP20CS029 and** of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs.Saswathi Behera
Dept. of CSE

10/7/23

Signature of HOD

Prof.SUKESH HA
Dept. of CSE

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059
(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"SPACE SHOOTER"** has been successfully carried out by **Mr. MANOJ PRASAD,** bearing **USN 1SP20CS030,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Dr. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled "SAILING SHIP GAME" has been successfully carried out by **Ms. MUBASHIR RAHMAN**, bearing **USN 1SP20CS032**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Dr. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**DANCING ROBOT**" has been successfully carried out by **Mr. NABEEL SADIQU N** ,bearing USN **1SP20CS033**. of VI sem in partial fulfilment for the award of Bachelor of Engineering in **computer Science and** Engineering of the Visvesvaraya Technological University. Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof. SASWATI BEHARA

Signature of HOD

Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled "WATER CYCLE" has been successfully carried out by **Mr. NADIMUDDIN,** bearing **USN 1SP20CS034,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI Behera

Signature of HOD

Dr. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura , Virgo nagar Post , K R puram, Bengaluru , Karnataka 560049

DEPARTME OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **SNAKE GAME** has been successfully carried out by **NAVEEN M (1SP20CS037)** of VI semester in partial fulfilment for the award of Bachelor of Engineering in **Computer Science And Engineering** of the **Vishveshwarya Technological University ,Belagavi** during the year 2022 . The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering .

Signature of Co-coordinator
Asst Prof Saswati Behera.
Dept of CSE

Signature of HOD
Prof B Sukesh
Dept of CSE

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled " **RAIN WATER HARVESTING"** has been successfully carried out by **NAVYA JS,** bearing **USN 1SP20CS038,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof.Sukesh H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"FISHING"** has been successfully carried out by **Ms. NIDHI KUMARI,** bearing **USN 1SP20CS040,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs. SASWATI BEHERA

10/7/23.

Signature of HOD

Dr.SUKESH H.A

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"PATH FINDING USING OPENGL"** has been successfully carried out by **Miss. NUSUM NAGALAKSHMI**, bearing **USN 1SP20CS041**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"STEAM ENGINE"** has been successfully carried out by **PARVATI.B,** bearing **USN 1SP20CS043,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs. SASWATI BEHERA

10/7/23

Signature of HOD

Prof.SUKESH H A

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled 'Rubick cube' has been successfully carried out by **PAVANA S (1SP20CS044)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University, Belagaum** during the year **2022-23** the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

11/7/23

Signature of Co-ordinator

Mrs.SASWATI BEHERA

Signature of the HOD

Prof. SUKESH H A

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

EKTHA NAGAR BANGALORE - 560048

Department of Computer Science and Engineering

CERTIFICATE

Certified that project work entitled "ANALOG CLOCK" is a bonafide work carried out by

Pradeep Naik

(1SP20CS045)

In partial fulfillment for the award of the Bachelor of Engineering in Computer Science and Engineering. Of the Viseveswaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department library. The project has been approved as it satisfies the academic requirements in respect of the project work prescribed for Bachelor of Engineering Degree.

Signature of the Guide
Mrs. Saswati Behera
Asst. Prof., CSE Dept.

Signature of the HOD
Prof. SUKESH
HOD, CSE Dept.,

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"CLIENT SERVER PROTOCOL"** has been successfully carried out by **Mr.PRATEEK CHOUDHARY**, bearing **USN 1SP20CS046**, of 6th sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-Ordinator
Mrs. SASWATI BEHERA

Signature of HOD
Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**TRAIN ARRIVAL AND DEPARTURE** " has been successfully carried out**PRATIK YADAV (1SP20CS047)** of 6TH sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2023-24.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Guide

Asistant. Prof. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H.A

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi | Recognized by Govt. of Karnataka | Approved by AICTE, New Delhi)

K.R.Puram, Bengaluru- 560 049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the Mini Project work entitled *"WALKING ROBOT"* carried out by **Mr. Praveen Kumar B K (1SP20CS048)**, a bonafide students of **SEA COLLEGE OF ENGINEERING AND TECHNOLOGY**, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belagavi during the year **2022-23.** It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements in respect of Computer Graphics Laboratory with Miniproject prescribed for the said Degree.

Prof. Saswati Behera
Associate Professor
Dept. of CSE,SEACET

Dr.Sukesh
Head of the dept.
Dept. of CSE,SEACET

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"AEROCRASH"** has been successful carried out by **Ms. PRIYA TRIPATHI,** bearing **USN 1SP20CS049,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2022-2023. The mini project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

11/7/23

Signature of Co-ordinator

Mrs. SASWATI BEHERA

Signature of HOD

Prof. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ektanagar , Basavanpura (K R Puram) ,Bengaluru,karnataka - 560049.
(Affiliated to Visvesvaraya Technological University ,Belagavi)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the mini project work entitled **"WORKING OF SATELLITE"** has been successfully carried out by **"Mr. R ANWAR PASHA (1SP20CS050)"** of **"6TH"** Sem in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of the **Visvesvaraya Technological University, Belagavi** , during the year of 2023-24 .The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering .

10/7/23
Signature of Guide
Mrs SASWATI BEHERA

11/07/23
Signature of HOD
Prof. SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**PULWAMA ATTACK" has** been successfully carried out by**RAGHURAJ PRATAP SINGH(1SP20CS051)** of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SHASWATI

Signature of HOD

Dr. SUKESH H.A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled "SAILING SHIP GAME" has been successfully carried out by **Mr. RAJKUMAR OJHA,** bearing **USN 1SP20CS053,** of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs. SASWATI B

Signature of HOD

Dr. SUKESH H.A

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"SNOWMAN ANDROMAN"** has been successfully carried out by **SUHAS S** , bearing **USN 1SP20CS055**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visveshvaraya Technological University, Belgaum** during the year **2023.** The project has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Assistant Prof Mrs Saswati Behera

Dept.of CSE, SEACET

Signature of HOD

Sukesh H A

Prof & HOD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**RADIO ACTIVE**" has been successfully carried out by **Mr.SAGAR B N,** bearing **USN 1SP20CS056**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

10/7/23

Signature of Co-ordinator

Mrs.SASWATI BEHERA

10/7/23

Signature of HOD

Dr SUKESH H A

PROF & HOD

DEPT OF CSE,SEACET

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SOLAR SYSTEM**" has been successfully carried out by **Ms.SAHANA.K,** bearing **USN 1SP20CS057**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SASWATI BEHERA

Signature of HOD

Dr SUKESH H A

PROF & HOD

DEPT OF CSE,SEACET

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"WATER CYCLE"** has been successfully carried out by **SAHANA P** , bearing **USN 1SP20CS058**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visveshvaraya Technological University, Belgaum** during the year **2023.** The project has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Assistant Prof Mrs Saswati Behera

Dept.of CSE, SEACET

Signature of HOD

Sukesh H A

Prof & HOD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**ATOM SIMULATION**" has been successfullycarried out by **Mr. SATHYA PRAKASH J**, bearing USN **1SP20CS060**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science And Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied theacademic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof. SASWATI BEHERA

Signature of HOD

Prof.SUKESH H A

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**TRAFFIC LIGHT STIMULATION**" has been successfully carriedout by **Mr SHAHADATH ALI** bearing **USN 1SP20CS061**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project workprescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SASWATI BEHERA

Signature of HOD

Mr. SUKESH H A

PROF & HOD

DEPT OF CSE,SEACET

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOY
S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled '**PATH FINDER**' has been successfully carried out by **SHAHBAZ IMRAN(1SP20CS062)** bearing of sixth sem in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visvesvaraya Technological University, Belagaum** during the year **2022-23** the project has been approved has it certified the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mrs.SWATHI A

Signature of the HOD

Prof. SUKESH H A

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ISRO's Project"** has been successfully carried out by **SHIVUPRAKASH KHENY** , bearing **USN 1SP20CS064**, of VI sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the **Visveshvaraya Technological University, Belgaum** during the year **2023.** The project has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Assistant Prof Mrs Saswati Behera

Dept.of CSE, SEACET

Signature of HOD

Sukesh H A

Prof & HOD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ekta Nagar, Basavanapura, (K.R. Puram), Bangalore, Karnataka 560059
(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"SAILING OF SHIP DAY AND NIGHT"** has been successfully carried out by **Ms. SUJATA CHANDA,** bearing **USN 1SP20CS065,** of 6th Sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

11/7/23
Signature of Co-Ordinator

Mrs. SASWATI BEHERA

11/7/23
Signature of HOD

Dr. SUKESH H.A

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Mr RAHUL SHARMA**, bearing **USN 1SP21CS403** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof. SUKESH H A

Signature of Internal Examiner

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bengaluru,Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"TETRIS GAME"** has been successfully carried out by **Mr AMAN DUBEY**, bearing **USN 1SP21CS400** respectively, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof. SUKESH H A

19/7/23

Signature of Internal Examiner

17/7/23

Signature of External Examiner

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar.Basavanpura, Virgonagar Post.K.R.Puram.Bangaluru.Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"MATHS QUIZ GAME APP"** has been successfully carried out by **Mr RAHUL SAHOO** . bearing **USN 1SP21CS402** respectively. of 6th sem in partial fulfilment for the award of **Bachelor of** Engineering **in Computer Science And Technology of the Visvesvaraya Technological University, Belagavi** during the year **2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Sushma 10/07/23

Signature of Co-Ordinator
Mrs. SUSHMA B A

Signature of HOD
Prof.SUKESH H A

17/7/23

Signature of Internal Examiner

17/7/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAUM, KARNATAKA-590014

A Project report on

"Air Pollution Monitoring and Alerting System based on IOT Sensor "

Submitted in fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

AISHWARIYA MT	1SP19IS002
ANIL LAMA	1SP19IS005
SACHIN KUMAR BHARTI	1SP19IS021
SANJANA SAMIKSHA N H	1SP19IS023

Under the guidance of:

Mrs. R Muni Prashanthi
Asst. Professor
Dept of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"AIR POLLUTION MONITORING AND ALERTING SYSTEM BASED ON IOT SENSOR"** has been successfully carriedout by **Mrs. AISHWARIYA MT(1SP18IS002), Mr. ANIL LAMA(1SP19IS005), Mr. SACHIN KUMAR BHARTI(1SP19IS021), Ms.SANJANA SAMIKSHA N H(1SP19IS023)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2023.The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
R Muni Prashanthi	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA-590014

A Project report on

"ENCRYPTION OF SENSITIVE DATA IN CLOUD COMPUTING"

Submitted in fulfillment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SHIVA K	1SP19IS027
ROOPA G P	1SP19IS020
VARUN G	1SP19IS032
HUMNABAD JASHMITHA	1SP19IS010

Under the guidance of:

Mrs. SUMITHA UDAIKUMAR

Asst. Professor,Dept of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ENCRYPTION OF SENSITIVE DATA IN CLOUD COMPUTING"** has been successfully carried out by **SHIVA K(1SP19IS027), VARUN G(1SP19IS032), ROOPA G P(1SP19IS020), HUMNABAD JASHMITHA(1SP19IS010),** of VIII Sem in partial fulfillment for the award of Bachelor of Engineering in Information Science and Technology of the Visvesvaraya Technological University, Belagavi during the year 2023. The project report has been approved as it satisfied the academic requirement in respect of the project work prescribed for the Bachelor of Engineering.

22/5/23		
Signature of Guide	Signature of HOD	Signature of Principal
Prof. Mrs.Sumitha Udaikumar	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

24/05/23	24/5/2023
Signature of Internal Examiner	Signature of External Examiner
(Dr. B. Jagadeesh)	(Md Zaulla)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAUM, KARNATAKA-590014

A Project report on

Web Address Spoofing : A Real Case Scenario Through Login URLs

Submitted in fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

LAVANYA S	1SP19IS011
VIVEKA S C	1SP19IS035
YUVASHREE G	1SP19IS033
SOMESHEKAR M ANCHATAGERI	1SP18IS010

Under the guidance of:
Dr. NIJAJUNA G S
HOD Dept of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"WEB ADDRESS SPOOFING: A REAL CASE SCENARIO THROUGH LOGIN URLs"** has been successfully caried out by **LAVANYA S(1SP19IS011), YUVASHREE G(1SP19IS033), VIVEKA S C(1SP19IS035), SOMESHEKAR M ANCHATAGERI(1SP18IS010),** OF VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Information Science and Technology of the Visvesvaraya Tecnological University, belgaum during the year 2023. The project report has been approved as it satisfied the acadamic requirement in respect of the project work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Dr. Nijaguna G S	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAUM, KARNATAKA-590014

A Project report on

"Image Enrichment, Enhancement and Restoration"

Submitted in Partial fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted By

ADITYA R	1SP19IS001
AJAY DANASEKARAN	1SP19IS003
AKASH P	1SP19IS004

Under the guidance
of
Mrs. Muni Prashanti .R
Asst Prof. Dept Of I.S.E

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru,
Karnataka-560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**Image Enrichment, Enhancement and Restoration**" has been successfully carried out by **Mr. ADITYA R (1SP19IS001), Mr. AJAY DANASEKARAN (1SP19IS003), Mr. AKASH P (1SP19IS004)** of VIII Semester in partial fulfilment for the award of Bachelor of Engineering in **Information Science & Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022-23.The project report has been approved as it satisfied the academic requirement in respect of theProject work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of H.O.D	Signature of Principal
Asst Prof. Muni Prashanthi .R	**Dr. Nijaguna G.S**	**Dr. B. Venkata Narayana**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI-590018

PROJECT REPORT

ON

BANK FRAUD DETECTION USING MACHINE LEARNING TECHNIQUE AND AUTHENTICATION USING IRIS RECOGNITION

Submitted in partial fulfillment of the requirements for the VIII semester

BACHELOR OF ENGINEERING

in

INFORMATION SCIENCE AND ENGINEERING

of

Visvesvaraya Technological University, Belagavi

by

CHALANA SHREE C J	**(1SP19IS006)**
RAGHU	**(1SP19IS018)**
SANGEETA BEHURA	**(1SP19IS022)**
SHWETA S JADHAV	**(1SP19IS028)**

Under the Guidance of

Mrs. SUMITHA UDAIKUMAR

Assistant Professor

Dept of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,

BANGALORE-560036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R Puram, Bangalore-560036

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This Certified is that the project work entitled "**Bank Fraud Detection Using Machine Learning Technique and Authentication Using Iris Recognition**" carried out by **CHALANA SHREE C J (1SP19IS006), RAGHU (1SP19IS018), SANGEETA BEHURA (1SP19IS022) & SHWETA S JADHAV (1SP19IS028)** a bonafide student of S.E.A. College of Engineering & Technology, in partial fulfilment for the **8th** semester of **Bachelor of Engineering** in **Information Science and Engineering** department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Mrs. Sumitha Udaikumar	**Dr. Nijaguna G S**	**Dr. B Venkata Narayana**

External Viva:

Name of the Examiner	Signature with Date
1. Dr B Nagaraja	24/05/2023
2. Md Zaulla	24/05/2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA-590014

A Project report on

"IMAGE FORGERY DETECTION USING DEEP LEARNING"

Submitted in fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

HARDEEP SINGH BORA	1SP19IS009
NAVEEN M	1SP19IS014
SHAIK IRFAN	1SP19IS025
SHASHIKANTH HOOGAR	1SP19IS026

Under the guidance of:
Asst. Prof. **Amit Kumar**
Dept of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"IMAGE FORGERY DETECTION USING DEEP LEARNING"** has been successfully carried out by **SHAIK IRFAN(1SP19IS025), HARDEEP SINHG BORA(1SP19IS009), NAVEEN M(1SP19IS014), SHASHIKANTH HOOGAR(1SP19026)** of VIII Sem in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Technology of the Visvesvaraya Technological University, Belgaum during the year 2022-23.The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

23/05/2023		
Signature of Guide	Signature of HOD	Signature of Principal
Asst. Prof. Amit Kumar	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

24/05/23	24/05/2023
Signature of Internal Examiner	Signature of External Examiner
Dr. B Jagannath	(Md Ziaulla)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI-590018

Internship Report on

"BANK MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the VIII semester

Bachelor of Engineering

in

Information Science and Engineering

of

Visvesvaraya Technological University, Belagavi.

by

Shiva k

(1SP19IS027)

Under the Guidance of

Mrs. SUMITHA UDAIKUMAR

Assistant Professor Dept. of ISE

Department of Information Science and Engineering

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,

BANGALORE- 560 036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R. Puram, Bangalore-560 036

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that **Mr. SHIVA K** bearing USN **1SP19IS027,** a bonafide student of **SEA College of Engineering and Technology,** has successfully completed technical seminar entitled **"BANK MANAGEMENT SYSTEM"** in partial fulfillment of the requirements for VIII semester **Bachelor of Engineering** in **Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022-2023. It is certified that all Corrections/Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the Bachelor of Engineering degree.

Internship Coordinator	**Signature of HOD**	**Signature of principal**

External Viva

Name of the Examiner	Signature with Date
1. 25/5/23	25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"Car Rental Management System"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

AKASH P

1SP19IS004

Conducted at
TECHNOLOGICS GLOBAL PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Car Rental Management System"** carried out by **Mr. AKASH P,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering** in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi. During the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

for P. Sumithra Udaikumar		
Mrs. Sumitha UdaiKumar	**Dr. Nijaguna G.S**	**Dr. B Venkata Narayana**
Signature of Guide	**Signature of HOD**	**Signature of Principal**

EXTERNAL EXAMINER **Signature with date:**

1. 23/5/23
2. 23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590018

INTERNSHIP REPORT (18CSI85)

ON

"PHARMACY MANAGEMENT SYSTEM"

Submitted to the Visvesvaraya University, Belagavi

In partial fulfilment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

HUMNABAD JASHMITHA

(1SP19IS010)

Conducted at

VARCONS TECHNOLOGIES PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF INFORMATION SCIENCE ANDENGINEERING

CERTIFICATE

Certified that the internship entitled **"PHARMACY MANAGEMENT SYSTEM "** carried out by **HUMNABAD JASHMITHA (1SP19IS010)**, bonafide student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgavi during the year 2022-2023.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 internship work prescribed for the said degree.

Signature of the Coordinator	Signature of the HOD	Signature of the Principal
Mrs.SUMITHA UDAIKUMAR	Dr. NIJAGUNA G S	Dr.B.VENKATA NARAYANA

INTERNAL EXAMINER

EXTERNAL EXAMINER

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI, 590018, Karnataka

INTERNSHIP REPORT

ON

"Restaurant Management System"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

ADITYA R

(1SP19IS001)

Conducted at
TECHNOLOGICS GLOBAL PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Keta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560049

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ukta Nagar, Basavanapura, Virgosnagar Post, K.R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Restaurant Management System** carried out by **ADITYA R,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85).

Mrs. Sumitha Udaikumar	**Dr. Nirguna G.S**	**Dr. B Venkata Narayana**
Signature of Guide	**Signature of HOD**	**Signature of Principal**

External Examiner **Signature with Date**

1. 23/5/23
2. 23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590 014

INTERNSHIP REPORT

ON

"MUSIC PALYER USING JAVA FULL STACK"

Submitted in fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

GAJENDRA CHAUDHARY

1SP19IS008

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR

Asst. Professor

Dept of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"MUSIC PLAYER USING JAVA FULLSTACK"** carried out by **Mr. GAJENDRA CHAUDHARY (1SP19IS008),** bonafied student of S.E.A College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Information science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023 is certified that all corrections/suggestions indicated for internal report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of Guide	Signature of HOD	Signature of Principal
Prof. Sumitha Udai Kumar	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

EXTERNAL EXAMINER — Signature with Date

1.
2.

Visvesvaraya Technological University

Belgaum, Karnataka-590 014

An internship report on

"ONLINE FOOD ORDERING SYSTEM"

Submitted in the partial fulfilment of the requirements for the 8th semester

BACHLOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SHASHIKANT HOOGAR (1SP19IS045)

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR

Asst. Professor

Department of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGLORE – 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY
BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"ONLINE FOOD ORDERING SYSTEM"** carried out by **SHASHIKANT HOOGAR (1SP19IS026)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2023- 2024.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 internship work prescribed for the said degree..

Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**
Prof. Sumitha Udai Kumar	**DR. Nijaguna GS**	**Dr. B Venkata Naryan**

INTERNAL EXAMINER

1. 30/8/23
2. 25/8/23

EXTERNAL EXAMINER

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI-590018

Internship Report on

"ONLINE BANK MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the VIII semester

Bachelor of Engineering

in

Information Science and Engineering

of

Visvesvaraya Technological University, Belagavi.

by

VIVEKA S C

(1SP19IS035)

Under the Guidance of

Mrs. SUMITHA UDAIKUMAR

Assistant Professor Dept. of ISE

Department of Information Science and Engineering

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,

BANGALORE- 560 036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R. Puram, Bangalore-560 036

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that **Mr. VIVEKA S C** bearing USN **1SP19IS035,** a bonafide student of **SEA College of Engineering and Technology,** has successfully completed technical seminar entitled **"ONLINE BANK MANAGEMENT SYSTEM"** in partial fulfillment of the requirements for VIII semester **Bachelor of Engineering** in **Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022-2023. It is certified that all Corrections/Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academicrequirements in respect of Internship prescribed for the Bachelor of Engineering degree.

16/5/23

Internship Coordinator
Mrs . Sumitha Udaikumar

Signature of HOD
Dr. Nijaguna G S

Signature of principal
Dr. Venkata Narayan

22/5/23

Signature of the Internal Examiner

23/5/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI

An INTERNSHIP REPORT ON

"GYM WEBSITE"

Submitted In partial fulfilment of the requirements for the 8th semester

BACHLOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

by

BIBEK REGMI

(1SP19IS034)

Under the guidance

of

Mrs. SUMITHA UDAIKUMAR

Asst. Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGLORE – 49

2022-2023

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"GYM WEBSITE "** carried out by **BIBEK REGMI (1SP19IS034)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2023-2024.is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the Guide	Signature of the H.O.D	Signature of the Principal
Prof. Sumitha Udai kumar	**DR. Nijaguna**	**Dr. B Venkata Narayan**

Internal Examiner

External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

Internship Report on

"PASSWORD GENERATION"

Submitted in partial fulfillment of the requirements for the VIII semester

Bachelor of Engineering

in

Information Science and Engineering

of

Visvesvaraya Technological University, Belagavi.

by

SOMESHEKAR M ANCHATAGERI
(1SP18IS010)

Under the Guidance of
Mrs. SUMITHA UDAIKUMAR
Assistant Professor Dept. of ISE

Department of Information Science and Engineering
SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,
BANGALORE- 560 036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R. Puram, Bangalore-560 036

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that **Mr. SOMESHEKAR M ANCHATAGERI** bearing USN **1SP18IS010,** a bonafide student of **SEA College of Engineering and Technology,** has successfully completed technical seminar entitled **"PASSWORD GENERATOR"** in partial fulfillment of the requirements for VIII semester **Bachelor of Engineering** in **Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022-2023. It is certified that all Corrections/Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academicrequirements in respect of Internship prescribed for the Bachelor of Engineering degree.

16/5/23		
Internship Coordinator	**Signature of HOD**	**Signature of principal**

External Viva

Name of the Examiner	Signature with Date
1. 23/5/23	23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI-590018

Internship Report on

"QUIZ APPLICATION"

Submitted in partial fulfillment of the requirements for the VIII semester

Bachelor of Engineering

in

Information Science and Engineering

of

Visvesvaraya Technological University, Belagavi.

by

VARUN G

(1SP19IS032)

Under the Guidance of

Mrs. SUMITHA UDAIKUMAR

Assistant Professor Dept. of ISE

Department of Information Science and Engineering

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,

BANGALORE- 560 036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R. Puram, Bangalore-560 036

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that **Mr. VARUN G** bearing USN **1SP19IS032,** a bonafide student of **SEA College of Engineering and Technology,** has successfully completed technical seminar entitled **"QUIZ APPLICATION"** in partial fulfillment of the requirements for VIII semester **Bachelor of Engineering** in **Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022-2023. It is certified that all Corrections/Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the Bachelor of Engineering degree.

22/5/23

Internship Coordinator

Signature of HOD

Signature of principal

External Viva

Name of the Examiner	Signature with Date
1. 23/5/23	23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"Flight Management System"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

YUVASHREE G

1SP19IS033

Conducted at
TECHNOLOGICS GLOBAL PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Flight management System"** carried out by **Ms. YUVASHREE G,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering,** in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

22/5/23		
Mrs. Sumitha UdaiKumar	**Dr.Nijaguna**	**Dr. B Venkata Narayana**
Signature of Guide	**Signature of HOD**	**Signature of Principal**

EXTERNAL EXAMINER **Signature with date :**

1. 23/5/23
2. 23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

Internship Report

On

"Template for Online Yoga training Center"

Submitted in partial fulfilment for the award of degree

Of

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE & ENGINEERING

Submitted by:

Chalana Shree C J **1SP19IS006**

Conducted at

VARCONS TECHNOLOGY PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering

BANGLORE – 560049

(Approved by AICTE, New Delhi, affiliated to VTU-Belagavi)

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering

BANGLORE – 560049

(Approved by AICTE, New Delhi, affiliated to VTU-Belagavi)

CERTIFICATE

This is to certify that the Internship titled **"Template for Online Yoga training Center-(For Sale)"** carried out by **Ms. CHALANA SHREE C J,** a bonfire student of S.E.A College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice

for R. Shiva Prakash
Signature of Guide

Signature of HOD

Signature of Principal

External Viva:

Name of the Examiner	Signature with Date
1.	
2. N. Gayathri	28/2/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

INTERNSHIP REPORT

ON

"Banking Management System"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

HARDEEEP SINGH BORA

1SP19IS009

Conducted at
TECHNOLOGICS GLOBAL PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Banking Management System"** carried out by **Mr. HARDEEP SINGH BORA,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

Mrs. Sumitha UdaiKumar	**Dr. Nijaguna G.S**	**Dr. B Venkata Narayana**
Signature of Guide	**Signature of HOD**	**Signature of Principal**

External Viva:

Name of the Examiner	Signature with Date
1)	
2)	

VISHVESHVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA – 590014

An Internship Report On

"JAVA FULL STACK DEVELOPMENT"

Submitted in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING

in

INFORMATION SCIENCE AND ENGINEERING

Submitted by

AISHWARYA MT
(1SP19IS002)

Under the Guidance

of

Mrs. SUMITHA UDAIKUMAR

Asst. Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU 560049

2022 - 2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that **AISHWARYA MT** bearing **USN: 1SP19IS002,** a bonafied student of **S.E.A College of Engineering and Technology** has undergone **four** weeks of **INTERNSHIP** at **TECHNOLOGICS GLOBAL PVT LTD, Jayanagar.** This Internship report is submitted in partial fulfilment for the award of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year **2022 - 2023.**

Prof. SUMITHA UDAIKUMAR	**Dr. NIJAGUNA G S**	**Dr. B. VENKATA NARAYAN**
Signature of the Guide	Signature of the HOD	Signature of the Principal

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"Airline Reservation System"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

AJAY DANASEKARAN

1SP19IS003

Conducted at
TECHNOLOGICS GLOBAL PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Hasavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Airline Reservation System"** carried out by **Mr. AJAY DANASEKARAN,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

Mrs. Sumitha UdaiKumar	**Dr.Nijaguna**	**Dr. B Venkata Narayana**
Signature of Guide	**Signature of HOD**	**Signature of Principal**

EXTERNAL EXAMINER **Signature with date :**

1. 23/5/23
2.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590018

INTERNSHIP REPORT

ON

"ATTENDANCE MANAGEMENT SYSTEM USING JAVA"

Submitted to the Visvesvaraya University, Belagavi

In partial fulfilment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

Submitted by

ANIL LAMA

(1SP19IS005)

UNDER THE GUIDANCE OF

Mrs.SUMITHA UDAIKUMAR

Professor, Department of ISE

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"ATTENDANCE MANAGEMENT SYSTEM USING JAVA"** carried out by **ANIL LAMA(1SP19IS005)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfillmentfor the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023 is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree..

Signature of the Guide	Signature of the HOD	Signature of the Principal
Prof. Sumitha Udaikumar	**Dr. Nijaguna GS**	**Dr. B Venkata Narayan**

INTERNAL EXAMINER

EXTERNAL EXAMINER

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Internship report on

"EMPLOYEE RECORD TRACKER"

Submitted in partial fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SACHIN KUMAR BHARTI

1SP19IS021

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR
Asst. Professor
Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORAMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled **"EMPLOYEE RECORD TRACKER"** has been successfully carried out by **Mr. Sachin Kumar Bharti (1SP19IS021),** of VIII sem in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The internship report has been approved as it satisfied the academic requirement in respect of the internship work prescribed for Bachelor of Engineering.

Signature of Guide

Mrs. Sumitha Udai Kumar

Signature of HOD

Dr. Nijaguna G S

Signature of Principal

Dr. B Venkata Narayan

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Internship report on

"Ecommerce Web Application using Django"

Submitted in partial fulfilment of the requirements for the 8th semester

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SANJANA SAMIKSHA NH

1SP19IS023

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR
Asst. Professor
Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORAMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled **"Ecommerce Web Application using Django"** has been successfully carried out by **Sanjana Samiksha NH (1SP19IS023)**, of VIII sem in partial fulfilmentfor the award of **Bachelor of Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The internship report has been approved as it satisfied the academic requirement in respect of the internship work prescribed forBachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Mrs. Sumitha Udai Kumar	**Dr. Nijaguna G S**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

23/5/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"Online yoga training center"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

RAGHU

1SP19IS018

Conducted at
VARCONS TECHNOLOGIES PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Online Yoga training Center** carried out by **Mr. RAGHU,** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,** in partial fulfillment for the award of **Bachelor of Engineering,** in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

2/5/23

Signature of Guide **Signature of HOD** **Signature of Principal**

External Viva:

Name of the Examiner Signature with Date

1) 23/5/23

2) 23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belagavi, Karnataka-590014

An Internship report on

"DETECTING FAKE NEWS WITH PYTHON AND MACHINE LEARNING"

Submitted In partial fulfillment of the requirements for the award of the degree

of

Bachelor of Engineering

in

Information Science and Engineering

Submitted by

ROOPA G P

(1SP19IS020)

Under the Guidance Of

Mrs.SUMITHA UDAIKUMAR

Assistant Professor Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALORE – 49

2022 - 23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY,

BENGALURU - 560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering

CERTIFICATE

Certified that the internship work entitled "**Detecting Fake News With Python And Machine Learning** "carriedout by **ROOPA G P(1SP19IS020),** we bonafide student of S.E.A. College of Engineering &Technology, in partial fulfillment of **Bachelor of Engineering** in Information Science and Engineering department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship workprescribed for the said degree.

Signature of Coordinator	Signature of HOD	Signature of the principal
Mrs.SUMITHA UDAI KUMAR	**Dr. NIJAGUNA G S**	**Dr. B VENKATA NARAYANA**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

Internship Report on

"CURRENCY CONVERTER"

Submitted in partial fulfillment of the requirements for the VIII semester

Bachelor of Engineering

in

Information Science and Engineering

of

Visvesvaraya Technological University, Belagavi.

by

NAVEEN M
(1SP19IS014)

Under the Guidance of
Mrs. SUMITHA UDAIKUMAR
Assistant Professor Dept. of ISE

Department of Information Science and Engineering
SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,
BANGALORE- 560 036

2022-2023

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

K.R. Puram, Bangalore-560 036

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that **Mr. NAVEEN M** bearing USN **1SP19IS014,** a bonafide student of **SEA College of Engineering and Technology,** has successfully completed technical seminar entitled **"CURRENCY CONVERTER"** in partial fulfillment of the requirements for VIII semester **Bachelor of Engineering** in **Information Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during academic year 2022-2023. It is certified that all Corrections/Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The internship report has been approved as it satisfies the academicrequirements in respect of Internship prescribed for the Bachelor of Engineering degree.

16/5/23

Internship Coordinator | **Signature of HOD** | **Signature of principal**

External Viva

Name of the Examiner	Signature with Date
1. N. Gayathri	23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI

A Internship Report on

"E-COMMERCE WEBSITE OF SHOES"

Submitted in partial fulfilment of the requirements for the 8th semester

BACHLOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

PRATIK JUNG SHAH

1SP19IS016

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR
Asst. Professor
Dept. of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGALURU –560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"E-COMMERCE WEBSITE OF SHOES"** carried out by **Mr. Pratik Jung Shah(1SP19IS016),** bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023.is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree..

8/5/23	for 8/5/23	
Signature of the Guide	Signature of the H.O.D	Signature of the Principal
Mrs. Sumitha Udai Kumar	**Dr. Nijaguna G S**	**Dr .B Venkata Narayan**

	23/5/23
Signature of Internal Examiner	Signature of External Examiner

Visvesvaraya Technological University

Belgaum, Karnataka-590 014

An internship report on

"ONLINE FOOD ORDERING SYSTEM"

Submitted in the partial fulfilment of the requirements for the 8th semester

BACHLOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SANJAY POKHAREL (1SP19IS024)

Under the guidance

Of

Mrs. SUMITHA UDAI KUMAR

Asst. Professor

Department of ISE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY,

BANGLORE – 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY
BENGALURU

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the internship entitled **"ONLINE FOOD ORDERING SYSTEM"** carried out by **SANJAY POKHAREL (1SP19IS024)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering** in Information Science and Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2023- 2024.is certified that all corrections/suggestions indicated for internal report 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 internship work prescribed for the said degree..

for		
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**
Prof. Sumitha Udai Kumar	**DR. Nijaguna GS**	**Dr. B Venkata Naryan**

INTERNAL EXAMINER

1.

2.

EXTERNAL EXAMINER

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAUM, KARNATAKA-590014

INTERNSHIP REPORT

ON

"NODOWRY.COM"

Submitted in fulfilment of the requirements for the 8th semester (18CS185)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SHWETA S JADHAV

1SP19IS028

Conducted by

Inventus business Solutions Pvt Ltd.

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled "**Nodowry. com**" carried out by **Ms. SHWETA S JADHAV** a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY**, in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85).

Signature of Guide	Signature of HOD	Signature of Principal

External Viva:

Name of the Examiner	Signature with Date
1)	
2)	

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018

INTERNSHIP REPORT

ON

"Online yoga training center"

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING
IN
INFORMATION SCIENCE

Submitted by:

SHAIK IRFAN

1SP19IS025

Conducted at
VARCONS TECHNOLOGIES PVT LTD

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Science & Engineering
BENGALURU– 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship titled **"Online Yoga training Center** carried out by **Mr. SHAIK IRFAN (1SP19IS025)**, a bonafide student of **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY**, in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE & ENGINEERING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

16/5/23

Signature of Guide **Signature of HOD** **Signature of Principal**

External Viva:

Name of the Examiner Signature with Date

1) 23/5/23

2) 23/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-560010

A DBMS MINI PROJECT REPORT ON

"ONLINE JOB PORTAL"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

by

ADITHI JAGADEESH

(1SP20IS001)

Under the guidance Of

Mr.SURENDRANATHA GOWDA

Assistant Professor

Dept. of CSE

Department of Computer Science and Engineering

S.E.A COLLEGE OF ENGINEERNIG AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanapura, (K.R.Puram), Bangalore, Karnataka 560059

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of information Science and Engineering

CERTIFICATE

This is to certify the project work entitled **"ONLINE JOB PORTAL"** has been successfully carried out by **Ms. ADITHI JAGADEESH,** bearing **USN 1SP20IS001,** of 5th sem in partial fulfilment for the award of **Bachelor of Engineering in Information science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year 2023. The project report has been approved as it satisfied the academic requirements in respect of the mini project work prescribed for Bachelor of Engineering.

25/1/23

Signature of Co-ordinator

Mr.SURENDRANATHA GOWDA

30/1/2023

Signature of HOD

Dr.NIJAGUNA G.S

31/1

Signature of Internal Examiner

31/1/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"ONLINE BUS RESERVATION MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

BASAVARAJ RAJUR

(1SP20IS002)

Under the guidance

Of

Mr.Surendranatha

Gowda

Assistant

Professor Dept. of CSE

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ONLINE BUS RESERVATION MANAGEMENT SYSTEM"** has been successfully carried out by Mr.BASAVARAJ RAJUR, bearing USN **1SP20IS002,** of Vth sem in partial fulfilment for the award of **Bachelor of Engineering in Information** Science **and** Technology of the Visvesvaraya Technological University, Belagavi during the year 2022-23. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

28/1/23

Signature of Co-ordinator

Mr. SURENDRANATHA GOWDA

28/1/23

Signature of HOD

Dr.NIJAGUNA G S

31/1

Signature of Internal Examiner
Examiner

31/1/23

Signature of External

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini Project report on

"SCHOOL FEES PAYMENT MANAGEMENT"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

By

"BRIJ BHUSHAN KUMAR"

(1SP20IS003)

Under the guidance Of

Mr. SURENDRANATHA GOWDA

Assistant Professor
Dept. of CSE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU - 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**SCHOOL FEES PAYMENT MANAGEMENT**" has been successfully carried out by **Mr BRIJ BHUSHAN KUMAR**, bearing **USN 1SP20IS003**, of V sem in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

28/1/23

Signature of Co-ordinator

Mr. SURENDRANATHA GOWDA

28/1/2023

Signature of HOD

Dr. NIJAGUNA G S

31/1

Signature of Internal Examiner

31/1/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590014.

A DBMS Mini Project report on

" HOSTEL MANAGEMENT SYSTEM"

Submitted in partical fulfilment of the requirement for the 5th semester DBMS Lab

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

BY

DARSHAN M

(1SP20IS004)

Under the guidance

Of

MR. SURENDRANATHA GOWDA

Assistant Professor

Dept.of CSE

Department of Information Science and Engineering

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049,2021-2022

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar,Basavanpura, Virgonagar Post,K.R.Puram,Bangaluru,Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"HOSTEL MANAGEMENT SYSTEM"**has been successfully carried out by **Mr. DARSHAN M**,bearing **USN 1SP20IS004**,of 5th sem in partial fulfilment for the award of **BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI** during the year **2022-2023**. The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

28/1/23

Signature of Co-Ordinator
SURENDRANATHA GOWDA

28/1/2023

Signature of HOD **MR.**
DR.NIJAGUNA G.S

31/1

Signature of Internal Examiner

31/1/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini Project report on

"STUDENT RESULT MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

By

NISHITHA SHETTY
(1SP20IS005)

Under the guidance
Of

Prof. SURENDRANATH GOWDA
Assistant Professor
Dept. of ISE

Department of information science and engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"STUDENT RESULT MANAGEMENT SYSTEM"** has been successfully carried out by **Ms. NISHITHA SHETTY H V,** bearing **USN 1SP20IS005**, of V sem in partial fulfillment for the award of **Bachelor of Engineering in Information Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Prof. SURENDRANATH GOWDA

Signature of HOD

Dr .NIJAGUNA G S

Signature of Internal Examiner

31/1/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"BLOOD BANK AND DONOR MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

K A NABEELA FATHIMA

(1SP20IS006)

Under the guidance

Of

Mr. SURENDRANATHA GOWDA

Assistant professor

Dept. of CSE

Department of Computer Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"BLOODBANK AND DONOR MANAGEMENT SYSTEM"** has been successfully carried out by **Ms. K A Nabeela Fathima,** bearing **USN 1SP20IS006**, of V sem in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Technology** of the **Visvesvaraya Technological University, Belagavi** during the year **2022-23** The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

28/1/23

Signature of Co-ordinator

Mrs. SURENDRANATHA GOWDA

Signature of HOD

Dr.NIJAGUNA

31/1

Signature of Internal Examiner

31/1/23

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

Mini Project report on

"ONLINE DJ MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

By

K DIGANTH HEGDE
(1SP20IS007)

Under the guidance Of

MR.SURENDERNATH GOWDA
Asst.Professor Dept. of CSE

Department of Information Science And Engineering Department

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ONLINE DJ MANAGEMENT SYSTEM"** has been successfully carried out by **Mr DIGANTH HEGDE** , bearing USN **1SP20IS007**, of V semester in partial fulfillment for the award of **Bachelor of Engineering in Information Science And Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

PROF.SURENDERNATH GOWDA

Signature of HOD

DR.NIJAGUNA G S

21/1

Signature of Internal Examiner

31/1/23.

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

DBMS Mini Project report on

"AGROCULTURE MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

By

KEERTHI.S
(1SP20IS008)

Under the guidance OF

PROF.SURENDRANATHA GOWDA

Department of Information Science and Engineering

S.E.A.COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049 2022-2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"AGROCULTURE MANAGEMENT SYSTEM"** has been successfully carried out by **KEERTHI.S** , bearing **USN 1SP20IS008,** of V sem in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

28/1/23

Signature of Co-ordinator

PROF.SURENDRANATHA GOWDA

28/1/2023

Signature of HOD

Dr.NIJAGUNA G S

PROF & HOD
DEPT OF ISE,SEACET

31/1

Signature of Internal Examiner

31/1/23.

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini Project report on

"ONLINE SHOPPING MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 5th semester DBMS lab

BACHELOR OF ENGINEERING IN

COMPUTER SCIENCE AND ENGINEERING

By

SUDIPTA SARKER
(1SP19IS029)

Under the guidance Of

Mrs. Surendranatha gowda
Assistant Professor
Dept. of ISE

Department of Computer Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049 2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"ONLINE SHOPPING MANAGEMENT SYSTEM"** has been successfully carried out by **Mr SUDPITA SARKER,** bearing **USN 1SP19IS029**, of V sem in partial fulfilment for the award of **Bachelor of Engineering in Informantion Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2023**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Mr. Surendranatha gowda

Signature of HOD

Mrs. DR NIJAGUNA

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"POLICE STATION MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structure lab with Mini Project. (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

ADITHI JAGADEESH

(1SP20IS001)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**POLICE STATION MANAGEMENT SYSTEM** " has been successfully carried out by **Ms. ADITHI JAGADEESH**, bearing USN **1SP20IS001**, of VI semester in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner
(Purushothaman M)

Signature of External Examiner
(Mr. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"BUS RESERVATION MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester
File Structures lab with Mini Project (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

BASAVARAJ RAJUR

(1SP20IS002)

Under the guidance Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**BUS RESERVATION MANAGEMENT SYSTEM**" has been successfully carried out by **BASAVARAJ RAJUR**, bearing USN **1SP20IS002**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

for Gunaga 12/7/23
Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner
(Purushottaman M)

12/7/23
Signature of External Examiner
(M. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini Project report on

"STUDENT REPORT CARD MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structure's lab(**18ISL67**)

BACHELOR OF ENGINEERING IN

INFORMATION SCIENCE AND ENGINEERING

By

"BRIJ BHUSHAN KUMAR"

(1SP20IS003)

Under the guidance Of

Asst Prof. R. MUNI PRASHANTHI

Assistant Professor
Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU - 560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"STUDENT REPORT CARD MANAGEMENT SYSTEM"** has been successfully carried out by **Mr. BRIJ BHUSHAN KUMAR,** bearing **USN 1SP20IS003**, of 6th sem in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Technology** of the **Visvesvaraya Technological University, Belgaum** during the year **2022-23**.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

for Purushotha 10/7
Signature of HoD

Dr. NIJAGUNA G S

Signature of Internal Examiner
(Purushotaman. M)

17/7/23
Signature of External Examiner
(Prof. MALLESHA M)

VISHVESHVARAYA TECHNOLOGICAL UNIVERSITY
BELGAVI

A Mini Project report on

BILLING SYSTEM MANAGEMENT

Submitted in partial fulfilment of the requirements for

FILE STRUCTURE LABORATORY (18ISL67)

In

VI Semester Information Science and Engineering

By

DARSHAN M

(1SP20IS004)

Under the guidance

Of

Asst Prof. R. MUNI PRASHANTHI

Department of Information Science and Engineering

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU 560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**BILLING SYSTEM MANAGEMENT**" has been successfully carried out by **Mr. DARSHAN M**, bearing **USN 1SP20IS004**, of VI semester in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023. The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator
Asst Prof. R. MUNI PRASHANTHI

Signature of HOD
Dr. NIJAGUNA G S

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"BANK RECORDS MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester
File Structures lab with Mini Project (18CSL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

NISHITHA SHETTY H V

(1SP20IS005)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**BANK RECORDS MANAGEMENT SYSTEM**" has beensuccessfully carried out by, **NISHITHA SHETTY H V** bearing USN **1SP20IS005**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Technology** of the Visvesvaraya Technological University, Belagavi duringthe year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prasi

Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushotharan M)

17/7/23

Signature of External Examiner

(Mr. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"EMPLOYEE LEAVE MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structures lab with Mini Project (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

K A NABEELA FATHIMA

(1SP20IS006)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**EMPLOYEE LEAVE MANAGEMENT SYSTEM**" has been successfully carried out by **Ms. K A NABEELA FATHIMA**, bearing USN **1SP20IS006**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muniprashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

for Sunitha 12/7/23
Signature of HOD
Dr. NIJAGUNA G S

MPK
Signature of Internal Examiner
(Purushothaman.M)

12/7/23
Signature of External Examiner
(Prof. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"TELECOM BILLING SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester
File Structures lab with Mini Project (18CSL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

K DIGANTH HEGDE

(1SP20IS007)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**TELECOM BILLING SYSTEM**" has been successfully carried out by **K DIGANTH HEGDE**, bearing USN **1SP20IS016**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Technology** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

for Srimukha 11/1/23
Signature of HOD

Dr. NIJAGUNA G S

MPK
Signature of Internal Examiner

(Purushothama.a)

12/1/23
Signature of External Examiner

(Prof MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"RAILWAY RESERVATION SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structure lab with Mini Project, (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

MOHAMMED AZMATHULLA

(1SP20IS009)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**RAILWAY RESERVATION SYSTEM**" has been successfully carried out by **Mr. MOHAMMED AZMATHULLA**, bearing USN **1SP20IS009**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"GYM MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester
File Structures lab with Mini Project (18CSL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

PALLAVI S

(1SP20IS010)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "GYM MANAGEMENT SYSTEM" has been successfully carried out by ,PALLAVI S bearing USN **1SP20IS010**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof R.MUNI PRASHANTHI

Signature of Internal Examiner

(Purushothaman.M)

for

Signature of HOD

Dr. NIJAGUNA G S

12/7/23

Signature of External Examiner

(Prof. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590 018

A Mini Project Report on

Voter ID Management System B+Tree Indexing Technique

Submitted in partial fulfillment of the requirements as a part of the File Structures Lab of VI semester for the award of degree of **Bachelor of Engineering** *in* **Information Science and Engineering**, *Visvesvaraya Technological University, Belagavi*

Submitted by

PAVAN YADAV A

1SP20IS011

Faculty Coordinator

Assistant Professor

R Muni Prashanthi

Department of Information Science and Engineering

SEA College of Engineering and Technology

Basavanapura Road, Virgonagar , K R Puram Bangalore ,Karnataka-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**Voter ID Management System B+ Tree Indexing Technique** " has been successfully carried out by **Mr. PAVAN YADAV A**, bearing **USN 1SP20IS011**, of VI semester in partial fulfilment for the award of **Bachelor of Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023. The mini project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator
Asst Prof. R. MUNI PRASHANTHI

Signature of HOD
Dr. NIJAGUNA G S

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"PRISON MANAGEMENT SYSTEM USING RRN"

Submitted in partial fulfilment of the requirements for the 6th semester File Structure lab with Mini Project. (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SAMAR FATHIMA

(1SP20IS012)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"PRISON MANAGEMENT SYSTEM USING RRN"** has been successfully carried out by **Ms. SAMAR FATHIMA**, bearing USN **1SP20IS012**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushothamanam)

17/7/23
Signature of External Examiner

(Dr. MALLESHA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"FLIGHT RESERVATION SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structures lab with Mini Project (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

SHABAZ PASHA

(1SP20IS013)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavarpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"FLIGHT RESERVATION SYSTEM"** has been successfully carried out by **Mr. SHABAZ PASHA**, bearing USN **1SP20IS013**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushotham M)

Signature of External Examiner

(Dr. Mallesha M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590 018

A Mini Project Report on

BUCKET LIST

Submitted in partial fulfillment of the requirements as a part of the File Structures Lab of VI semester for the award of degree of **Bachelor of Engineering** *in* **Information Science and Engineering**, *Visvesvaraya Technological University, Belagavi*

Submitted by

TRIBUVAN N

(1SP20IS014)

Faculty Coordinator

Assistant Professor

R Muni Prashanthi

Dept. Of ISE

Department of Information Science and Engineering

SEA College of Engineering and Technology

Basavanapura Road, Virgonagar , K R Puram Bangalore ,Karnataka-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "BUCKET .LIST" has been successfully carried out by **Mr.TRIBUVAN.N**, bearing USN **1SP20IS014**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof R.MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"CAR RENTAL SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structures lab with Mini Project (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

VARUN NAGARAJ H

(1SP20IS015)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**CAR RENTAL SYSTEM**" has been successfully carried out by **Mr. VARUN NAGARAJ**, bearing USN **1SP20IS015**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

Signature of Co-ordinator

Asst Prof R.MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushothaman.m)

17/7/22

Signature of External Examiner

(PJ MALLIKA M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"HOTEL MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester
File Structures lab with Mini Project (18CSL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

YASHASHWINI.M

(1SP20IS016)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**HOTEL MANAGEMENT SYSTEM**" has been successfully carried out by **YASHASHWINI M**, bearing USN **1SP20IS016**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Technology** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R. MUNI PRASHANTHI

for Rajeshwari 17/7/23
Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushothaman.m)

17/7/23
Signature of External Examiner

(Prof. MALLIKARJUN M)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini project report on

"ELECTRICITY BILLING SYSTEM"

Submitted in partial fulfilment of the requirements for the 6th semester File Structures lab with Mini Project (18ISL67)

BACHELOR OF ENGINEERING

IN

INFORMATION SCIENCE AND ENGINEERING

By

BHARATH RAJ.Y

(1SP20IS017)

Under the guidance

Of

R. MUNI PRASHANTHI

Assistant Professor

Dept. of ISE

Department of Information Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EktaNagar, Basavanpura, Virgonagar Post, K.R.Puram, Bengaluru, Karnataka 560059

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**ELECTRICITY BILLING SYSTEM**" has been successfully carried out by **Mr. BHARATH RAJ.Y**, bearing USN **1SP20IS017**, of VI sem in partial fulfilment for the award of Bachelor of Engineering in **Information Science and Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2022-23 The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.

R. Muni Prashanthi
Signature of Co-ordinator

Asst Prof R.MUNI PRASHANTHI

Signature of HOD

Dr. NIJAGUNA G S

Signature of Internal Examiner

(Purushottaman.M)

12/7/23
Signature of External Examiner

(Dr. MALLIKA M)

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Project work entitled "Underwater Wireless Optical Communication" carried out by Abhilash C (1SP19EC001), Anirban Sanki (1SP19EC002), Cyril Paul Rayan(1SP19EC009), Rajesh P (1SP19EC022) bonafide students of **S.E.A. College of Engineering and Technology**, in partial fulfilment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering, Visvesvaraya Technological University**, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Dr. T Cynthia Anbuselvi	**Dr. Pradeep Kumar N S**	**Dr. B Venkata Narayana**
Guide	Head of the Department	Principal

External Examiners

1. Dr. Pradeep Kumar N.S
2. Dr. J.Surendiran

Signature with date

25/05/23

25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year project entitled "End to End IOT Based Hazard Monitoring System" carried out by Aniya Kausar (1SP19EC003), Parvathi S (1SP19EC019), Hosmani Sanjukumar (1SP17EC007) bonafide students of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Final year project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mr Suhas S K	**Dr Pradeep Kumar N S**	**Dr B Venkata Narayana**
Project Guide	Head of Department	Principal

External Examiners

1. Dr. Pradeep Kumar N.S
2. Dr. J. Surendiran

Signature with date

25/05/23

23/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year Project work entitled "SMART TRAFFIC SIGNAL SYSTEM BASED ON AMBULANCE PATH USING RASPBERRY PI" *carried out by* Arbeen Taj (1SP19EC004), Naveen Y(1SP19EC017), Prajwal RJ(1SP19EC020),Yogesh V(1SP19EC028), *bona fide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of* **Bachelor of Engineering** *in* **Electronics and Communication Engineering,** *Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Final year Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.*

Mrs. Revathi K
Guide

Dr. Pradeep Kumar N S
Head of the Department

Dr. B Venkata Narayana
Principal

External Examiners

Signature with date

1. Dr. Pradeep Kumar N.S — 25/05/23
2. Dr. J. Suredhiran — 25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU–560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year project phase-2 entitled "Advanced Footstep Power Generation System using RFID for Charging" carried out by Glory DSouza R(1SP19EC010), Kavitha P (1SP19EC012), Lavanya K(1SP19EC013), Pallavi A S (1SP19EC018) bonafide students of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering**, Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessmenthave been incorporated in the report deposited in the departmental library. The Final year project Phase-2 report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Dr. P. Hosanna Princye	**Dr Pradeep Kumar N.S**	**Dr B Venkata Narayana**
Project Guide	Head of Department	Principal

External Examiners

1. Dr. Pradeep Kumar N.S
2. Dr. S. Sandran

Signature with date

25/05/23

25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year project entitled "Analysis Of Cardiovascular Disease Using Different Machine Learning Classifiers" carried out by S Avinash Reddy [1SP19EC024], V Y Santhosh[1SP19EC026], D Rishi Vardhan [1SP19EC030], bonafide students of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering,** Vishveshwaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Final year project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. Asha V K R
Internal Guide

Dr. Pradeep Kumar N S
Head of Department

Dr. B Venkata Narayana
Principal

External Examiners
1. Dr. Pradeep Kumar N.S
2. Dr. S. Sarvaran

25/05/23
25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year project work entitled "IoT based early flood detection and avoidances" *carried out by* Impana B S (1SP19EC011), Binu B (1SP19EC006), Manjunath B (1SP19EC015), Yeshwanth Gowda G (1SP19EC027), *bonafide students of S.E.A. College of Engineering and Technology. in partial fulfilment for the award of* **Bachelor of Engineering** *in* **Electronics and Communication Engineering,** *Visvesvaraya Technological University. Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Final year project report has been approved as it satisfies the academic requirements on prescribed for the said degree.*

Mrs. Dhivya Karunya S
Guide

Dr. Pradeep Kumar N S
Head of the Department

Dr. B Venkata Narayana
Principal

External Examiners

1. Dr Pradeep Kumar N.S
2. Dr. J. Suvendran

Signature with date

25/05/23

25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Final year Project work entitled "**IOT BASED 3-PHASE UNDERGROUND CABLE FAULT DETECTION AND MONITORING SYSTEM**" carried out by **BHARATH B (1SP19EC005), BYREGOWDA N(1SP19EC007), CHANDAN J A (1SP18EC002), MANOJ G Y (1SP19EC016)**, bona fide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Final year Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. Gayathiri K	**Dr. Pradeep Kumar N S**	**Dr. B Venkata Narayana**
Guide	Head of the Department	Principal

External Examiners

1. Dr Pradeep Kumar N.S
2. Dr. J. Suresh Kumar

Signature with date

25/05/23

25/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU -560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.

CERTIFICATE

Certified that the Final-Project works entitled " IOT USING GREEN HOUSE MONITORING SYSTEM" carried out By NADIVEEDI SRI PRIYA (1SP18EC012),MAMTA KUMARI.D (1SP19EC014),PRIYANKA KUMARI (1SP19EC021),SATHVIKA GB(1SP19EC023) the bonafide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Final-Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. Deepa Gowda N
Guide

Dr. Pradeep Kumar N S
Head of the Department

Dr. B Venkata Narayana
Principal

External Examiners

Signature with date

1. Dr. Pradeep Kumar N.S 25/05/23
2. Dr. T. Sundaram 25/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

CHANDAN J A [1SP18EC002]

Under The Guidance of:

Internal Guide

Mrs. Gayathiri K
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the
BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For the academic year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

NADIVEEDI SRI PRIYA [1SP18EC012]

Under The Guidance of:

Internal Guide

Prof. Mrs. Deepa Gowda N
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560075

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart Bengaluru-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

ಎಲ್ ಸಿ ಎ ತೇಜಸ್ ವಿಭಾಗ
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L C A TEJAS DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बेंगलूर कॉम्प्लेक्स / BANGALORE COMPLEX
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂ. 3791, ಬೆಂಗಳೂರು - 560037, ಭಾರತ
Post Bag No.3791, Bengaluru - 560037, India
ದೂರವಾಣಿ / दूरभाष / Ph.: 91 - 80 - 2252 1809 2252 3811 2252 3812 2252 3565 2252 3832 2252 1966
ಫ್ಯಾಕ್ಸ್ / फैक्स / Fax: 91 - 80 - 2252 1808

No. LCA/HR/TM/46/2254/2022 **Date: 30.09.2022**

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Abhilash C, 7th Semester, B.E (Electronics & Communication), S.E.A College of Engineering and Technology, Bangalore, has undertaken an Internship in partial fulfillment of his academic requirement at LCA Tejas Division from 05.09.2022 to 30.09.2022.

2. His behavior & conduct during the above training period was Very Good.

3. We wish him all the best for future endeavors.

(NOEL T RAJAN)
MANAGER (HR)

www.hal-india.co.in

INTERNSHIP CERTIFICATE

Reg. No : AAB9565

inventeron

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr Ms. ANIRBAN SANKI

has completed internship on IOT GLASSES FOR BLIND PEOPLE

from 26th AUG 2022 to 26th SEP 2022 successfully.

We wish this intern all the best for future endeavours.

Managing Director

www.inventeron.com

This certificate was issued based on the project that I conducted during the internship period

TECHNOLOGICS

Internship Certificate

This certificate is proudly presented to

Aniya Rawsar

for successful completion of Internship in AI & ML using python

under the guidance of TECHNOLOGICS GLOBAL PVT. LTD.

Conducted between 25-08-2022 *to* 24-09-2022

for the student of SEA COLLEGE OF ENGINEERING AND TECHNOLOGY,Ekta nagar, Bangalore

Signature of Authority

Raghavendra Complex, 10th Main Road, 4th Block, Jayanagar, Bengaluru - 560041, India | www.technologics.in

CERTIFICATE

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ಎಲ್ ಸಿ ಎ ತೇಜಸ್ ಪ್ರಭಾಗ
L C A TEJAS DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बेंगलूर संकुलक्षेत्र / BANGALORE COMPLEX
ಬೆಂಗಳೂರು ವಿಮಾನಯಾನ ಸಂಸ್ಥೆ
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂ. 1791, ಬೆಂಗಳೂರು - 560 037, ಭಾರತ
Post Bag No. 1791, Bengaluru - 560 037, India
ದೂರವಾಣಿ / दूरभाष / Ph.: 91 - 80 - 22323809 22323811 22323812 22323595 22323852 22323566
ಫ್ಯಾಕ್ಸ್ / फैक्स / Fax: 91 - 80 - 22323808

www.hal-india.co.in

No. LCA/HR/TM/46/2255/2022 **Date: 30.09.2022**

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Arbeen Taj, 7th Semester, B.E (Electronics & Communication), S.E.A College of Engineering and Technology, Bangalore, has undertaken an Internship in partial fulfillment of her academic requirement at LCA Tejas Division from 05.09.2022 to 30.09.2022.

2. Her behavior & conduct during the above training period was Very Good.

3. We wish her all the best for future endeavors.

(NOEL T RAJAN)
MANAGER (HR)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

BHARATH B [ISP19EC005]

Under The Guidance of:

Internal Guide

Mrs. Gayathiri K
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

Binu.B [1SP19EC006]

Under The Guidance of:

Internal Guide

Mrs. Divya Karunya S
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

TAKE IT SMART

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE FROM HAL – TEJAS DIVIDION

एल सी ए तेजस प्रभाग
LCA TEJAS DIVISION
हिंदुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

No. LCA/HR/TM/46/2257/2022 Date: 30.09.2022

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Cyril Paul Rayan, 7th Semester, B.E (Electronics & Communication), S.E.A College of Engineering and Technology, Bangalore, has undertaken an Internship in partial fulfillment of him academic requirement at LCA Tejas Division from 05.09.2022 to 30.09.2022.

2. His behavior & conduct during the above training period was Very Good.

3. We wish him all the best for future endeavors.

(NOEL T RAJAN)
MANAGER (HR)

www.hal-india.co.in

आज़ादी का अमृत महोत्सव

पंजीकृत कार्यालय : 15/1, कब्बन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India
सी आई एन / CIN: L35301KA1963GOI001622

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd

SUBMITTED BY:

GLORY DSOUZA R [1SP19EC010]

Under The Guidance of:

Internal Guide
Dr. P.Hosanna Princye
Associate Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide
Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

एल सी ए तेजस प्रभाग
L C A TEJAS DIVISION
BANGALORE COMPLEX
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

No. LCA/HR/TM/46/2296/2022 Date 07.10.2022

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Impana, 7th Semester, B.E (Electronics & Communication), SEA College of Engineering & Technology, Bangalore has undertaken an Internship in partial fulfillment of her academic requirement at LCA Tejas Division from 10.09.2022 to 07.10.2022.

2 Her behavior & conduct during the above training period was Very Good

3 We wish her all the best for future endeavors.

(NOEL T RAJAN)
MANAGER (HR) LCA

www.hal-india.co.in

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd

SUBMITTED BY:

KAVITHA P **[1SP19EC012]**

Under The Guidance of:

Internal Guide
Dr. P.Hosanna Princye
Associate Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide
Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Reg No: AA89565

inventeron

INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. LAVANYA . K

has completed internship on INDUSTRIAL SAFETY MONITORING SYSTEM USING IOT

from 26th AUG 2022 to 26th SEP 2022 successfully

We wish this intern all the best for future endeavours.

Managing Director

www.inventeron.com

Take It Smart (OPC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout, Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

MAMTA KUMARI D

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

Embedded System and IoT

20th August 2022 to 20th September 2022

We found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her. And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT LTD BENGALURU

Mallikarjun Kumbar
Director

MSME #startupindia

Take It Smart (OPC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

MANJUNATH B

Student of SOUTH EAST ASIAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Has completed internship in Embedded System and IoT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT LTD

Mallikarjun Kumbar
Director

MSME #startupindia

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

MANOJ G Y [1SP19EC016]

Under The Guidance of:

Internal Guide

Mrs. Gayathiri K
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart
Bengaluru-560075

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Take It Smart (OPC) PVT LTD

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Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

NAVEEN Y

Student of **SEA College Of Engineering And Technology**

Has completed Internship in **Embedded System and IoT**

From **20th August 2022 to 20th September 2022**

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT. LTD.

Mallikarjun Kumbar
Director

#startupindia

Reg. No : AAB9565

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INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. PALLAVI A.S

has completed internship on HEALTH CARE MONITORING USING IOT

from 26th AUG 2022 to 26th SEP 2022 successfully.

We wish this intern all the best for future endeavours.

Managing Director

www.inventeron.com

Take It Smart (OPC) PVT LTD

#14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

PARVATHI S

Student of SOUTH EAST ASIAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Has completed Internship in Embedded System and IoT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented. She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

Mallikarjun Kumbar
Director

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Take It Smart (OPC) PVT LTD

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Vijayanagar, Bengaluru - 560 040. Mob. - 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

PRAJWAL RJ

Student of SOUTH EAST ASIAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Has completed Internship in Embedded System and IoT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT. LTD.

Mallikarjun Kumbar
Director

#startupindia

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590 018

An internship report on

"SMART PARKING SYSTEM"

Internship report submitted in partial fulfillment for the award of the degree of

Bachelor of Engineering

In

Electronics and Communication Engineering

Submitted By

PRIYANKA KUMARI (1SP19EC021)

Under the Guidance of

Mrs.DEEPA GOWDA N

Asst.Professor Dept of ECE S.E.A CET.

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU — 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

ಎಲ್ ಸಿ ಎ ತೇಜಸ್ ವಿಭಾಗ
LCA TEJAS DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बैंगलूर कॉम्प्लेक्स / BANGALORE COMPLEX
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED

एचएएल HAL

पोस्ट बैग नं. 3791, बंगलूर - 560037, भारत
Post Bag No.3791, Bengaluru - 560037, India
दूरभाष/दूरध्वनि (Ph.: 91-80-2232 3809 2232 3811 2232 3812
2232 3595 2232 3832 2232 3966
फैक्स/टेलेक्स (Fax: 91-80-2232 3809

No. LCA/HR/TM/46/2296/2022

Date: 07.10.2022

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Rajesh.P, 7th Semester, B.E (Electronics & Communication), SEA College of Engineering & Technology, Bangalore, has undertaken an Internship in partial fulfillment of his academic requirement at LCA Tejas Division from 10.09.2022 to 07.10.2022.

2. His behavior & conduct during the above training period was Very Good.

3. We wish him all the best for future endeavors.

7/10/22

(NOEL T RAJAN)
MANAGER (HR) LCA

www.hal-india.co.in

Take It Smart (OPC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

SATHVIKA GB

Student of SOUTH EAST ASIAN COLLEGE OF ENGINEERING and TECHNOLOGY

Has completed Internship in Embedded System and IoT

From 21st August 2022 to 21st September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented, She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT. LTD.

#startupindia

Mallikarjun Kumbar
Director

Take It Smart (OPC) PVT LTD

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www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

SOMAGUTTA KOTTAM AVINASH REDDY

SOUTH EAST ASIN COLLEGE OF ENGINEERING AND TECHNOLOGY

Embedded System and IoT

20th August 2022 to 20th September 2022

Mallikarjun Kumbar
Director

MEITY #startupindia

Take It Smart (OPC) PVT LTD

14, SGN Arcade, 1st Floor, 2nd stage, 1st Main Rd, RPC Layout,
Vijayanagar, Bengaluru - 560 040 Mob. : 8050104212 / 8792697647
www.takeitsmart.in

TAKE IT SMART

Reg No. : 150027

ISO 9001 :2015

Internship Certificate

This Certifies that

SOMAGUTTA KOTTAM AVINASH REDDY

Student of SOUTH EAST ASIN COLLEGE OF ENGINEERING AND TECHNOLOGY

Has completed internship in Embedded System and IoT

From 20th August 2022 to 20th September 2022

we found him/her sincere, Hardworking, Dedicated and Result oriented. She/he Worked well as Part of the team during his/her tenure. We take this opportunity to thank him / her And Wish him / her all the best for him / her future.

TAKE IT SMART (OPC) PVT LTD BENGALURU

Mallikarjun Kumbar
Director

#startupindia

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Academic Year 2022-23

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, vijayanagar Bangalore-560040

SUBMITTED BY:

V Y SANTHOSH [1SP19EC026]

Under The Guidance of:

Internal Guide

Mrs. Asha V K R
Assistant professor
Dept of ECE, S.E.A CET
Bengaluru-560049

External Guide

Mr. Srinivas Assistant Professor,
Assistant supervisor,
Take It Smart
Bengaluru-560075

CERTIFICATE FROM H

LCA TEJAS DIVISION
तेजस प्रभाग
HINDUSTAN AERONAUTICS LIMITED

No: LCA/HR/TM/46/ /2022

Date: 30.9.2022

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Yeswanth Gowda. G, 7th Semester, B.E (Electronics & Communication), S.E.A College of Engineering & Technology, Bangalore, has undertaken an Internship in partial fulfillment of his academic requirement at LCA Tejas Division from 05.09.2022 to 30.09.2022.

2 His behavior & conduct during the above training period was Very Good.

3 We wish him all the best for future endeavors.

(NOEL T RAJAN)
MANAGER (HR) LCA

www.hal-india.co.in

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

An Internship Report on

"EMBEDDED SYSTEM AND IOT"

Submitted in partial fulfilment for the requirement of 7th semester for the

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

For The Year 2022-23 Academic

Internship carried out at:

Take It Smart(opc) Pvt Ltd
RPC Layout, Vijayanagar,
Bangalore-560040

SUBMITTED BY:

YOGESH V [1SP19EC028]

Under The Guidance of:

Internal Guide

Mrs. Revathi k
Assistant Professor,
Dept of ECE, S.E.A CET
Bengaluru-560075

External Guide

Mr. Srinivas
Assistant supervisor,
Take It Smart Bengaluru-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
BENGALURU-560049
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Bengaluru-560049

Department of Electronics and Communication Engineering

CERTIFICATE

Certified that the project work entitled **"ANTI SLEEP ALARM FOR DRIVERS"** has been successfully carried out by **BHAVANI S (1SP20EC001), E NANDINI (1SP20EC003), JYOTHI N N (1SP20EC005), SNEHASHREE K (1SP20EC009),**

Bonafied students of engineering and technology, in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering **Visvesvaraya Technological University, Belagavi** during the year 2022-2023. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfied the academic requirements prescribed for the said degree.

Mrs. GAYATHIRI K
Guide

Dr. PRADEEP KUMAR N S
Head of Department

Dr.B Venkata Narayana
Principal

External Examiner
1. Dr. Pathosanna Pandey.
2. Poornima B

Signature with date
19/7/23
19/7/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU – 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Project work entitled **"MC Based Collision Detection System"** **carried out by** LOKESH P (1SP20EC006), MOHITH GOWDA C B (1SP20EC007), PRATIK KUMAR RAI (1SP20EC010) bonafide students of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering** Visvesvaraya Technological University, Belgavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs Deepa Gowda N	**Dr Pradeep Kumar N S**	**Dr. B Venkata Narayana**
Guide	*Head of Department*	*Principal*

External Examiners

1. Dr. P. Hosanna Poinye
2. Poornima. B

Signature with date

9/7/23

19/7/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU – 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Project work entitled **"FINGERPRINT DOOR LOCK SYSTEM USIN ARDUINO" carried out by** CH VENKATA SUDHEER KUMAR (1SP20EC002), E RAJESH (1SP20EC008), D N PADMANAND (1SP20EC008) bonafide students of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Bachelor of Engineering** in **Electronics and Communication Engineering** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. ASHA VKR	**Dr Pradeep Kumar N S**	**Dr. B Venkata Narayana**
Guide	*Head of Department*	*Principal*

External Examiners *Signature with date*

1. Dr. P Hosamma 19/7/23
2. Poornima .B 19/7/23

"DESIGN AND ANALYSIS OF SIX AXES ROBOTIC ARM"

A Project Work Report Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

Submitted By

Hemakesha N	**1SP19ME001**
Nagaraj	**1SP19ME005**
S Singeravelu	**1SP19ME007**
Tejas.M.A	**1SP19ME010**

Under the Guidance of

Guide

Dr. Manjunath.K
Assistant Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering
SEA COLLEGE OF ENGINEERING & TECHNOLOGY
(Affiliated to VTU and approved by AICTE)
Bengaluru-560 049

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"DESIGN AND FABRICATION OF SOLAR CUM MANUAL OPERATED DIAPHRAGM PUMP WITH SEED SOWING MACHINE"

A Project Work Report Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

Submitted By

RAJSHEKAR.G.K	**1SP19ME012**
KISHOR.S.V	**1SP19ME003**
MOKSHAGNA YADAV.S.R	**1SP19ME004**
SHIV KUMAR MAHTO	**1SP19ME008**

Under the Guidance of

Guide

Dr.Suresha.P
Head of the department
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560 049

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"DESIGN AND DEVELOPMENT OF UNMANNED ARMY ROBOT USING RF CONTROL"

A Project Work Report Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

Submitted By

SUNIL.D	**1SP19ME009**
JASEEM.S.M	**1SP19ME002**
PRANAV.P	**1SP19ME006**
YAMBEM SUSHIL SINGH	**1SP18ME023**

Under the Guidance of

Guide

Mr. Rajesh. N
Assistant Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560 049

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

Project report on

"DEVELOPMENT AND CHARACTERIZATION OF Al-12 wt.%Si ALLOY BASED MMC REINFORCED WITH Al_2O_3 PARTICULATES."

Submitted in partial fulfilment of the requirements for the award of

Bachelor of Engineering

In

MECHANICAL ENGINEERING

Submitted by:

S Karthick- 1SP20ME400

S Vikram Kumar – 1SP20ME402

Under the guidance of ,

Kuberagouda S B

Assistant Professor

DEPARTMENT OF MECHANICAL AND INDENGINEERING

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Academic year: 2022-23

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Visvesvaraya Technological University, Belagavi

An
Internship Report Submitted
To
Impartial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

At
AkzoNobel India Ltd

Submitted By

NAGARAJ
USN: 1SP19ME005

Under the Guidance of

Dr.Manjunath.K
Assistant Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEACOLLEGEOFENGINEERING&TECHNOLOGY

(Affiliated to VTU and approved by AICTE)
Bengaluru-560049

Visvesvaraya Technological University, Belagavi

An
Internship Report Submitted
To
Impartial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

At
TAKE IT SMART PVT LTD

Submitted By

KISHOR S V
USN: 1SP19ME003

Under the Guidance of

Dr.Manjunath.K
Assistant Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEACOLLEGEOFENGINEERING&TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560049

Visvesvaraya Technological University, Belagavi

An
Internship Report Submitted
To
Impartial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

At
100 MLD, BWSSB SEWAGE TREATMENT PLANT
HEBBAL

Submitted By

SUNIL D
USN: 1SP19ME009

Under the Guidance of

Dr.Manjunath.K
Assistant Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEACOLLEGEOFENGINEERING&TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560049

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-560018

A MINI PROJECT REPORT

ON

"DESIGN AND FRABRICATION OF MINI HYDRAULIC JACK"

Submitted in partial fulfillment of the requirements for the award of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

For the academic year 2022 - 23

Submitted by

DHANUSH.S	**1SP21ME400**
HEMANTH KUMAR S V	**1SP21ME401**
MANJUNATH V	**1SP21ME403**
SANJAY K	**1SP21ME404**

Under the guidance of

Dr.Manjunath.K

Assistant Professor

Department of ME, S.E.A, Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BANGALORE-560049

"DEVELOPMENT OF AUTOMATIC SOLAR PANEL ROTATION BASED ON SUNLIGHT BY USING ARDUINO"

A Mini Project Work Report Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

Submitted By

ARJUN DAS.P.V	**1SP20ME001**
SANTHOSH D	**1SP21ME405**
SHIVARAJ	**1SP21ME406**
VASANTHA KUMAR D.K	**1SP21ME407**

Under the Guidance of

Guide

Dr.Manjunath.K
Ass. Professor
Department of Mechanical Engineering

Department of Mechanical Engineering

SEA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560 049

"OBSTACLE AVOIDING CAR USING ARDUINO"

A Mini Project Work Report Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of the requirement for the award of the degree

Bachelor of Engineering
In
Mechanical Engineering

Submitted By

ULLAS.G **1SP20ME002**

Under the Guidance of

Dr.Manjunath.K
Asst. Professor
Department of Mechanical Engineering
SEA College of Engineering and Technology

Department of Mechanical Engineering

SEA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

Bengaluru-560 049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Mini-Project works entitled "STUDY ON THE STRENGH CHARACTERISTICS AND WORKABILITY OF CONCRETE BY PARTIAL REPLACEMENT FINE AGGREGATE WITH CRUMB RUBBER " carried out by RAKSHITH RAHUL M U (1SP18CV014) the Bonafede student of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering** in **Civil Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022- 23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. V R Rimju	**Mr.Nishanth.L**	**Dr. B Venkata Narayana**
Assistant professor	Head of the Department	Principal
Dept of Civil engineering		

External Examiners

1. Vinay Kumar.S
2.

Signature with date

24/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify the project work entitled **"COMPARISON STUDY OF SOIL STABILIZATION USING DIFFERENT MATERIALS"** been successfully carried out by **SUVAM GACHHADAR (1SP19CV012), MUKUND KUMAR YADAV (1SP19CV010), AMAR KUMAR YADAV (1SP19CV003), AASHNIKUMAR KHUMANTHEM (1SP19CV001) of 8TH semester in fulfilment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi During the year 2022-2023.The project report has been approved as it satisfied the academic requirement in respect of the mini project work prescribed for Bachelor of Engineering.**

Signature of Co-Ordinator	Signature of HOD	Signature of Principal
R Vaishnu Kumar	**Nishanth L**	**Dr. B Venkata Narayan**

Signature of Internal Examiner

Signature of External Examiner 24/5/23

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S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Project works entitled **"EXPERIMENTAL INVESTIGATION OF STEEL FIBER REINFORCED CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE BY COPPER SLAG "**carried out by **ABZAL ANSARI (1SP19CV002), IRFAN AHMAD MIR (1SP17CV012), RAJU KUMAR YADAV (1SP19CV013), ARIF ANSARI (1SP19CV004)** the bonafide student of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Bachelor of Engineering** in **Civil Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs.M.Angeline Mary	**Mr.Nishanth.L**	**Dr. B Venkata Narayana**
Guide	Head of the Department	Principal

External Examiners

Signature with date

1. Vinay Kumar.S
2. M.Angeline Mary

24/5/23

24/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Mini-Project works entitled "STUDY ON THE STRENGH CHARACTERISTICS AND WORKABILITY OF CONCRETE BY PARTIAL REPLACEMENT FINE AGGREGATE WITH CRUMB RUBBER " carried out by ARUN KUMAR B (1SP19CV005), JEEVAN GB (1SP18CV022), HARSHITH GOWDA (1SP19CV007), JAHNAVI A (1SP19CV008) the bonafide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Bachelor of Engineering** in**Civil Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs.VR Rinju	**Mr.Nishanth.L**	**Dr. B Venkata Narayana**
Assistant professor Dept of Civil engineering	Head of the Department	Principal

External Examiners — Signature with date

1. Vinay Kumar.S — 24/5/23
2. M. Angelina Mary — 24/5/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama'% Belgavi-590014

A PROJECT REPORT ON

'EXTENSIVE SURVEY PROJECT'

UNDERTAKEN AT SEA COLLEGE SURROUNDINGS.

Submitted in Partial Fulfillment of the requirement for die award of degee of

BACHELOR OF ENCINEERNG

IN

CIVIL ENGINEERING

SUBMITED BY:6' Semester Students

UNDER THE ESTEEMED GUIDENCE OF

Mr. NISHANTH L

Prof & H.O.D,

Department Of Civil Engineerg

Mr. R ASHNU KUMAR
ASST PROF

Mrs. V R RENJU
ASST PROF

Mr. BHAVANA J
ASST PROF

Mr. ANGELINE MARY
ASST PROF

Dr. B VENKATNARAYANA
PRINCIPAL

DEPARTMENT OF CIVIL ENGINEERING

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

(Affiliated to VTU and approved by AICTE)

BANGALORE-560049

CamScanner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
EKTA NAGAR, (K.R PURAM), VIRGONAGAR (POST) BANGALORE-560049

DEPARTMENT OF CIVIL ENGINEERING

PROJECT REPORT ON

18CEVP68-EXTENSIVE SURVEY PROJECT

For project work prescribed by the Visvesvaraya Technological university, for 6th Semester B.E,Civil Engineering

UNDER THE GUIDENCE OF:
Mr.NISHANTH
Assistant prof & H.O.D

SUBMITTED BY
MOHAMMED JUNAID
MUMTAZ ANSARI
PAL KUOL PAL
ORVIS KURIAN BABU
W.KIRANJIT SINGH

CamScanner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EKTA NAGAR, K.R PURAM, VIRGONAGAR POST

BANGALORE-560049

2022-2023

DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that the project work entitled for the "EXTENSIVE SURVEY PROJECT REPORT"is a bonafide work of the "VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELGAVI" During the year 2022-2023 The project report has approved as it satisfies the acedamic requirements prescribed for the B.E DEGREE, the projecthas been carried out by 6 th Semester students.

Batch-01

NAME:	USN:
MOHAMMED JUNAID	1SP20CV002
MUMTAZ ANSARI	1SP20CV003
PAL KUOL PAL	1SP20CV004
ORVIS KURIAN BABU	1SP20CV005
W.KIRANJIT SINGH	1SP17CV035

CamScanner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Internship Report on LAYOUT PLANNING AND ROAD CONSTRUCTION carried out by JEEVAN G B (1SP18CV022) the bonifide student of S.E.A. College of Engineering and Technology, KR puram And Build Height, design and construction, Bengaluru as in partial fulfillment for the award of **Bachelor of Engineering** in **Civil Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. BHAVANA	**Mr. NISHANTH. L**	**Dr. B VENKATA NARAYANA**
Assistant professor Dept of Civil engineering	Head of the Department	Principal

External Examiners

1. BHAVANA.J

2. Prof. Prashant N Attigeri

Signature with date

26/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"CONSTRUCTION OF RESIDENTIAL BUILDING"** carried out by **Mr. SUVAM GACHHADAR (1SP19CV012),** Bonafede student of S.E.A College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Civil Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023 is certified that all corrections/suggestions indicated for internal report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of Coordinator	Signature of HOD	Signature of Principal
Asst. Prof. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkata Narayana**

EXTERNAL EXAMINER

Signature with Date

1. BHAVANA-J 26/5/23
2. Prof. Prashant N. Mhyd

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Internship Report on RESIDENTIAL AND COMMERCIAL CONSTRUCTION carried out by ARUN KUMAR B (1SP19CV005) the bonafide student of S.E.A. College of Engineering and Technology, KR Puram And MAYA ASSOCIATES Davangere as in partial fulfillment for the award of **Bachelor of Engineering** in **Civil Engineering,** Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. BHAVANA J	**Mr. NISHANTH. L**	**Dr. B VENKATA NARAYANA**
Assistant professor Dept of Civil engineering	Head of the Department	Principal

External Examiners	Signature with date
1. BHAVANA-J	26/5/23
2. Prof. Prashant N Wagal	26/5/23

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Residential Building "** carried out by **ARIF ANSARI (1SP19CV004)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022-2023.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 internship work prescribed for the said degree..

Mrs. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkatnarayan**
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**

INTERNAL EXAMINER

1. BHAVANA J
2. Prof. Prashant N. Nilagal

EXTERNAL EXAMINER

26/5/23

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Residential Building "** carried out by **ABZAL ANSARI (1SP19CV002)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022-2023.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 internship work prescribed for the said degree..

Mrs. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkatnarayan**
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**

INTERNAL EXAMINER

1. BHAVANA·J
2. Prof. Prashant N Nilagal

EXTERNAL EXAMINER

26/5/23
26/5/23

CERTIFICATE

Certified that the Internship Report titled "ROAD CONSTRUCTION" is carried out by MS,Jahnavi A USN:1SP19CV008 a bonafied student of SEA College of Engineering&Technology, KR Puram and Co.Anjaneya Badavane,Davanagere,, in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said Degree

Mrs.BHAVANA J	**Mr.NISHANTH. L**	**Dr.VENKATA NARAYANA**
Internshipe/guide	Associate Professor and Head	Principal

Signature with date and seal:

External Viva:

Name of the Examiners:	Signature with Date
1. BHAVANA-J	26/5/23
2. Prof-Prashant N Nilugal	

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Commercial Building "** carried out by **IRFAN AHMAD MIR (1SP17CV0012)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree..

Bhavana J		
Mrs. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkatnarayan**
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**

INTERNAL EXAMINER

1. BHAVANA J
2. Prof Prashant H. Nilugal

EXTERNAL EXAMINER

26/5/23

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"CONSTRUCTION OF FOOTING AND STRAP BEAM OF RESIDENTAL BUILDING"** carried out by **Mr. AMAR KUMAR YADAV (1SP19CV003)**, Bonafede student of S.E.A College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Civil Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023 is certified that all corrections/suggestions indicated for internal report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of Guide	Signature of HOD	Signature of Principal
Mrs. Bhavana J	**Dr. Nishanth L**	**Dr. B Venkata Narayana**

EXTERNAL EXAMINER

1. BHAVANA J
2. Prashant N

Signature with Date

26/5/23

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Residential Building "** carried out by **RAJU KUMAR YADAV (1SP19CV013)**,bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree..

Mrs. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkatnarayan**
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**

INTERNAL EXAMINER

1. BHAVANA J
2. Prashant N Nilagal

EXTERNAL EXAMINER

26/5/23

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Residential Building "** carried out by **RAKSHITH RAHUL M U (1SP18CV014)**, bonafied student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree..

Mrs. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkatnarayan**
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**

INTERNAL EXAMINER

1. BHAVANA.J 26/5/23
2. Prof. Prashant N. Nilegal 26/5/23

EXTERNAL EXAMINER

CamScanner

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

BENGALURU -560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"Finishing work of a Residential Building"** carried out by **MUKUND KUMAR YADAV (1SP19CV010)**, Bonafede student of S.E.A College Of Engineering & Technology, in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2022- 2023.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 internship work prescribed for the said degree.

Signature of Coordinator	Signature of HOD	Signature of Principal
Asst. Prof. Bhavana J	**Mr. Nishanth L**	**Dr. B Venketa Narayana**

INTERNAL EXAMINER

1. BHAVANA-J 26/5/23
2. Prof Prashant N. Nikyal 26/5/23

EXTERNAL EXAMINER

CamScanner

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU–560049

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the Internship Report on LAYOUT PLANNING AND ROAD CONSTRUCTION carried out by HARSHITH GOWDA PK (1SP19CV007) the bonafide student of S.E.A. College of Engineering and Technology, KR puram And Build Height, design and construction, Bengaluru as in partial fulfillment for the award of **Bachelor of Engineering** in **Civil Engineering**, Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions in dictated for internal assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirements on prescribed for the said degree.

Mrs. BHAVANA J	**Mr. NISHANTH. L**	**Dr. B VENKATA NARAYANA**
Assistant professor Dept of Civil engineering	Head of the Department	Principal

External Examiners — Signature with date

1. BHAVANA.J — 26/5/23

2. Prof. Prashant N Nilgal

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K.R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT CIVIL ENGINEERING

CERTIFICATE

Certified that the internship entitled **"CONSTRUCTION OF RESIDENTIAL BUILDING"** carried out by **Mr. AASHNIKUMAR KHUMANTHEM (1SP19CV001),** Bonafede student of S.E.A College of Engineering & Technology, in partial fulfillment for the award of **Bachelor of Engineering** in Civil Engineering Department of the Visvesvaraya Technological University, Belgaum during the year 2022-2023 is certified that all corrections/suggestions indicated for internal report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of Guide	Signature of HOD	Signature of Principal
Asst.Prof. Bhavana J	**Mr. Nishanth L**	**Dr. B Venkata Narayana**

EXTERNAL EXAMINER

Signature with Date

1. BHAVANA-J 26/5/23
2. Prof. Prashant N Nilugal 26.5.23

AN
ORGANIZATIONAL STUDY
ON
BANASHANKARI CHEMICALS PVT LTD.

By

ADARSHAKUMAR D C

(1SP21BA001)

Submitted To

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI

In partial fulfillment of requirement for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

Dr. S. B. ANILKUMAR

HOD, DEP OF MBA SEACET

Department of Management studies – MBA

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Ekta Nagar, Basavanapura, Virgonagar P.O, K R Puram Bangalore-560049

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....

05/12/2022

CERTIFICATE

This is to certify that **Adarshakumar D C** bearing **USN 1SP21BA001** is a bonafide student of Master of Business Administration batch **2021-2023** affiliated to Visvesvaraya Technological University, Belagavi. Internship report on **"Organizational Study in Banashankari Chemicals Pvt ltd,"** is prepared by **him** under the guidance of **Dr. S B AnilKumar** in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

20/12/23 20/12/23

Signature of the Internal Guide **Signature of the HOD** **Signature of the Principal**

Head of the Department - MBA
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

20/03/2023

gar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
Phone : 080-29730681, 7353945999
e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

"AN ORGANISATIONAL STUDY ON ZETPEAK PRIVATE LIMITED"

By

ANUSHA.V

(1SP21BA002)

Submitted to

VISVESVARAYATECHNOLOGICALUNIVERSITY, BELAGAVI

In Partial fulfillment of requirements for the award of the degree of "MASTEROFBUISNESSADMINISTRATION"

Under the guidance of

Dr. S. B. Anil Kumar

HOD, Department of M.B.A

SEACET

Department of MBA

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

EktaNagar, Basavanapura, virgonagar P.O, K. R. Puram,

Bangalore -560049

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Anusha V** bearing**USN 1SP21BA002** is a bonafide student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaraya Technological University, Belagavi. Internship report on **"Organizational Study in Zetpeak Private Limited"** is prepared by **her** under the guidance of **Dr. S B Anil Kumar** in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of the Internal Guide 18/3/23

Signature of the HOD 17/3/23

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

Signature of the Principal

20/3/23

gar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
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AN ORGANIZATION STUDY ON MAHAMANAVA ISPATH PVT LTD AT BALLARY

BY

BHAVANA.K

USN 1SP21BA003

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

Dr. S.B. ANIL KUMAR

HEAD OF THE DEPARTMENT

Department of MBA

S.E.A College of Engineering & Technology

Ekta Nagar, Basavanapura Virgonagar P.O

K R Puram, Bangalore – 560

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Bhavana K** bearing **USN 1SP21BA003** is a bonafide student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaraya Technological University, Belagavi. Internship report on **"Organizational Study in Mahamanava Ispat Private Limited"** is prepared by **her** under the guidance of **Dr. S B Anil Kumar** in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

12/3/23 — **Signature of the Internal Guide**

12/3/23 — **Signature of the HOD**

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

Signature of the Principal

20/3/23 — **External Examiner**

gar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
Phone : 080-29730681, 7353945999
e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

AN

ORGANISATION STUDY ON ADITYA INDUSTRIES PVT LTD,

BY

DEEKSHITHA.S

1SP21BA004

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELGAVI-590018

In Partial Fulfilment of the Requirements for the Award of Degree of

MASTER OF BUSINESS ADMINISTRATION

(2021-2023)

UNDER THE GUIDENCE OF

Dr. S.B. ANIL KUMAR

H.O.D, Department of MBA

SEACET

SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

(EKTANagar, Basavanapura Virdonagar (P), K R Puram, Banglore-560049)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....

05/12/2022

CERTIFICATE

This is to certify that **Deekshitha S** bearing **USN 1SP21BA004** is a bonafide student of Master of Business Administration batch **2021-2023,** affiliated to Visvesvaraya Technological University, Belagavi. Internship report on "**Organizational Study in Aditya Industries Private Limited,**" is prepared by **her** under the guidance of **Dr. S B Anil Kumar**in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

18/3/23 31/3/23

Signature of the Internal Guide **Signature of the HOD** **Signature of the Principal**

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

20/03/2023

External Examiner

agar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
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e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

AN ORGANIZATION STUDY REPORT AT VOLVO GROUP INDIAN PVT LTD

BY

DHARSHINI S

(1SP21BA005)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the a ! of the degree of

"MASTER OF BUSINESS ADMINIS .TION"

(2021-2023)

Under the guidance of

Dr. S. B. Anil Kumar

HOD, Department of M,B,A

Sea college of Engineering &Technology

Bangalore

Department of Management studies -MBA

S.E.A College of Engineering & Technology

Ekta Nagar, Basavanapura Virgonagar P.O

K R Puram, Bangalore – 560049

(October 2022)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Dharshini S** bearing **USN 1SP21BA005** is a bonafid student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaı ya Technological University, Belagavi. Internship report on "**Organizational Study in olvo Group India Pvt Ltd.**" is prepared by **her** under the guidance of **Dr. S B A· Kumar** in partial fulfillment of the requirements for the award of the degree Master of Business Administration of Visvesvaraya Technological University, Belagavi Karnataka.

Signature of the Internal Guide **Signature of the HOD** **Signature of the Principal**

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavarapura, Virgonagar Post,
Bangalore - 560 049

20/3/23

External Examiner

Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
Phone : 080-29730681, 7353945999
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"AN ORGANIZATIONAL STUDY AT SOFT DRINKS PRIVATE LIMITED"

By

FRANKLYN DIAS (ISP21BA006)

Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of requirements for the award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

Dr. priti Kumari

Professor Department of MBA

S.E.A College of Engineering and Technology

Department of Management Studies

S.E.A College of Engineering and Technology

Ekta Nagar, Basavanapura Virgonagar P.O.

K.R. Puram Bangalore – 560049

(December-2022)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....

05/12/2022

CERTIFICATE

This is to certify that **Franklyn Dias** bearing **USN 1SP21BA006** is a bonafide student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaraya Technological University, Belagavi. Internship report on **"Organizational Study in Joyal Soft Drinks,"** is prepared by **him** under the guidance of **Dr. Prity Kumari** in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Prity Kumari

Signature of the Internal Guide **Signature of the HOD** **Signature of the Principal**

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Virgonagar Post,

External Examiner

20/3/23

Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
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e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

AN ORGANIZATION STUDY REPORT AT AIDDITION TECHNOLOGY PVT LTD

BY

GAGANA T. J

(1SP21BA007)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

Dr. PREETHI KUMAR I

Professor of MBA Department

S.E.A college of Engineering &Technology

Bangalore– 560049

Department of Management studies -MBA

S.E.A College of Engineering & Technology

Ekta Nagar, Basavanapura Virgonagar P.O

K R Puram, Bangalore – 560049

(December 2022)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Gagana T J** bearing **USN 1SP21BA007** is a bonafide student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaraya Technological University, Belagavi. Internship report on **"Organizational Study In Aiddition Technology Private Limited,"** is prepared by **her** under the guidance of **Dr. Prity Kumariin** partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Prity Kumari
Signature of the Internal Guide

20/3/23
Signature of the HOD
Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

Signature of the Principal

External Examiner

20/3/23

a Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
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e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

"AN ORGANIZATIONAL STUDY ON METRO CASH AND CARRY"

BY

GAYATHRI BAI. C

(1SP21BA008)

Submitted to

Visvesvaraya Technological University, Belagavi

In partial fulfillment of requirements for the av ard of the degree of

"MASTER OF BUSINESS ADMINISTI ATION"

(2021-2023)

Under the guidance of

Internal Guide

Dr. prity kumari

Professor Department of MBA

S.E.A College of Engineering & Technology

Department of Management Studies

S.E.A College of Engineering & Technology

Ekta Nagar, Basavanapura Virgonagar P.O.

K R PURAM BANGALORE – 560049

(Decmber 2022)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Gayathri Bai C** bearing **USN 1SP21BA008** is a bonafide student of Master of Business Administration batch **2021-2023**, affiliated to Visvesvaraya Technological University, Belagavi. Internship report on "**Org izational Study at Metro Cash And Carry,**" is prepared by **her** under the guidance of **r. Prity Kumari** in partial fulfillment of the requirements for the award of the deg ee of Master of Business Administration of Visvesvaraya Technological University, Bela avi, Karnataka.

prity kumari
Signature of the Internal Guide

18/5/23
Signature of the HOD
Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post
Bangalore - 560 049

Signature of the Principal
PRINCIPAL
SEA College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049

20/03/23
External Examiner

Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA
Phone : 080-29730681, 7353945999
e-mail : seacetadmin@gmail.com website : www.seacet-bangalore.org.in

"AN ORGANISATIONAL STUDY AT HARITHA ENTERPRISES"

By

GEETHA SHREE M

(1SP21BA009)

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

In Partial fulfilment of requirements for the awa· ` (' the degree of

"MASTER OF BUISNESS ADMINISTRA 'ION"

(2021-2023)

Under the guidance of

Dr. PRITY KUMARI

Professor, Department of MBA

Department of Management Studies

S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Ekta Nagar, Basavanapura, virgonagar P.O,

K R Puram, Bangalore -560049

(December-2022)

SOUTH EAST ASIAN EDUCATION TRUST (R)
S.E.A. College of Engineering & Technology
(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Date.....
05/12/2022

CERTIFICATE

This is to certify that **Geetha Shree M** bearing US **1SP21BA009** is a bonafide student of Master of Business Administration batch 2(-2023, affiliated to Visvesvaraya Technological University, Belagavi. Internship repor n **"Organizational Study at Haritha Enterprises"** is prepared by **her** under the guic ce of **Dr. Prity Kumari** in partial fulfillment of the requirements for the award o he degree of Master of Business Administration of Visvesvaraya Technological Univers , Belagavi, Karnataka.

Prity Kumari
Signature of the Internal Guide

Signature of the HOD

Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049

20/3/23

External Examiner

Signature of the Principal

AN ORGANIZATION STUDY ON CORETEC ENGINEERING INDIA PVT LTD

BY

GOWTHAM V

(ISP21BA010)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVER Y, BELGAUM

In partial fulfilment of the requirements for the d of the degree of

"MASTER OF BUSINESS ADM ION"

(2021-2023)

Under the guidance of

Mrs. KASTURI B.S

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AN ORGANIZATIONAL STUDY REPORT AT BHOO DEVELOPERS

BY

HEMANTH KUMAR. A

(1SP21BA011)

SUBMITTED TO

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"AN ORGANISATINAL STUDY AT SHRIRAM TRANSPORT FINANCE"

by

JAYA SHREE D

1SP21BA012

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AN ORGANIZATION STUDY REPORT AT DECATHLON

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AN ORGANIZATIONAL STUDY ON SRI BHARATH PARADISE BUILDERS

BY

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AN ORGANIZATION STUDY REPORT AT CENTUM ELECTRONICS LTD

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AN ORGANIZATIONAL STUDY ONMUTHOOT FINANCE LTD

Muthoot Finance

BY

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AN ORGANIZATIONAL STUDY AT SLV CONCRETE PRIVATE LIMITED

BY

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AN ORGANIZATIONAL STUDY AT BADVE ENGINEERING LIMITED

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"AN ORGANISATIONAL STUDY AT FOOD CREATIONS PVT LTD"

BY

PRAMOD Y.S

(1SP21BA019)

Submitted to

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AN ORGANIZATIONAL STUDY REPORT AT ACCLAIM MOTORS PVT LTD

BY

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"AN ORGANIZATIONAL STUDY AT ALL SEASON SUPER MARKET"

By

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(1SP21BA021)

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"AN ORGANISATIONAL STUDY ON GK PAVEMENTS PVT, LTD"

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AN ORGANISATIONAL STUDY REPORT AT SUNSHINEE ENTERPRISES

BY

SAM JOSHUA J

(1SP21BA023)

SUBMITTED TO

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"AN ORGANIZATIONAL STUDY AT PRALO TECH SOLUTIONS LLP"

By

SANNI KUMAR

JHA

(1SP21BA024)

Submitted to

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In partial fulfillment of requir ents for the award of the degree of

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AN ORGANIZATIONAL STUDY AT STORK SYSTEMS AND PROJECT PVT LTD

BY

SHRAVANI N M

(1SP21BA025)

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A Report

On Organizational study conducted at

SHAHI EXPORTS PRIVATE LIMITED BANGALORE

BY

SHWETHA C

1SP21BA026

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY. BELGUAM

In partial fulfilment of the requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

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AN ORGANIZATIONAL STUDY REPORT AT CHOWKI SERVICES PRIVATE LIMITED

BY

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"AN ORGANIZATIONAL STUDY AT INDO AUTOTECH LTD U-5"

BY

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"AN ORGANIZATIONAL STUDY AT HORIZON PACKS PVT LTD"

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"AN ORGANIZATIONAL STUDY AT NIS MANAGEMENT LIMITED"

By

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"AN ORGANIZATIONAL STUDY AT SUNIL AGRO FOODS LIMITED"

By

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"AN ORGANIZATIONAL STUDY AT BIG BASKET"

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"AN ORGANISATIONAL STUDY AT MEDOPHARM PRIVATE LIMITED"

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"AN ORGANIZATIONAL STUDY AT VTS TF AIR SYSTEMS PVT LTD"

By

VISHNU J S

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AN ORGANIZATIONAL STUDY AT KOMUL

"AN ORGANISATIONAL STUDY ON KOLAR DISTRICT CO-OPERATIVE MILK PRODUCERS SOCIETIES UNION LTD"

By

VIVEK S

(1SP21BA035)

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"AN ORGANISATIONAL STUDY AT ORIENT BELL LIMITED"

BY

ZAIBA SULTHANA

(1SP21BA036)

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A PROJECT REPORT

ON

"A STUDY ON EFFECTIVENESS OF TIME MANAGEMENT AT BANASHANKARI CHEMICALS PRIVATE LIMITED"

BY

ADARSHAKUMAR D C

(1SP21BA001)

SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON IMPACT OF COMPENSATION AND BENEFITS ON EMPLOYEE PERFORMANCE TO GOKALDAS IMAGES PVT. LTD., BENGALURU"

Submitted By

ANUSHA V.
(1SP21BA002)

Submitted to

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A

PROJECT REPORT ON

"A STUDY ON EMPLOYEE WELFARE MEASURE WITH SPECIAL REFERENCE OF NON-MONETARY BENEFITS AT APOLLO POWER SYSTEM PVT LTD"

BY

BHAVANA K

(1SP21BA003)

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"A STUDY ON ORGANIXZATIONAL CULTURE REFERANCE TO EMPLOYEE MORAL AT CIPLA Ltd"

BY

DEEKSHITHA.S

(1SP21BA004)

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM

In Partial fulfilment of requirements for the award of the degree of

"MASTER OF BUISNESS ADMINISTRATION"

Under the guidance of

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A PROJECT REPORT

ON

"A STUDY ON WORKING CAPITAL MANAGEMNT AT TRENT HYPERMARKET PRIVATE LIMITED'

BY

DHARSHINI. S

(1SP21BA005)

SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON THE EFFECTIVENESS OF THE DISTRIBUTION CHANNEL WITH REFERENCE TO DIVINE CASHEW INDUSTRY"

BY

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SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON RISK AND RETURN ANALYSIS AT SWASTIKA INVESTMART"

BY

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A PROJECT REPORT

ON

"A STUDY ON WORK LIFE BALANCE AT SPAR HYPERMARKET"

BY

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SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON EMPLOYEE RETENTION STRATEGIES AT METRO CASH AND CARRY INDIA PRIVATE LTD"

BY

GEETHA SHREE. M

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A PROJECT REPORT

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"A STUDY ON A FACTORS OF INFLUENCE EMPLOYEES INTENTION TO LEAVE THEIR JOB AT QUESS CORP LIMITED''

BY

GOWTHAM V

(1SP21BA010)

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A PROJECT REPORT

ON

"A STUDY ON THE EFFECTIVENESS OF THE BRAND BUILDING WITH DIGITAL MARKETING TOWARDS SALES WITH SPECIAL REFERENCE TO MARUTHI SUZUKI LTD"

BY

HEMANTH KUMAR A

(1SP21BA011)

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A PROJECT REPORT

ON

"A STUDY ON EFFECTIVENESS OF SKILL DEVELOPMENT INITIATIVE AT AIRCRAFT DIVISION, HINDUSTAN AERONAUTICS LIMITED"

BY

Jaya Shree D.
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"A PROJECT REPORT ON CUSTOMER SATISFACTION TOWARDS YEZDI JAWA BIKES WITH SPECIAL REFERENCE TO WHITEFIELD YEZDI"

BY

KEERTHI LAKSHMI T S

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A PROJECT REPORT

ON

"A STUDY ON CUSTOMER PERCEPTION AND SATISFACTION TOWARDS SALES AFTER SERVICES AT

SRI BHARATH PARADISE BUILDERS

BY

MALLELA VENKATA LAVANYA

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A PROJECT REPORT

ON

"A STUDY ON EFFECTIVENESS OF EMPLOYEE TRAINING AND DEVELOPMENT AT VARSHA ASSOCIATES"

BY

MEGHANA V.K.

(1SP21BA015)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

Under the guidance of

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"A PROJECT REPORT ON PERFORMANCE OF GOLD LOAN AND IT'S IMPACTS ON PROFITABILITY"

AT MUTHOOT FINANCE LTD

BY

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In Partial fulfilment of requirements for the award of the degree of

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A PROJECT REPORT

ON

"A STUDY ON EMPLOYEES ABSENTEEISM AND ATTRITION AT KARNATAKA SOAPS AND DETERGENTS"

BY

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A PROJECT REPORT

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"A STUDY ON WAGES AND SALARY ADMINISTRATION AT MEDOPHARM"

BY

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A PROJECT REPORT

ON

"A STUDY ON ANALYSIS OF THE FACTORS THAT INFLUENCE CONSUMER DECISION MAKING PROCESS WITH REFERENCE TO MAHINDRA TRACTORS"

BY

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A PROJECT REPORT

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"A STUDY ON IMPACT OF DIGITAL MARKETING TOWARDS TWO-WHEELER SALES WITH SPECIAL REFERENCE TO DHRUVDESH HONDA BY

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A PROJECT REPORT

ON

"A STUDY ON CUSTOMER PERCEPTION TOWARDS ALL SEASON SUPERMARKET"

BY

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"A PROJECT REPORT ON PERFORMANCE EVALUATION OF MUTUAL FUNDS AT HDFC BANK"

BY

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"A PROJECT REPORT ON CLIENT EXPERIENCE AND SATISFACTION BEFORE AND AFTER B2B SERVICE WITH SPECIAL REFERENCE TO SUNSHINEE ENTERPRISES"

BY

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A PROJECT REPORT

ON

"A STUDY ON CUSTOMER SATISFACTION TOWARDS FLIPKART DELIVERY"

BY

SANNI KUMAR JHA

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A PROJECT REPORT

ON

"A STUDY ON IMPACT OF REMUNERATION ON EMPLOYEE'S ATTITUDE AND PERFORMANCE AT STORK SYSTEMS AND PROJECT PVT LTD"

BY

SHRAVANI N M

(1SP21BA025)

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A PROJECT REPORT

ON

"A STUDY ON CUSTOMERS RELATIONSHIP MANAGEMENT AT RELIANCE JIO INFOCOMM LIMITED"

BY

SHWETHA C

1SP21BA026

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

In partial fulfilment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

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Dr. S B Anil Kumar
Associate Professor & HOD
MBA Department

EXTERNAL GUIDE

Sindhu Ramakanthan
Team leader
Reliance Jio Infocomm Ltd,

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Date 11/9/2023

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"A PROJECT REPORT ON SMART STAFF MANAGEMENT AT WORKEX SOLUTIONS AND SERVICES PVT LTD"

BY

SRILAXMI

(ISP21BA027)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

Under the guidance of

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A PROJECT REPORT

ON

"A STUDY ON EMPLOYEES MOTIVATIONAL FACTORS AT NEEL METAL PRODUCTS LIMITED"

BY

SRINATHA K C

(1SP21BA028)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

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"A PROJECT REPORT

ON ROLE OF INSURANCE IN MINMIZING BUSINESS RISK AT ICICI PRUDENTIAL LIFE INSURANCE COMPANY"

BY

SUSHMA K L

(1SP21BA029)

SUBMITTED TO

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In partial fulfilment of the requirements for the award of the degree of

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PROJECT REPORT (20MBAPR407)

ON

"A STUDY ON RECRUITMENT & SELECTION PROCESS AT NOWPURCHASE"

By

TANISHA MAITY

(1SP21BA030)

Submitted to

Visvesvaraya Technological University, Belagavi

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In partial fulfillment of requirements for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

(2021-2023)

Under the guidance of

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(May 2023)

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A PROJECT REPORT

ON

"A STUDY ON PERFORMANCE APPRAISAL AT SUNIL AGRO FOODS LIMITED"

BY

THEJASHREE R

(1SP21BA031)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

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A PROJECT REPORT

ON

"A STUDY ON EMPLOYEE PERCEPTION TOWARDS ORGANIZATIONAL CHANGE AT ITI LIMITED"

BY

UMA MAHESHWARI S

(1SP21BA032)

SUBMITTED TO

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

In partial fulfilment of the requirements for the award of the degree of

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A PROJECT REPORT

ON

"A STUDY ON STRESS MANAGEMENT AND ITS IMPACT ON EMPLOYEE PERFORMANCE AT KOLAR-CHIKKABALLAPURA DISTRICT CO-OPERATIVE MILK PRODUCER'S SOCIETIES UNION LTD,"

BY

VEENA S

1SP21BA033

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A PROJECT REPORT

ON

"A STUDY ON CONSUMER SATISFACTION TOWARDS VTS PRODUCTS"

BY

VISHNU J S

(1SP21BA034)

SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON EMPLOYEE JOB SATISFACTION"

BY

VIVEK S

(1SP21BA035)

SUBMITTED TO

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A PROJECT REPORT

ON

"A STUDY ON EFFECTIVENESS OF EMPLOYEES ENGAGEMENT AT ORIENT BELL LIMITED"

BY

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(1SP21BA036)

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAUM, KARNATAKA-590014

A final year Project Phase1 report on

"Intrusion Detection for Secure Social Internet of Things Based on Collaborative Edge Computing"

Submitted in Partial fulfillment of the requirements for the 3rd semester

MASTER OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

By

AADARSH THAKUR 1SP21SCS01

Under the guidance of:

Asst. Prof. B. L. Jayakumar
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the project work entitled "**Intrusion Detection for Secure Social Internet of Things Based on Collaborative Edge Computing**" has been successfully carried out by **Mr. Aadarsh Thakur (1SP21SCS01)** of III semester in partial fulfillment for the award of Master of Technology in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2023.

The project report has been approved as it satisfied the academic requirement in respect of the Project work prescribed for the Bachelor of Engineering.

Signature of Guide	Signature of HOD	Signature of Principal
Asst. Prof. B.L. Jayakumar	**Dr. B. Loganayagi**	**Dr. B. Venkata Narayana**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAUM, KARNATAKA-590014

A Project report on

"Network Impingement Detection and Countermeasures Election"

submitted in fulfilment of the requirement for the award of the degree of

MASTER OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

By

AADARSH THAKUR

1SP21SCS01

Under the guidance of

Prof. B.L. JAYAKUMAR
Dept. of CSE

Department of Computer Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar Post, K. R. Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work titled **"NETWORK IMPINGEMENT DETECTION AND COUNTERMEASURES ELECTION"** has been successfully completed by **AADARSH THAKUR (1SP21SCS01)** in partial fulfillment for the award of **Master of Technology** in **Computer Science and Technology** of the Visvesvaraya Technological University, Belgaum, during the year 2023. The project report has been approved as it meets the academic requirements in respect of the Project work prescribed for the Master of Technology degree.

Signature of Guide	Signature of HOD	Signature of Principal
Prof. B.L. Jayakumar	**Prof. Sukesh H.A**	**Dr. B Venkata Narayana**

Name of Examiner	Signature with Date
1. Dr. C. Manimozhi	
2. B.L. Jayakumar	

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

An Internship report on

"EMPLOYEE SOURCE MANAGEMENT"

Submitted in partial fulfilment of the requirements for the 3rd semester

MASTER OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

By

AADARSH THAKUR 1SP21SCS01

Under the guidance

Of

Asst. Prof. B.L. JAYAKUMAR

Department of Computer Science and Engineering

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU-560049

2022-2023

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Basavanpura, Virgonagar, Post, K.R.Puram, Bengaluru, Karnataka 560049

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify the internship work entitled **"EMPLOYEE SOURCE MANAGMENT"** has been successfully carried out by **Mr. Aadarsh Thakur (1SP21SCS01),** of 3rd semester in partial fulfilment for the award of **Master of Technology in Computer Science and Engineering** of the **Visvesvaraya Technological University,Belgaum** during the year **2023**.The internship report has been approved as it satisfied the academic requirement in respect of the internship work prescribed for Master of Technology.

Signature of Guide	Signature of HOD	Signature of Principal
Asst. Prof. B.L. Jayakumar	**Dr. B. Loganayagi**	**Dr. B. Venkata Narayana**

Signature of Internal Examiner

Signature of External Examiner

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A Mini Project report on

"TRANSPORT MANAGEMENT SYSTEM"

Submitted in partial fulfilment of the requirement for the award of the degree of

MASTER OF TECHNOLOGY

in

Computer Science and Engineering

Submitted by

AADARSH THAKUR (1SP21SCS01)

Under the Guidance of

Asst. Prof. B.L. JAYAKUMAR

Dept. of CSE

Department of Computer Science and Engineering
S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY
BANGALORE – 49

2021-22

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU - 560049

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering

CERTIFICATE

This is to certify that mini project report entitle "**TRANSPORT MANANGEMENT SYSTEM**" has been successfully carried out by **Mr. Aadarsh Thakur (1SP21SCS01)** in partial fulfilment of **third semester Master of Technology** mini project presentation in the branch of Computer Science and Engineering, Visvesvaraya Technological University, Belgaum during the year **2021 - 2022**. It is certified that all corrections /suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The seminar report has been approved as it satisfied the academic requirements in respect of seminar work prescribed for **Master of Technology**

.....	.....	.....
Signature of the Coordinator	Signature of HOD	Signature of Principal
Asst. Prof. B.L. Jayakumar	**Dr. B. Loganayagi**	**Dr. B. Venkata Narayana**

S.E.A. COLLEGE OF ENGINEERING AND TECNOLOGY

BENGALURU – 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to Certified that the project work entitled **"AN EFFICIENT VLSI DESIGN OF PIPELINED FLOATING POINT MAC FOR PROCESSORS"** carried out by **Mrs. BHAVYA S**, USN:**1SP21LVS01,** bonafide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Master of Technology** in **VLSI Design and Embedded Systems**, Visvesvaraya Technological University, Belgavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Dr. Pradeep Kumar. N.S	Dr. Pradeep Kumar. N.S	Dr. B Venkata Narayana
Guide	Head of Department	Principal

External Examiners

1. Dr Pradeep Kumar N.S
2. Dr. Ramesh

Signature with date

05/10/23

05/10/23

S.E.A. COLLEGE OF ENGINEERING AND TECNOLOGY

BENGALURU – 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Project work entitled **"DESIGN AND ANALYSIS OF RISC V PROCESSOR"** carried out by **Mr. GOVARDHANAREDDY KARNATI,** USN: **1SP21LVS02,** bona fide student of S.E.A. College of Engineering and Technology, in partial fulfillment for the award of **Master of Technology** in **VLSI Design and Embedded Systems**, Visvesvaraya Technological University, Belgavi during the year 2022-23. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Dr. Pradeep Kumar. N.S	Dr. Pradeep Kumar. N.S	Dr. B Venkata Narayana
Guide	Head of Department	Principal

External Examiners

1. Dr. Pradeep kumar N.S.
2. Dr. Rajesh

Signature with date

23/09/23

25/09/23

REG NO:AAN8688

PraLoTech

PraLoTech Solutions LLP

PraLotech Solutions Certifies

GOVARDHANAREDDY KARNATI [1SP21LVS02]

for successfully attending Internship Programme Conducted from

21st OCTOBER 2022 to 26th NOVEMBER 2022.

We take the pleasure in recognizing the achievement

with the award of

"Internship Certificate"

In

"EMBEDDED SYSTEMS WITH IOT "

given on the 7th day of **DECEMBER 2022.**

PraLoTech Solutions LLP
#1, Silicon Plaza, Near Usha Dental Clinic, Subhash Nagar, K R Pura, Bangalore-560049

Project Manager

PraLoTech Solutions LLP

REG NO:AAN8688

PraLoTech

PraLoTech Solutions LLP

PraLotech Solutions Certifies

BHAVYA S [1SP21LVS01]

for successfully attending Internship Programme Conducted from

21st OCTOBER 2022 to 26th NOVEMBER 2022.

We take the pleasure in recognizing the achievement

with the award of

"Internship Certificate"

In

"EMBEDDED SYSTEMS WITH IOT "

given on the 7th day of **DECEMBER 2022.**

AICTE

PraLoTech Solutions LLP
#1, Silicon Plaza, Near Usha
Dental Clinic, Subhash Nagar.
K R Pura, Bangalore-560049

Project Manager

PraLoTech Solutions LLP

S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

BENGALURU – 560049

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Project work entitled **"PHYSICAL DESIGN OF I2C DMA CONTROLLER USING EDA TOOL" carried out by** MANOHAR Y S (1SP12LDN08) Bonafide student of S.E.A. College of Engineering and Technology, in partial fulfilment for the award of **Master of Technology** in **Digital communication and Networking** Visvesvaraya Technological University, Belagavi during the year 2022-23 It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements on prescribed for the said degree.

.....	.....	.....
Internal Guide	**Head of the Department**	**Dr. B Venkata Narayana**
Dr. Pradeep Kumar N S Professor,	**Dr Pradeep Kumar N S**	**Principal**
Dept. of ECE.	**Professor & HOD**	**SEACET**
SEACET.	**Dept. of ECE.**	
	SEACET.	

External Viva

Name of the Examiners	**Signature with date**
1. Dr. Rajesh	17/11/23
2. Dr. Pradeep kumar N.S	17/11/23