DEPARTMENT OF ISE

Academic Year : 2021-22

Semester/ Section : IV A & B
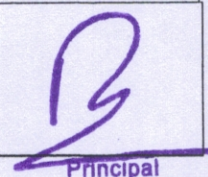
Consolidated List of Mini Projects

Batch No.	USN	Name of the Student	Mini Project Title
B1	1SG20IS007	Akash Kurara	Voting System
	1SG20IS018	Bhoomika B N	
	1SG20IS029	Divya B N	
	1SG20IS034	Hanshika Vijeta	
	1SG20IS039	Hitha R Shetty	
	1SG20IS057	Nikhil Jingade	
B2	1SG20IS036	Harshith M P	The 2048 Game
	1SG20IS037	Hemanth B C	
	1SG20IS045	Kruthagna G	
	1SG20IS040	Jeevitha Hegde	
	1SG20IS014	Bazgha Dastagir	
B3	1SG20IS021	Chandan R	Login and Registration Page
	1SG20IS027	Dhanush V.R	
	1SG20IS049	Ganesh R	
	1SG20IS038	Hemanth Gowda	
	1SG20IS033	Lohith Reddy	
B4	1SG20IS031	Gagan S Aditya	Library Management System
B5	1SG20IS025	Deeksha S	Student Management System
	1SG20IS041	K M Sumukh Kashyap	
	1SG20IS047	Lakshmitha N.R.	
	1SG20IS055	Navaneeth	
	1SG20IS056	Neha K	
B6	1SG20IS015	Bharathi D.	Railway Reservation System
	1SG20IS016	Bhavya G.	
	1SG20IS020	Chaitrashree C.	
	1SG20IS058	Niranjana Suresh	
B7	1SG20IS005	Aishwarya.	Building & attractive website for a local business using HTML & CSS
	1SG20IS011	Ankitha M.S	
	1SG20IS019	Chaithra S	
B8	1SG20IS006	Aishwarya L	The Quiz Game
	1SG20IS026	Devika V. Nayak	
	1SG20IS061	Nisha Shetty	
	1SG20IS071	Pydipalla Rashmi	
	1SG20IS080	Sathvika K	

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DEPARTMENT OF ISE

Batch No.	USN	Name of the Student	Mini Project Title
B9	1SG20IS054	Namratha	Taj Mahal
	1SG20IS060	Nischitha S.M	
	1SG20IS053	Nagaveni R	
	1SG20IS043	Karthi Rodgai	
	1SG20IS044	Keerthan Kumar	
B10	1SG20IS001	Adharsh C.	Bank Management System
	1SG20IS013	B S Vinya Krishna	
	1SG20IS046	Kruthika K.P	
	1SG20IS063	Nithin S R	
B11	1SG20IS004	Adithya Praksah Mishra	Weather App
	1SG20IS008	Animesh Dwivedi	
	1SG20IS010	Ankitha Hatwar K.K.	
	1SG20IS028	Disha S	
	1SG20IS048	Lavkesh Prasad	
B12	1SG20IS035	Hardik Singh	Speech to text converter
	1SG20IS003	Adithya Kumar Gupta	
	1SG20IS012	Apurva Anand	
	1SG20IS023	Chirag Tilwani	
	1SG20IS017	Bhisham Narayan Pandey	
B13	1SG20IS085	Shreyas A P	Bitflix
	1SG20IS096	Suhas S	
	1SG20IS105	Utkarsh Kumar	
	1SG20IS110	Vasista D	
	1SG20IS113	Vipin Kumar Yadav	
B14	1SG20IS069	Praveen N Hegde	Encryption & Decryption on Circular Queue
	1SG20IS073	Rahul Adithya	
	1SG20IS074	Raksha	
	1SG20IS084	Shreerksha Ganesh Naik	
	1SG20IS100	Suryansh Srivatsava	
B15	1SG20IS081	Shalini H	Restaurant Billing System
	1SG20IS088	Shwetha V J	
	1SG20IS089	Shwetha M	
	1SG20IS097	Sukeerthi Reddy	
	1SG20IS099	Supriya N R	
B16	1SG20IS070	Preethi Galagali	Food Court Billing System
	1SG20IS091	Sinchana	
	1SG20IS094	Srushti Basavareddy	
	1SG20IS106	Vaishnavi U	
	1SG20IS107	Vandana A	
B17	1SG20IS090	Shyam G	Digital Voting System
	1SG20IS095	Sudhash R	
	1SG20IS102	Thanush T D	
	1SG20IS103	Tharun S Petkar	

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Batch No.	USN	Name of the Student	Mini Project Title
B18	1SG20IS032	Ganavi J	Tour & Travel Management
	1SG20IS065	Pallvi V B	
	1SG20IS086	Shruthi Jaiswal	
	1SG20IS109	Varshitha Y B	
	1SG20IS116	Yashaswini B N	
	1SG20IS117	Yashaswini M Kori	
B19	1SG20IS078	Safiya Bi	Temperature Convertor
	1SG20IS092	Smitha S V	
	1SG20IS093	Sneha E	
	1SG20IS098	Supriya B	
	1SG20IS108	Varshitha S	
B20	1SG20IS076	Ruthwik D J	Hotel Management system
B21	1SG20IS066	Pavan R	Bank Management system
	1SG20IS068	Prashanth L	
	1SG20IS111	Venkatesh K	
	1SG20IS112	Venu M	
	1SG20IS115	Vivek C	
B22	1SG20IS082	Sharanya N S	Aadhaar Card Registration
	1SG20IS118	Yuktha R	
	1SG21IS400	Bhavya H V	
B23	1SG20IS072	R S Rahul	Home Automation
	1SG20IS077	Sachin K N	
	1SG20IS022	Chetan S	
	1SG20IS114	Vishal Patil	
	1SG20IS051	Manjunath	
	1SG20IS114	Vishal	
	1SG20IS042	Raghu K	

Faculty Incharge

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HOD
Dr H.R Ranganatna
Prof. & H.O.D
Dept. of Information Science & Engg
Sapthagiri College of Engineering
14/5 Chikkasandra, Hesaraghatta Main Road
BENGALURU-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING
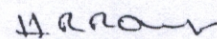# DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

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Certificate

This is to Certify that the Mini-Project work entitled **"Voting system"** is a Bonafede work carried out by **AKASH KURARA(1SG20IS006), BHOOMIKA B N (1SG20IS018), DIVYA B N(1SG20IS029), HANSHIKA VIJETA (1SG20IS034) , HITHA R SHETTY (1SG20IS039), NIKHIL JINGADE (1SG20IS057)**, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of mini-Project work prescribed for the Bachelor of Engineering Degree.

(Dr. H R Ranganatha)
Prof&HOD

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B1

B1

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Certificate

Certified that the Mini-Project work entitled **"THE 2048 GAME "** is a work carried out by **BAZGHA DASTAGIR (1SG20IS014) , HARSHITH M P (1SG20IS036), HEMANTH B C (1SG20IS037), JEEVITHA J HEGDE (1SG20IS040) , KRUTHAGNA G (1SG20IS045)** bonafide students of 3rd semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment for the award of the degree of **Bachelor of Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Signature of the Guide	**Signature of the HOD**
Prof. Prerana Chaithra	**Dr. H. R. Ranganatha**
Associate Professor	Professor & Head

Principal
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Bengaluru - 560 057
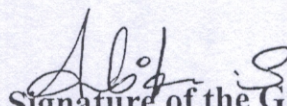
B2

B2

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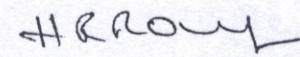#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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CERTIFICATE

Certified that the Mini Project work entitled **"Login and registration page"** carried out by **Chandan R(1SG20IS021), Dhanush V R(1SG20IS027),Ganesh R(1SG20IS033), HemanthGowdaM(1SG20IS038),LohithReddy V K(1SG20IS049),**bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

Principal
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B3

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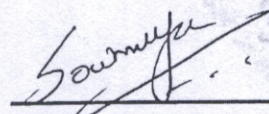
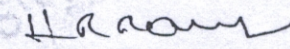14/5,Chikkasandra,Hesaragatta Main Road, Bengaluru-560107

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This is to Certify that the Mini-Project work entitled **"LIBRARY MANAGEMENT SYSTEM"** is a bonafide work carried out by **GAGAN S ADITYA, 1SG20IS031**, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

(Prof. Gayathri.R)
Guide

(Dr. H.R.Ranganatha)
HOD

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CERTIFICATE

This is to Certify that the DBMS Mini-Project work entitled **STUDENT MANAGEMENT SYSTEM** carried out by **Ms.Deeksha S(1SG20IS025), Mr.KM Sumukh Kashyap K (1SG20IS041), Ms.Lakshmitha NR(1SG20IS047),Mr.Navneet K (1SG20IS055),Ms.Neha K (1SG20IS056) bonafide** students of 4th semester, department of **Information Science & Engineering** carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

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B5

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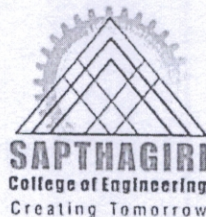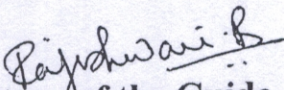14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

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This is to certify that the Mini-Project work entitled **"RAILWAY RESERVATION SYSTEM"** is a bonafide work carried out by **BHARATHI D (1SG20IS015), BHAVYA G (1SG20IS016), CHAITRAASHREE C (1SG20IS020)** and **NIRANJANA SURESH (1SG20IS058)** in partial fulfillment for the award of the degree of Bachelor of **Engineering in Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

(Prof.Sowmya Somanath)
Guide

(Dr. H.R. Ranganatha)
HOD

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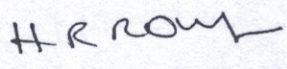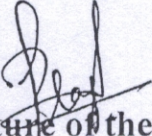#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Department of Information Science & Engineering

CERTIFICATE

Certified that the Mini Project work entitled Building and attractive website for a local business using HTML AND CSS carried out by **AISHWARYA (1SG20IS005)** , **ANKITHA.MS (1SG20IS011), CHAITHRA.S (1SG20IS019)** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

B7

Department of Information Science & Engineering

CERTIFICATE

This is to Certify that the Mini-Project work entitled "THE QUIZ GAME" is a bonafide work carried out by **Aishwarya L-(1SG20IS006),Devika V Nayak-(1SG20IS026), Nisha Shetty-(1SG20IS061),Pydipalla Rashmi-(1SG20IS071), Satvika K-(1SG20IS080)** in partial fulfillment for the award of the degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

(Prof. Chaitanya V)
Guide

(Dr. H.R. Ranganatha)
HOD

B8

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College of Engineering
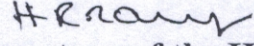Creating Tomorrow

Department of Information Science & Engineering

CERTIFICATE

Certified that the Mini Project work entitled **Taj Mahal** carried out by **Ms. Namratha H (1SG20IS054), Ms. Nischitha S M (1SG20IS060), Ms. Nagaveni R (1SG20IS053), Mr. Karthi V Rodagai (1SG20IS043) and Mr. Keerthan Kumar Nayak (1SG20IS044)**

bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

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CERTIFICATE

Certified that the Mini Project work entitled **"BANK MANAGEMENT SYSTEM"**
carried out by **Mr. ADARSH C (1SG18IS001), Mr. B S VINAY KRISHNA
(1SG18IS013), Ms. KRUTHIKA K P (1SG18IS046) and Mr. NITHIN SEERAPPA R**

(1SG18IS063), bonafide students of 4th semester, Department of Information Science &
Engineering was carried out at our college **Sapthagiri College of Engineering,**
Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in
Information Science & Engineering of the **Visvesvaraya Technological University,**
Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated
for Final Assessment have been incorporated in the Report deposited in the departmental
library. The project report has been approved as it satisfies the academic requirements in
respect of Project work prescribed for the said Degree.

Roopa K T

(Prof. Roopa K T)
Guide

H.R.a.

(Dr. H.R. Ranganatha)
HOD

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Sapthagiri College of Engineering
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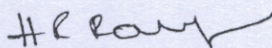Bengaluru - 560 057

B10

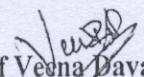# DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
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Certificate

This is to Certify that the Mini-Project work entitled "Weather App" is a bonafide work carried out by ADITYA PRAKASH MISHRA(1SG20IS004), ANIMESH DWIVEDI(1SG20IS008),ANKITHA HATWAR(1SG20IS010),DISHA S (1SG20IS028), LAVKESH PRASAD(1SG20IS048), in partial fulfillment for the award of the degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.
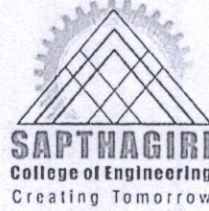
Dr. H.R. Ranganatha,
Head of the Department

Prof Veena Davalagi
Guide

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Department of Computer Science and Engineering

Certificate

Certified that the Mini Project Work entitled "SPEECH-TO-TEXT CONVERTER" carried out by Hardik Singh (1SG20IS035), Aditya K. Gupta (1SG20IS003), Apurva Anand (1SG20IS012), Chirag Tilwani (1SG20IS023) & Bhishma N. Pandey(1SG20IS017) bona fide students of Sapthagiri College of Engineering, in partial fulfilment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project prescribed for the said Degree.

Signature of the Guide
Prof. Anil Kumar
Assistant Professor

Signature of the HOD
Dr. H.R. Ranganatha
Professor & HOD

Principal
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Certificate

This is to Certify that the Mini-Project work entitled "BITFLIX" is a bonafide work carried out by **SHREYAS A P (1SG20IS085), SUHAS S (1SG20IS096), UTKARSH KUMAR(1SG20IS105), VASISTA D BHAT (1SG20IS110), VIPIN KUMAR YADAV(1SG20IS113),** partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Prof . Chandani A
Guide

Dr. H.R Ranganatha
HOD

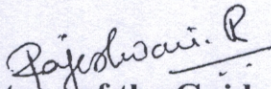# SAPTHAGIRI COLLEGE OF ENGINEERING

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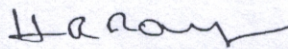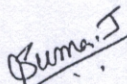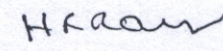#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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Certified that the Mini Project work entitled **Encryption And Decryption on Circular Queue** carried out by **Mr. Praveen Narayan Hegde (1SG20IS069), Mr. Rahul Adithya Bm (1SG20IS073), Ms.** Raksha **(1SG20IS074) and Ms. Shreeraksha Ganesh Naik (1SG20IS084), Mr. Suryansh Srivastava (1SG20IS100)** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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Certified that the Mini Project work entitled **"Restaurant Billing System"** carried out by **Ms.Shalini.H(1SG20IS081),Ms.Shweta.V.J(1SG20IS088),Ms.Shwetha.M(1SG20IS089),Ms.Sukeerthi Reddy K(1SG20IS097),Ms.Supriya.N.R(1SG20IS099),** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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Certified that the Mini Project work entitled **Food Court Billing System** carried out by **Ms. Preeti Galagali (1SG20IS070), Ms. Sinchana G (1SG20IS091), Ms. Srushti Basavaraddi (1SG20IS094), Ms. Vaishnavi U (1SG20IS106), and Ms. Vandana A (1SG20IS107)** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering,** Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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This is to Certify that the Mini-Project work entitled **"Digital Voting System"** is a bonafide work carried out by SHYAM.G(1SG20IS090), SUDHASH.R(1SG20IS095),THANUSH.T.D(1SG20IS102),THARUN.S(1SG20IS103) in partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.
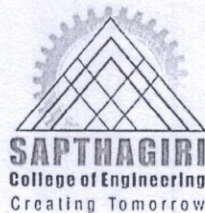
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(Dr. H.R. Ranganatha)
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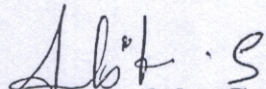Department of ISE,SCE

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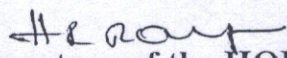#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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Certified that the Mini Project work entitled **"Tour and Travel Management"** carried out by **Ganavi J(ISG20IS032),Pallavi V B(ISG20IS065),Shruti Jaiswal(ISG20IS086),Varshitha Y B(ISG20IS109),Yashaswini B N(ISG20IS116),Yashaswini M Kori(ISG20IS117)**bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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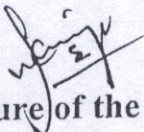
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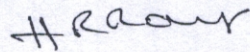#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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Certified that the Mini Project work entitled **Temperature Convertor** carried out by **Ms. Safiya Bi (1SG20IS078), Ms. Smitha S V (1SG20IS092), Ms. Sneha E (1SG20IS093) Ms. Supriya B (1SG20IS098), and Ms.Varshitha S (1SG20IS108)** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering** in **Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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This is to Certify that the Mini-Project work entitled **"HOTEL MANAGEMENT SYSTEM"** is a bonafide work carried out by **RUTHWIK.D.J , 1SG20IS076**, in partial fulfilment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

(Prof.Priyanka.M.R)

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(Dr. H.R.Ranganatha)

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Roopa K T
(Prof. Roopa K T)
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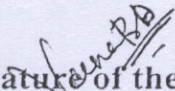
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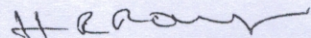#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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Certified that the Mini Project work entitled AADHAAR CARD REGISTRATION carried out by **SHARANYA N S , 1SG20IS082, YUKTHA R , 1SG20IS118** and **BHAVYA H V, 1SG21IS400, ,** bonafide students of 4th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University,** Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

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This is to Certify that the Mini-Project work entitled **"HOME AUTOMATION "** is a bonafide work carried out by **CHETHAN S (1SG20IS022) , R S RAHUL(1SG20IS072), SACHIN K N (1SG20IS077), MANJUNATH (1SG20IS051) , VISHAL (1SG20IS0114), RAGHU K(1SG20IS042)** in partial fulfillment for the award of the degree of **Bachelor of Engineering** in **Information Science and Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Prof. Rajeshwari
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Dr.H.R.RANGANATHA
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