

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING B.E END SEMESTER PRACTICAL EXAMINATIONS - APRIL 2024

Lab Code : CS1821 Class/Semester : IV CSE A / VIII

Lab Name: Project Work

	PROJECT LIST						
TEAM NO	ROLL NO	NAME	PROJECT TITLE	GUIDE			
	20UCS085	VENKATESH S	DROWGER RAGER ORVERS GURDENGU	Ms. B. Santhi Priya			
Al	20UCS064	NITHISH S	BROWSER BASED CRYPTO CURRENCY MINING IN MUSIC STREAMING WEBSITE				
	20UCS081	PRASANTII S	MINING IN MUSIC STREAMING WEBSITE				
	20UCS060	SAHANARINI S		Dr. G. Uma Maheswari			
A2	20UCS056	SAKTHI PONHINI P	INTRUSION DETECTION SYSTEM				
	20UCS068	SIVAPRIYA M					
	20UCS058	R.BHARATHKANTH		Ms. R. Indhuja			
A3	20UCS006	S RAJA GANESH	BRAIN TUMOR SEGMENTATION USING	-			
	20UCS092	S.DHAMOTHARAN		-			
	20UCS071	GANAPATHY RAMAN S	LOCAL INSIGHT: A DYNAMIC	Dr. A. Anandh			
A4	20UCS075	HARISH M	NEWS FEED HUB				
	20UCS038	YOGESH R		<u>*</u>			
	20UCS098	SWETHA B	WEED REMOVER USING MACHINE	Ms. S. Hemaswathy			
A5	20UCS074	SUBALAKSIIMI V	LEARNING				
	20UCS028	ROHINI N					
A6	20UCS013	UMA DHARSHINI. RG	CORROSION DETECTION USING MACHINE	Dr. Kumaran			
710	20UCS049	SANTHIYA DEVI. M	LEARNING				
	20UCS086	SOUNDARYALAKSHMI.B		Dr. R. Muthuselvi			
A7	20UCS072	KALA PAVITHRA.M	COLLEGE QUERY RESOLVING CHATBOT				
	20UCS046	DEEPIKA LAKSHMI.B					
	20UCS003	MARIAMMAL D		Dr. A. Meenakshi			
A8	20UCS010	BAVA DHARANI B	VOICE-VISTA	2			
	20UCS061	LATHA K					

TEAM NO	ROLL NO	NAME	PROJECT TITLE	GUIDE	
1	20UCS021	SIVARANJANI .P		Ms. K. Muthulakshmi	
NO A9 A10 A11	20UCS063	KAAVIYA.M	ENHANCING IOT SECURITY USING SDN		
	20UCS047	KALEESWARI.D			
	20UCS099	KATHISH R		Mr. M. Rajasekaran	
A10	20UCS030	MADHUBALAN S	QR DINE HUB		
	20UCS031	YUVAGURURAJAN A			
	20UCS069	SOORYA. R	HEALTHCARE MONITORING SYSTEM FOR	Ms. X. Ignatius Selvarani	
NO       A9       A10       A11       A12       A13       A14       A15       A16	20UCS094	ABDUL AJIS M	PARALYSIS PATIENT		
	20UCS091	AHAMED ADHIL.M	THORE I DIG TATILITY		
	20UCS097	MUTHUSELVAM.M	STRESS POSTS DETECTION FROM SOCIAL	Ms. J. Lavanya	
A12	20UCS040	DHAYALAN.R.J	MEDIA DATA STREAMS		
	20UCS039	SABARIKANTH			
	20UCS029	NATHEESH A		Mr. D. Asir	
A13	20UCS025	SHAKEEL AHMED A	DEFENDING DROIDS		
	20UCS103	MANOJ K			
	20UCS053	NAVIN SURYA K	MONITORING OF VEHICLE WASH	Dr. G. Mahalakshmi	
A9 A10 A11 A12 A13 A14 A15 A16	20UCS052	SELVA SATHEESH J	MANAGEMENT SYSTEM WITH VIDEO		
	20UCS024	HARIKRISHNA M	CAPTURING OPTION		
	20UCS082	BASIL TAMIL SELVAN E	AUTOMATIC HEALTH ASSESSMENT	Mr. V. Rajesh Kannan	
A15	20UCS109	SURIYA V	USING RADIOLOGY IMAGING		
	20UCS111	GAJENDHRAN R		-	
	20UCS004	SIVA SANKAR K		Ms. V. Sangeetha	
A16	20UCS001	PALANI SANKARA NARAYANAN	FOOTSTEP ELECTRICITY GENERATION		
	20UCS044	SURYA KUMAR C			
	20UCS055	TAMILARASAN S		Ms. K. Leelarani	
A17	20UCS007	HENRY JEBHA J	A FAST REROUTE METHOD		
	20UCS017	VARUN B			

S. Jong. Project Co-ordinator S. JANVANI, A.P. CSE

HOD-CSE

# BROWSER BASED CRYPTOCURRENCY MINING ON MUSIC STREAMING WEBSITE

#### A PROJECT REPORT

#### (CS1721 & CAPSTONE PROJECT)

Submitted by

NITHISH S (920420UCS064) VENKATESH S (920420UCS085) PRASANTH S (920420UCS081)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### BONAFIDE CERTIFICATE

Certified that the project report "BROWSER BASED CRYPTOCURRENCY

MINING ON MUSIC STREAMING WEBSITE" is the bonafide work of "S.NITHISH (920420UCS064) & S.PRASANTH (920420UCS081) & S.VENKATESH (920420UCS085)" who carried out the project work under my supervision.

0) DIN

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

p. fr. 14

SIGNATURE Mrs. B. Santhi Priya, M.E., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

thoj-2/11/23

EXTERNAL EXAMINER

F.16.1

# **PROGRESSIVE INTRUSION DETECTION SYSTEM**

# A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

### SAKTHI PONHINI P (920420UCS056)

SAHANARINI S (920420UCS060)

# SIVAPRIYA M (920420UCS068)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

# COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "PROGRESSIVE INTRUSION DETECTION SYSTEM" is the bonafide work of "P.SAKTHI PONHINI(920420UCS056), S.SAHANARINI(920420UCS060) , M.SIVAPRIYA(920420UCS069)" who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

h 22/11/23 SIGNATURE

Dr. G. Uma Maheshwari, M.E.,Ph.D Supervisor, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

J. Jan 11/23

INTERNAL EXAMINER

thoj 2711/23

EXTERNAL EXAMINER

# **BRAIN TUMOR SEGMENTATION USING CNN**

#### A PROJECT REPORT

### (CS1721 & CAPSTONE PROJECT)

Submitted by

RAJA GANESH S (920420UCS006)

BHARATHKANTH R (920420UCS058)

DHAMOTHARAN S (920420UCS092)

In partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### **BONAFIDE CERTIFICATE**

Certified that the project report "BRAIN TUMOR SEGMENTATION USING CNN" is the bonafide work of "S.RAJA GANESH (920420UCS006), R.BHARATHKANTH (920420UCS058) & S.DHAMOTHARAN (920420UCS092)" who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

SIGNATURE Mrs.R.Indhuja, M.E., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

EXTERNAL EXAMINER

# AUTOMATED FOOD NUTRITION PREDICTION

# USING DEEP LEARNING AND ASSOCIATION RULES

A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

HARISH M (920420UCS075) YOGESH R (920420UCS038) GANAPATHY RAMAN S (920420UCS071)

In partial fulfilment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE AND ENGINEERING**



#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution – Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR – 626001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "AUTOMATED FOOD NUTRITION PREDICTION USING DEEP LEARNING AND ASSOCIATION RULES" is the bonafide work of "HARISH M (20UCS075), YOGESH R (20UCS038) and GANAPATHY RAMAN S (20UCS071)" who carried out the project work under my supervision.

SIGNATURE

Dr.A.Meenakshi, ME., Ph.D, HEAD OF THE DEPARTMENT, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. and Tech, K.Vellakulam, Virudhunagar – 626001.

INTERNAL EXAMINER

SIGNATURE

Dr.A.Anandh, M.E.,MBA.,Ph.D, SUPERVISOR, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. and Tech, K.Vellakulam, Virudhunagar – 626001.

**EXTERNAL EXAMINER** 

### WEED REMOVER USING MACHINE LEARNING

A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

SWETHA B (920420UCS098)

#### SUBALAKSHMI V (920420UCS074)

ROHINI N (920420UCS028)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### **BONAFIDE CERTIFICATE**

Certified that the project report "WEED REMOVER USING MACHINE LEARNING" is the bonafide work of "B. SWETHA (920420UCS098), V. SUBALAKSHMI (920420UCS074) and N. ROHINI (920420UCS028)" who carried out the project work under my supervision.

SIGNATURE

Dr. A. Meenakshi, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

**INTERNAL EXAMINER** 

SIGNATURE

Mrs. S. Hemaswathi, M.E., (Ph.D), SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

EXTERNAL EXAMINER

# METAL CORROSION DETECTION USING MACHINE LEARNING

**A PROJECT REPORT** 

(CS1721 & CAPSTONE PROJECT)

Submitted by

# UMA DHARSHINI RG (920420UCS013)

### SANTHIYA DEVI (920420UCS049)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 601

**NOVEMBER 2023** 

F.16.1

#### **BONAFIDE CERTIFICATE**

Certified that the project report "METAL CORROSION DETECTION USING MACHINE LEARNING" is the bonafide work of "UMA DHARSHINI RG(920420UCS013) and SANTHIYA DEVI M(920420UCS049) "who carried out the project work under my supervision.

SIGNATURE Dr . A. Meenakshi, Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER



Dr . U. Kumaran, SUPERVISOR, Associate Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

**EXTERNAL EXAMINER** 

F.16.1

### **COLLEGE QUERY RESOLVING CHATBOT**

A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

DEEPIKA LAKSHMI B (920420UCS046) KALA PAVITHRA K M (920420UCS072) SOUNDARYALAKSHMI B (920420UCS086)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "COLLEGE QUERY RESOLVING CHATBOT" is the bonafide work of "B.DEEPIKA LAKSHMI (920420UCS046), K.M.KALA PAVITHRA (920420UCS072) & B.SOUNDARYALAKSHMI (920420UCS086)" who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

k. Muchanishi and SIGNATURE 21/11/23 DR. R. Muthuselvi, M.E., Ph.D., Supervisor, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

EXTERNAL EXAMINER

F.16.1

### **VOICE VISTA**

#### A PROJECT REPORT

### (CS1721 & CAPSTONE PROJECT)

Submitted by

# MARIAMMAL D (920420UCS003)

# BAVA DHARANI B (920420UCS010)

### LATHA K (920420UCS061)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "VOICE-VISTA" is the bonafide work of "MARIAMMAL D (920420UCS003), BAVA DHARANI B (920420UCS010), LATHA K (920420UCS061)" who carried out the project work under my supervision.

Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 626 001.

Dr. A. Meenakshi, M.E., Ph. D., Supervisor, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 626 001.

C. Jul 123

#### **INTERNAL EXAMINER**

EXTERNAL EXAMINER

# ENHANCING IOT SECURITY USING SDN

Aq

A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

# SIVARANJANI P (920420UCS021)

# KALEESWARI D (920420UCS047)

KAAVIYA M (920420UCS063)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "ENHANCING IOT SECURITY USING SDN" is the bonafide work of "SIVARANJANI. P(920420UCS021), KALEESWARI. D (920420UCS047) and KAAVIYA. M (920420UCS063)" who carried out the project work under my supervision.

22/11/2023

SIGNATURÉ Dr. A. Meenakshi, Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

#### INTERNAL EXAMINER

K. Muli

SIGNATURE Mrs. K. Muthulakshmi, SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

Moj 22/11/23

EXTERNAL EXAMINER

F.16.1

# HEALTH CARE MONTORING SYSTEM FOR PARALYSIS PATIENT

A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

SOORYA. R 920420UCS069) M. AHAMED ADHL (920420UCS091) M. ABDUL AJIS (920420UCS094)

In partial fulfillment of the award of the degree of

**BACHELOR OF ENGINEERING IN** 

#### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai), K.VELLAKULAM, VIRUDHUNAGAR - 626 001

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

### (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### **BONAFIDE CERTIFICATE**

Certified that the project report "HEALTH CARE MONTORING SYSTEM FOR

PARALYSIS PATIENT" is the bonafide work of "SOORYA.R (920420UCS069),

M.AHAMED ADHL (920420UCS091), M.ABDUL AJIS (920420UCS094)" who

carried out the project work under my supervision.

02/11/2023

Dr. A. Meenakshi, M.E., Ph. D. HEAD OF THE DEPARTMENT

Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech K.Vellakulam, Virudhunagar - 626 001.

Mrs. Ignatius Selvarani., M.E., SUPERVISOR

Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

Those

EXTERNAL EXAMINER

### **QR DINE HUB APP USING DJANGO**

#### A PROJECT REPORT

#### (CS1721 & CAPSTONE PROJECT)

Submitted by

### KATHISH R (920420UCS099)

### MADHUBALAN S (920420UCS030)

#### YUVAGURURAJAN A (920420UCS031)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### **BONAFIDE CERTIFICATE**

Certified that the project report "QR DINE HUB APP USING DJANGO" is the bonafide work of "R.KATHISH (920420UCS099) & S.MADHUBALAN (920420UCS030) & A.YUVAGURURAJAN (920420UCS031)" who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

5. 202 11/23

INTERNAL EXAMINER

SIGNATURE Mr.M.Rajasekaran,M.E., Supervisor, Assistant Professor Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

EXTERNAL EXAMINER

### SUICIDAL-POSTS IDENTIFICATION FROM TWITTER DATA STREAMS

### A PROJECT REPORT (CS1721 & CAPSTONE PROJECT)

Submitted by

A. SABARIKANTH (920420UCS039) R. J. DHAYALAN (920420UCS040) M. MUTHUSELVAM (920420UCS097)

In partial fulfillment of the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai), K.VELLAKULAM, VIRUDHUNAGAR - 626 001

NOVEMBER 2023

1

#### **BONAFIDE CERTIFICATE**

Certified that the project report "SUICIDAL-POSTS IDENTIFICATION FROM TWITTER DATA STREAMS" is the bonafide work of "A.SABARIKANTH (920420UCS039), R.J.DHAYALAN (920420UCS040), M.MUTHUSELVAM (920420UCS097)" who carried out the project work

under my supervision.

ong

Dr. A. Meenakshi, M.E., Ph. D. Head of the Department,

Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech K.Vellakulam, Virudhunagar - 626 001.

J. LAVANYA, M.Tech.,

Supervisor,

Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech K.Vellakulam, Virudhunagar - 626 001.

**Internal Examiner** 

**External Examiner** 

### TOUCH DEMOCRACY

### A PROJECT REPORT

Submitted by

SHAKEEL AHMED A(920420UCS025)

NATHEESH A(920420UCS029)

MANOJ K(920420UCS103)

In partial fulfillment for the award of the degree of

### BACHELOR OF ENGINEERING IN

#### **COMPUTER SCIENCE AND ENGINEERING**





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERINGKAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennai)

K. VELLAKULAM, VIRUDHUNAGAR - 626 001

#### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

K. VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "TOUCH DEMOCRACY" is the bonafide work of "SHAKEEL AHMED A(920420UCS025), NATHEESH A (920420UCS029), MANOJ K (920420UCS103)" who carried out the project work under my supervision.

Ne

Dr. A. Meenakshi, M.E,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar -626001.

**INTERNAL EXAMINER** 

Mr. D. Asir A. Tech., Supervisor, Assistant professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar -626 001.

EXTERNAL EXAMINER

# AUTOMATED KIDNEY HEALTH ASSESSMENT FROM RADIOLOGY IMAGING

A PROJECT REPORT CS1721 CAPSTONE PROJECT Submitted by

#### BASIL TAMIL SELVAN E (920420UCS082)

SURIYA V (920420UCS109)

GAJENDRAN R (920420UCS111)

In partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### **BONAFIDE CERTIFICATE**

Certified that the project report "AUTOMATED KIDNEY HEALTH ASSESSMENT FROM RADIOLOGY IMAGING" is the bonafide work of "BASIL TAMIL SELVAN E (920420UCS082), SURIYA V (920420UCS109) & GAJENDRAN R (920420UCS111)" who carried out the project work under my supervision.

SIGNATURE Dr.A.Meenakshi Phd., Head of the Department Professor and HOD Dept. of CSE Kamaraj College of Engg & Tech K.Vellakulam Virudhunagar - 626 001

Mr.V.Rajesh Kannan M.E., SUPERVISOR Assistant Professor Dept. of CSE Kamaraj College of Engg & Tech K.Vellakulam Virudhunagar - 626 001

INTERNAL EXAMINER

EXTERNAL EXAMINER

# FOOTSTEP ELECTRICITY GENERATION

A PROJECT REPORT

(CS1721 & CAPSTONE PROJECT)

Submitted by

SURYAKUMAR C (920420UCS044)

PALANISANKARANARAYANAN.R (920420UCS001)

SIVASANKAR K (920420UCS004)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "FOOTSTEP ELECTRICITY GENERATION" is the bonafide work of "SURYAKUMAR C(920420UCS044), SIVASANKAR K (920420UCS004), PALANISANKARANARAYANAN R(920UCS001)" who carried out the project work under my supervision.

lowal

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

V. Committen

SIGNATURE Mrs. V.Sangeetha, M.Tech., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

EXTERNAL EXAMINER

### EASY CRACKERS USING WEB DEVELOPMENT

#### A PROJECT REPORT

(CS1721 & CAPSTONE PROJECT)

Submitted by

#### TAMILARASAN S (920420UCS055)

### HENRY JEBHA J (920420UCS007)

VARUN B (920420UCS017)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### BONAFIDE CERTIFICATE

Certified that the project report "EASY CRACKERS USING WEB of "S.TAMILARASAN DEVELOPMENT" is the bonafide work (920420UCS055) & J.HENRY JEBHA (920420UCS007)" & B.VARUN (920420UCS017) who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph.D Head of the Department, Professor. Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K Vellakulam. Virudhunagar - 626 001.

INTERNAL EXAMINER

K. WP

SIGNATURE Mrs. K. Leelarani, M.E SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

EXTERNAL EXAMINER



S.P.G.C. hidambara Nadar - C.Nagammal Campus S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### **B.E. SEM PRACTICAL EXAMINATIONS - APRIL 2024**

: Project Work

Lab Code :CS1821 Class/Semester : IV CSE / VIII

: 29.4.2024 FN - 9.30 AM to 12.30 PM AN - 12.45 PM - 03.45 PM

Venue : Conference Hall - I

#### VIVA SCHEDULE

S.no	Batch No	Reg.No	Roll no	Name	Title	Guide Name	Date
1	B1	920420UCS104	20UCS104	YASHWANT RAM.G.A	Safe Road Vision: Zero crashes	Mrs.S.Athilakshmi	29.4.2024-FN
2		920420UCS095	20UCS095	SARVASH.S.S			
3		920420UCS059	20UCS059	PRAVEEN.A			
4		920420UCS019	20UCS019	SREE PREETHI S.K	Chest Abnormality Detection	Mrs.Nithya	29.4.2024-FN
5	B2	920420UCS033	20UCS033	SREENIDHI R			
6	100	920420UCS090	20UCS090	DANIEL M	Fake News Detection	Dr.G.Nirmala	29.4.2024-FN
7	В3	920420UCS089	20UC\$089	SUBASH KUMAR M			
8		920420UCS077	20UCS077	NAVEEN ARYA K S			
9		920420UCS009	20UCS009	SRIMATHI S	Intravenous fluid controlling and monitoring system	Mrs.X.Ignatius Selvaran	29.4.2024-FN
10	B4	920420UCS101	20UCS101	KARPAGA MOUNIKA S			
11		920420UCS107	20UCS107	SUBIKSHA A			
12		920420UCS088	20UCS088	NITHISHKUMAR G R	AI Powered Automated Video Surveillance and Alarm System	Ms.S.Janani	29.4.2024-FN
	B5	920420UCS078	20UCS078	GANESHAN M			
13	55	920420UCS079	20UCS079	MALAIAPPAN SRIKANTH S			
15	В6	920420UCS073	20UCS073	MANICK JOE BEVAN A	Lip Reading AI Mrs.San		29.4.2024-FN
		920420UCS066	20UCS066	HARIKARAN M.S		Mrs.Sangeetha	
10		920420UCS020	20UCS020	AMBRISH K			

18	B7	920420UCS018	20UCS018	A.S.RAGUL	Empowering Video Summarization throug	Dr.R.Ramya	29.4.2024-FN
19		920420UCS015	20UCS015	SARAVANA BALAJI K			
20		920420UCS026	20UCS026	KANNAN T	1		
21	DØ	920420UCS008	20UCS008	SUBASH S		Mr.B.Muthukrishnavina	29.4.2024-FN
22	B8	920420UCS005	20UCS005	SUBASH CHANDRA PANDIA			
23		920420UCS032	20UCS032	U.GOWTHAM	Leaf Disease Detection using CNN Algor	Dr.R.Muthuselvi	29.4.2024-FN
24	B9	920420UCS043	20UCS043	P.PARISATH			
25		920420UCS054	20UCS054	P.ALFAN REGU			
26	DIO	920420UCS057	20UCS057	K.SRI RAGAVI	Recommendations For Music Based on	Dr.G.Uma Maheshwari	29.4.2024-FN
27	B10	920420UCS034	20UCS034	J.SUSANNA	Facial Micro Expressions		
28	B11 92	920420UCS011	20UCS011	VASANTH K	An Auto Image Tamper Detection and Restoration System	Mrs.S.Hemaswathi	29.4.2024-AN
29		920420UCS022	20UCS022	MANOJ KUMAR S			
30		920420UCS027	20UCS027	SENTHIL MURUGAN S			
31		920420UCS096	20UCS096	DURAIVENKATRAJU S	The Food Rescuer's Mission :Tackling Food Waste Together	Mrs.K.Indumathi	29.4.2024-AN
32	B12	920420UCS076	20UCS076	BALAJI R			
3	1	920420UCS045	20UCS045	SANJAYKUMAR S			
4		920420UCS100	20UCS100	JOSHUA T	Everything Everywhere All At Once	Dr.A.Meenakshi	29.4.2024-AN
5	B13	920420UCS036	20UCS036	GIRIVASAN S V			
6		920420UCS016	20UCS016	S MADHAN			
7	1	920420UCS048	20UCS048	M S VENKATESH KANNAN	Evidence Integrity Management System	Dr.P.Praveen Kumar	29. <mark>4.</mark> 2024-AN
8	B14	920420UCS014	20UCS014	P S SRI VIGNOV PANDIAN			
9	-	920420UCS065	20UCS065	S RAJ FLINTOFF			
0	B15	920420UCS105	20UCS105	RAMESH V	Forecasting kidney Health Using Machine Mrs.B.Sa	Mrc B Santhi Priva	29.4.2024-AN
1		920420UCS110	20UCS110	RAVEEN R			
2		920420UCS042	20UCS042	AKASH.A		Ivii 5.D. Sanun 1 11ya	
3	1	920420UCS112	20UCS112	ASHWATH KUMAR S.S			

44	B16	920420UCS002	20UCS002	SAJIYA BEGUM A	AI for VICTIMS :Case Filing and Legal Guidance	Dr.A.Meenakshi	29.4.2024-AN
45		920420UCS070	20UCS070	SANTHIYA E			
46	B17	920420UCS067	20UCS067	KAVIYARAJESWARI S	Multiple Object Detection Using Deep Le	Mr.D.Raj	29.4.2024-AN
47		920420UCS062	20UCS062	SHARUMATHI A			
48		920420UCS083	20UCS083	MANOSRI R			
49	B18	920420UCS037	20UCS037	SUGA PRIYA.S	Intelligent voice mail system	Mrs.K.Leelarani	29.4.2024-AN
50		920420UCS051	20UCS051	DHARANI.R			
51		920420UCS093	20UCS093	RAJASRI.M			
52	B19	920420UCS084	20UCS084	PRATHIKSHA	Wellness Chatbot	Dr.G.Mahalakshmi	29.4.2024-AN
53		920420UCS080	20UCS080	KAVITHA G			
54		920420UCS087	20UCS087	RAMPRIYA S			

Richard Project Coordinator

HoD-CSE

## SAFE ROADS VISION: ZERO CRASHES

#### A PROJECT REPORT

Submitted by

YASHWANT RAM G A (920420UCS104)

SARVASH S S (920420UCS095)

PRAVEEN A (920420UCS059)

In partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University,

Chennai)

K.VELLAKULAM, VIRUDHUNAGAR - 626 001

**BONAFIDE CERTIFICATE** 

Certified that the project report "SAFE ROADS VISION: ZERO CRASHES" is the bonafide work of YASHWANT RAM G A (920420UCS104), SARVASH S S (920420UCS095), PRAVEEN A (920420UCS059) who carried out the project work under my supervision.

214/2024

Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg.&Tech., K.Vellakulam, Virudhunagar - 626 001.

Mrs. S.ATHILAKSHMI, M.E.,(Ph. D.), Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg.&Tech., K.Vellakulam, Virudhunagar - 626 001.

K. Indone

Shurry- A 19/2024

**EXTERNAL EXAMINER** 

# **CHEST ABNORMALITY DETECTION**

#### **A PROJECT REPORT**

Submitted by

SREE PREETHI S K (920420UCS019)

#### SREE NIDHI R (920420UCS033)

In partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

# (An Autonomous Institution- Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

## **BONAFIDE CERTIFICATE**

Certified that the project report "CHEST ABNORMALITY DETECTION" is the bonafide work of "SREE PREETHI S K (920420UCS019), SREE NIDHI R(920420UCS033)" who carried out the project work under my supervision.

Na

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

SIGÑATURE Mrs. S. NITHYA, M.E.,(Ph.D), Supervisor, Assistant Professor, Dept. of Artificial Intelligence and Data Science, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

Show J. P 14/24

**EXTERNAL EXAMINER** 

## **FAKE NEWS DETECTION**

#### A PROJECT REPORT

Submitted by

## NAVEEN ARYA K S(920420UCS077)

### SUBASH KUMAR M (920420UCS089)

## **DANIEL M (920420UCS090)**

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### BONAFIDE CERTIFICATE

Certified that the project report "FAKE NEWS DETECTION" is the bonafide work of NAVEEN ARYA K S (920420UCS077), SUBASH KUMAR M (920420UCS089), DANIEL M (920420UCS090) who carried out the project work under my supervision.

Neval SIGNATURE Dr.A.MEENAKSHI, M.E., Ph.D. Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam. Virudhunagar - 626 001.

SIGNATURE Dr.G. NIRMALA, M.E., Ph.D., SUPERVISOR, Assistant Professor, Dept. of Computer Science and, Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

Show 7. A 12024

EXTERNAL EXAMINER

R. Indomety INTERNAL EXAMINER

# **INTRAVENOUS FLUID MONITORING AND**

## **CONTROLLING SYSTEM**

#### A PROJECT REPORT

Submitted by

**SRIMATHI S (920420UCS009)** 

## KARPAGA MOUNIKA S (920420UCS101)

## **SUBIKSHA A (920420UCS107)**

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "INTRAVENOUS FLUID MONITORING AND CONTROLLING SYSTEM" is the bonafide work of "SRIMATHI S (920420UCS009), KARPAGA MOUNIKA S(920420UCS101), SUBIKSHA A (920420UCS107)" who carried out the project work under my supervision.

al 2024

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D., HEAD OF THE DEPARTMENT Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 701.

Mrs. X.Ignatius Selvarani, M.E., SUPERVISOR Assistant Professor, Dept. of Computer Science and · Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 701.

K. Indom

Shur 7 29/1/24

# AI POWERED AUTOMATED VIDEO SURVEILLANCE AND ALARM SYSTEM

A PROJECT REPORT

Submitted by

## MALAIAPPANSRIKANTH S (920420UCS079)

GANESHAN M (920420UCS078)

#### NITHISHKUMAR G.R (920420UCS088)

in partial fulfilment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "AI POWERED AUTOMATED VIDEO SURVEILLANCE AND ALARM SYSTEM" is the bonafide work of "MALAIAPPANSRIKANTH.S (920420UCS079), GANESHAN.M (920420UCS078) & NITHISHKUMAR.G.R (920420UCS088)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625 701.

S. Jan Ju/24

SIGNATURE Ms. S.JANANI, M.E., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech K.Vellakulam, Virudhunagar - 625701.

Show 7 29/4/21. EXTERNAL EXAMINER

# LIP READING AI

#### A PROJECT REPORT

Submitted by

### AMBRISH K (920420UCS020)

#### HARIKARAN M S (920420UCS066)

#### MANICK JOE BEVAN A (920420UCS073)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

# **BONAFIDE CERTIFICATE**

Certified that the project report "LIP READING AI" is the bonafide work of "AMBRISH K (920420UCS020), HARIKARAN M S (920420UCS066) & MANICK JOE BEVAN A (920420UCS073)" who carried out the project work under my supervision.

SIGNATURE Dr.A. MEENAKSHI, M.E,Ph.D., Head of the Department, Dept. of Computer science and Engineering. Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

V. Compten

SIGNATURE **Mrs. V.SANGEETHA, M.Tech., Assistant Professor,** Dept. of Artificial Intelligence and Data Science. Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

R'Indrate INTERNAL FYAM

Show J. F. MM

#### **EXTERNAL EXAMINER**

F.16.1

# Empowering Video Summarization through NLP Algorithms

A PROJECT REPORT

Submitted by

SARAVANA BALAJI K (920420UCS015)

**RAGUL A.S (920420UCS018)** 

KANNAN T (920420UCS026)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

KAMARAJ COLLEGE OF ENGINEERING&TECNOLOGY



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### BONAFIDE CERTIFICATE

Certified that the project report "CLIP CRAFTER" is the bonafide work of "SARAVANA BALAJI K(920420UCS015), KANNAN T(920420UCS026) & RAGUL A.S. (920420UCS018)" who carried out the project work under my supervision.

Hend

SIGNATURE DR.A. MEENAKSHI, M.E,Ph.D Head of the Department, Dept. of Computer science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

SIGNATURÉ DR.R.RAMYA,M.E,Ph.D SUPERVISOR, Associate Professor Dept. of computer science and engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

Short Arun

R. Indonetty

## **REAL TIME BUS LOCATOR APPLICATION**

#### A PROJECT REPORT

Submitted by

## **SUBASH S (920420UCS008)**

## SUBASH CHANDRA PANDIAN J (920420UCS005)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

### KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "REAL TIME BUS LOCATOR APPLICATION" is the bonafide work of "SUBASH S (920420UCS008), SUBASH CHANDRA PANDIAN J (920420UCS005)" who carried out the project work under my supervision.

SIGNATURE

Dr.A. MEENAKSHI, M.E, Ph.D Head of the Department,

Professor,

Dept.of Computer science and Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam,

Virudhunagar - 626 001.

SIGNATURE

Mr. B.Muthukrishna Vinayagam, M.E., SUPERVISOR,

Assistant Professor,

Dept.of computer science and

Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam, Virudhunagar - 626 001.

churt 29/4/124.

# **LEAF DISEASE DETECTION**

A PROJECT REPORT (Final Year UG project-CS1821)

Submitted by

**GOWTHAM U (920420UCS032)** 

PARISATH P (920420UCS043)

ALFAN REGU P (920420UCS054)

in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

KAMARAJ COLLEGE 0F ENGINEERING&TECNOLOGY



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

# **BONAFIDE CERTIFICATE**

Certified that the project report "LEAF DISEASE DETECTION" is the bonafide work of "GOWTHAM U (920420UCS032), PARISATH P(920420UCS043) & ALFAN REGU P (920420UCS054)" who carried out the project work under my supervision.

Inal

SIGNATURE DR.A. MEENAKSHI, M.E,Ph.D Head of the Department, Dept. of Computer science and Engineering Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

R. Muta

SIGNATURE DR.R. MUTHUSELVI, M.E,Ph.D Professor, Dept. of computer science and Engineering Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

Shewardt A 99/4/24.

R. Ind noro

## RECOMMENDATIONS FOR MUSIC BASED ON FACIAL MICRO EXPRESSIONS

#### A PROJECT REPORT

Submitted by

#### SRI RAGAVI K (20UCS057)

#### SUSANNA J (20UCS034)

In partial fulfillment for the award of the degree of

## BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR – 625 701

## KAMARAJ COLLEGE OF ENGINEERING ANDTECHNOLOGY

# An Autonomous Institution- Affiliated to Anna University, Chennai)

### K.VELLAKULAM, VIRUDHUNAGAR 625 701 BONAFIDE CERTIFICATE

Certified that the project report "RECOMMENDATIONS FOR MUSIC BASED ON FACIAL MICRO EXPRESSIONS" is the bonafide work of "SRI RAGAVI K (20UCS057), SUSANNA J (20UCS034) " Who carried out the project work under my supervision.

ingl

Dr.A.Meenakshi,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech,K.Vellakulam, Virudhunagar - 626 001.

Dr.G.Uma Maheswari,M.E.PhD., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001

X. Indanat NTERNAL EXAMIN

Shunging

# AN AUTO IMAGE TAMPER DETECTION AND RESTORATION SYSTEM

#### A PROJECT REPORT

#### CS1821 – PROJECT WORK

Submitted by

VASANTH K (920420UCS011)

MANOJ KUMAR S (920420UCS022)

SENTHIL MURUGAN S (920420UCS027)

in partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution -Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

## KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

## K. VELLAKULAM, VIRUDHUNAGAR - 626 001

#### BONAFIDE CERTIFICATE

Certified that the project report "AN AUTO IMAGE TAMPER DETECTION AND RESTORATION SYSTEM" is the bonafide work of "VASANTH K (920420UCS022) & MANOJ KUMAR S (920420UCS022) & SENTHIL MURUGAN S (920420UCS022) "who carried out the project work under my supervision

Storal

SIGNATURE Dr.A. Meenakshi, M.E., Ph.D.., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

R. Thelprety

p.tr enty 24

Mrs.S.Hemaswathi, M.E., (Ph.D.), SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar - 626 001.

Shundral 4/21

EXTERNAL EXAMINER

# THE FOOD RESCUER'S MISSION : TACKLING FOOD WASTE TOGETHER

A PROJECT REPORT

Submitted by

## SANJAY KUMAR S (920420UCS045)

**BALAJI R (920420UCS076)** 

DURAI VENKAT RAJU S (920420UCS096)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "THE FOOD RESCUER'S MISSION TACKLING FOOD WASTE TOGETHER" is the bonafide work of "SANJAY KUMAR S (920420UCS096), BALAJI R (920420UCS076), DURAI VENKAT RAJU S (920420UCS096)" who carried out the project work under my supervision.

Mena

Dr.A.Meenakshi., M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar – 625 701.

R Jhannes INTERNAL EXAM

K. Sndhraff Mrs.K.Indumathi., M.E.

Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar – 625 701.

Show 12 14/21

EXTERNAL EXAMINER

## **EVERYTHING EVERYWHERE ALL AT ONCE**

**A PROJECT REPORT** 

Submitted by

**JOSHUA T (920420UCS100)** 

GIRIVASAN S V (920420UCS036)

**MADHAN S (920420UCS016)** 

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

## **BONAFIDE CERTIFICATE**

Certified that the project report "EVERYTHING EVERYWHERE ALL AT ONCE" is the bonafide work of "T. JOSHUA (920420UCS100),

S.V. GIRIVASAN (920420UCS036) & S. MADHAN (920420UCS016)" who

carried out the project work under my supervision.

SIGNATURE

Dr. A. MEENAKSHI, M.E., Ph.D., Head of the Department,

Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625 701.

enal

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., SUPERVISOR, Head of the Department, Dept. of Computer Science and Engineering,

Kamaraj College of Engg & Tech

K.Vellakulam,

Virudhunagar - 625701.

R. Indance

Show ANT IN

## **Evidence Integrity Management System**

A PROJECT REPORT

Submitted by

## SRI VIGNOV PANDIAN P S (920420UCS014) VENKATESH KANNAN M S (920420UCS048) RAJ FLINTOFF S (920420UCS065)

In partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

## (An Autonomous Institution - Affiliated to Anna University, Chennai)

#### K.VELLAKULAM, VIRUDHUNAGAR - 626 001

#### **BONAFIDE CERTIFICATE**

Certified that the project report "EVIDENCE INTEGRITY MANAGEMENT SYSTEM" is the bonafide work of SRI VIGNOV PANDIAN P.S. (920420UCS014), VENKATESH KANNAN M.S. (920420UCS048) and RAJ FLINTOFF S (920420UCS065) who carried out the project work under my supervision.

Jonal **SIGNATURE** 

Dr.A. Meenakshi, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. &Tech., K. Vellakulam, Virudhunagar - 626 001.

R. I

SIGNATURE

Dr.P. Praveen Kumar, MTech., Ph.D., Supervisor, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. &Tech., K. Vellakulam, Virudhunagar - 626 001.

K. Indora

## FORECASTING KIDNEY HEALTH USING MACHINE LEARNING ALGORITHMS

A PROJECT REPORT

The second of

Submitted by

AKASH A (920420UCS042)

RAMESH V (920420UCS105)

RAVEEN R (920420UCS110)

ASHWATH KUMAR S S (920420UCS112)

in partial fulfillment for the award of the degree of

## BACHELOR OF ENGINEERING

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### BONAFIDE CERTIFICATE

Certified that the project report "FORECASTING KIDNEY HEALTH USING MACHINE LEARNING ALGORITHMS" is the bonafide work of "AKASH A (920420UCS042), RAMESH V (920420UCS105), RAVEEN R (920420UCS110), ASHWATH KUMAR S S (920420UCS112)" who carried out the project work under my supervision.

wal

Dr. A. Meenakshi, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar – 625 701.

B:00- Holly

Mrs. B. Santhi Priya, M.E., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech, K.Vellakulam, Virudhunagar – 625 701.

R. Indonation

Showert Daly 114.

. F.16.1

# AI FOR VICTIMS CASE FILING AND LEGAL GUIDANCE

**A PROJECT REPORT** 

Submitted by

## SAJIYA BEGUM A (920420UCS002)

## **SANTHIYA E (920420UCS070)**

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "AI FOR VICTIMS : Case Filing and Legal Guidance" is the bonafide work of "A.Sajiya Begum (920420UCS002) & E.Santhiya (920420UCS070)" who carried out the project work under my supervision.

Menal

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625 701.

Findner INTERNAL EX.

Monal

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., SUPERVISOR, Head of the Department, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech K.Vellakulam, Virudhunagar - 625701.

Spewer JA 14/24.

# **3D MULTIPLE OBJECT DETECTION USING DEEP** LEARNING ALGORITHM

#### **A PROJECT REPORT**

Submitted by

# SHARUMATHI A (920420UCS062) KAVIYARAJESWARI S (920420UCS067) MANOSRI R (920420UCS083)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution- Affiliated to Anna University, Chennai)

## K.VELLAKULAM, VIRUDHUNAGAR - 625 701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "3D MULTIPLE OBJECT DETECTION USING DEEP LEARNING ALGORITHM" is the bonafide work of "SHARUMATHI A (920420UCS062),KAVIYARAJESWARI S (920420UCS067) & MANOSRI R (920420UCS083)" who carried out the project work under my supervision.

Monel SIGNATURE

Dr. A. MEENAKSHI,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 625 701.

R. Judnmath INTERNAL EXAMINER F.16.1

SIGNATURE

Mr. D. RAJ, M.E.,

SUPERVISOR,

Assistant Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg & Tech

K.Vellakulam,

Virudhunagar - 625701.

Shungt 29/4/24

# INTELLIGENT VOICE MAIL SYSTEM

A PROJECT REPORT

#### Submitted by

## SUGA PRIYA S (920420UCS037)

## DHARANI R (920420UCS051)

## RAJASRI M (920420UCS093)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

## **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625 701

**APRIL 2024** 

F.16.1

### **BONAFIDE CERTIFICATE**

Certified that the project report "INTELLIGENT VOICE MAIL SYSTEM" is the bonafide work of "S. SUGA PRIYA (920420UCS037), R. DHARANI (920420UCS051) & M.RAJASRI (920420UCS093)" who carried out the project work under my supervision.

leval

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

8 B. Dont 16/4/2024 SIGNATURE

Mrs.K.LEELARANI, M.E., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg &Tech K.Vellakulam, Virudhunagar - 625701.

R. Indunety

Showing the EXTERNAL EXAMINER

EERING & TE CHNO

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) S.P.G.C. Nagat, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING **B.E. SEM PRACTICAL EXAMINATIONS - APRIL 2024**

: Mini Project

Lab Code : CS2352

Class/Semester : III CSE A / VI

**Conference Hall - II** 

: 04.5.2024 FN - 9.30 AM to 12.30 PM AN - 12.45 PM - 03.45 PM

20	19	18 A	17	16	15	14	13 /	12	=	10	9	8 A	7	6	s	4	5	22	-	S.no Bat	Venue :
	;		r		A6		A2			A 		A			A2			AI	r	Batch No	
920421104305	920421104078	920421104118	920421104018	920421104014	920421104097	920421104114	920421104063	920421104093	920421104059	920421104050	920421104303	920421104301	920421104023	920421104049	920421104033	920421104105	920421104116	920421104115	920421104082	Register Number	Conference Hall - II
21UCS124	21UCS044	21UCS023	21UCS010	21UCS101	21UCS106	21UCS120	21UCS061	21UCS035	21UCS085	21UCS069	21UCS122	21UCS127	21UCS041	21UCS116	21UCS112	21UCS079	21UCS068	21UCS098	21UCS080	Roll no	
NANDHA KUMAR.M	PUNITHA BRIDJITH.A	YASWANT.R	DEEPAN SAKKARAVARTHI.S	BANU SUBIKSHA M	SIVARANJANI S	VIJAY KUMAR.R	NANDA GURUV PANDIYAN.D	SHIVAKUMARAN.S	MARY SELJA.J	KOWSALYA.C	KARTHIKEYAN T S	ARSADH G	GOVINDARAJAN D	KOUSHIKAN S	JEEVA J	THANGA BALAJI P	K.VISHVA	N.VISHNU	C.RISHIKESH	Name	VIV
	Unline Resume Generator			Alert System	Life Guard: Smart Speed Breaker Collision		e-Bug Tracking System			Upplik Douton		Unity3D's Gamified Learning Adventure			Pro-Track			Customer Churn Analysis using MFNN		Title	VIVA SCHEDULE
		Dr. G. NIRMALA			Ms. S. ATHILAKSHMI		Dr. U. KUMARAN		SELVARANI	Ms. X. IGNATIUS		Ms. K. LEELARANI			Dr. R. RAMYA			Dr. G. UMA MAHESWARI		Guide Name	
	4.5.2024 FN			4.5.2024 FN			4.5.2024 FN		4.5.2024 FN			4.5.2024 FN			4.5.2024 FN			4.5.2024 FN		Date/Time	

			DHIVYA G	21UCS004	920421104020		55
4.5.2024 AN		Management	IYA S		920421104106	A19	54
	Ms K INDIMATHI	Smart Irrigation System With Fartilizer		21UCS062	920421104047		53
			KAMALAKANNAN G	21UCS047	920421104038		52
4.5.2024 AN		Online Vegetable Shopping	BARATH R	21UCS074	920421104016	A18	51
	DE R MITHISEI VI		PERUMAL V	21UCS094	920421104071		50
			GANNIGAA.S	21UCS038	920421104022		49
4.5.2024 AN	MS. N. MOTHOLANSHINI	Home Automation System	HARSHINA SRI.M.G	21UCS013	920421104028	A17	48
	Me & MITTHIT AKCHMI		MADHURAM.S		920421104054		47
			MAHARANJITHAM S	21UCS054	920421104056		46
4.5.2024 AN	MS. B. SANTHI FRITA	Visionmate	PREETHI K	21UCS090	920421104075	A16	45
	Me B SANTHI DRIVA		NIRANCHANA SHREE S R	21UCS119	920421104065		44
			PAVITRA RAO S	21UCS051	920421104070		43
4.5.2024 AN	MS. J. LAVANTA	Placement Management System	NIRANJANA P	21UCS034	920421104066	A15	42
	Maitavanva		ZENMATHY K P	21UCS014	920421104121		41
			SATHEESKUMAR V	21UCS018	920421104091		40
4.5.2024 AN	IVIS. S. JAINAINI	Spam Detection	JANA VIKRAM K.M.S	21UCS025	920421104032	A14	39
	MA C TANIANI		RAJASEKARAN K	21UCS096	920421104080		38
			ABINA YASARASWATHI B	21UCS006	920421104004		37
4.5.2024 AN	Dr. A. MEENAKSHI	Early Lung Cancer Detection	SANGEETHA K	21UCS012	920421104088	A13	36
			KRISHNA HARNI P	21UCS017	920421104051		35
			P.KISHOR	21UCS022	920421104048		34
4.5.2024 AN	VINAYAGAM	Smart Bus Tracking	D.JONES SIMEON	21UCS016	920421104037	A12	33
	Mr. B. MUTHUKRISHNA		A.AARON ARULRAJ	21UCS008	920421104003		32
			PRAGADEESWARAN S	21UCS113	920421104073		31
4.5.2024 FN	Dr. A. ANANDH	Online Chat Application	NAVANEETHA KRISHNAN A	21UCS043	920421104064	A11	30
			VASEEKARAN S	21UCS067	920421104108		29
			HARIHARAN C	21UCS077	920421104026		28
4.5.2024 FN	Ms. V. SANGEETHA	Courier Management System	YOGESHWARAN V	21UCS053	920421104120	A10	27
			ARUN KUMAR K	21UCS111	920421104007		26
			J.MUNIESH VIJAY	21UCS129	920421104304		25
4.5.2024 FN	Ms. S. HEMASWATHI	Music Recommendation System Using MI	KARUPPASAMY S	21UCS020	920421104040	A9	24
			YOGESHWARAN R	21UCS052	920421104119		23
4.5.2024 FN		-Heart Disease Prediction	R.RAJESWARI	21UCS005	920421104081		22
	Ms. R. INDHUJA		HEMSHIKA HARINI DEVI C.S	21UCS024	920421104029	A8	21
						1	]

	М		62 63	61	60	58	57	56
	lini Proje	~	A22	i i i	100		A20	_
	Mini Project Coordinators	Anne	920421104030 920421104008	920421104085	920421104067	920421104092	920421104110	02004211104062
			21UCS118 21UCS081	21UCS015	21UCS084	21UCS046	21UCS028	2117CS114
			ILAKKIYA M ASATH SUGAINA A	SAKTHISHIVASANKAR	NITHIS BANGARU B	SHEIK ABDHULLA.R	VIGNESH KUMARAN.A	MIKESHN
	Ho		Brain Tumor Detection using Deep Learning	Face Recognisation	Hostel Students Monitoring System Using	Machine Leanning	Real-Time Fire Incidents Detection Using	
	HoD-CSE		MS. S. NITHYA		Dr. P. PRAVEEN KUMAR		Dr. G. MAHALAKSHMI	
			4.5.2024 AN		4 5 2004 AN		4.5.2024 AN	

# **CUSTOMER CHURN ANALYSIS USING MFNN**

### A MINI-PROJECT REPORT (CS2352 & MINI PROJECT)

SUBMITTED BY

RISHIKESH. C (920421UCS080)

VISHVA. K (920421UCS068)

VISHNU. N (920421UCS098)

### BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626 001

### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

# K. VELLAKULAM, VIRUDHUNAGAR -626 001 **BONAFIDE CERTIFICATE**

Certified that the project report "CUSTOMER CHURN ANALYSIS USING MFNN" is the bonafide work of "RISHIKESH. C (920421UCS080), VISHNU. N (920421UCS098), VISHVA. K (920421UCS068)" who carried out the project under my supervision.



30/4/24

Dr. A. Meenakshi, M.E., Ph.D.,

Head of the Department,

Professor,

Dept. of Computer Science and Engineering,

Kamaraj College of Engg & Tech

K. Vellakulam, Virudhunagar - 626 001.

SIGNATURE

Dr. G. Uma Maheshwari, M.E., Ph.D.,

### Supervisor,

Assistant Professor,

Dept. of Computer Science

and Engineering,

Kamaraj College of Engg & Tech.

K. Vellakulam,

Virudhunagar - 626 001.

INTERNALEXAMINER



# **PRO TRACK**

# A MINI PROJECT REPORT CS2352 & MINI PROJECT

Submitted by

# THANGA BALAJI P (920421104105) KOUSHIKAN S (920421104049) JEEVA J (920421104033)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "PRO TRACK" is the bonafide work of "P.THANGA BALAJI (920421104105), S.KOUSHIKAN (920421104049) & J.JEEVA (920421104033)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

J. dar SIGNATURE Dr.R.RAMYA, M.E., Ph.D., SUPERVISOR, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

INTER



# GAMIFICATION LEARNING SPACE ODYSSEY

# A MINI PROJECT REPORT (CS2352 & Mini Project) Submitted by

# GOVINDARAJAN D (920421104023)

# ARSADH G (920421104301)

# KARTHIKEYAN T S (920421104303)

in partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING

IN

# COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

# BONAFIDE CERTIFICATE

Certified that the project report "GAMIFICATION LEARNING SPACE ODYSSEY " the Bonafide work of "GOVINDARAJAN D (920421104023), ARASADH G (920421104) & KARTHIKEYAN TS (920421104303)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701. SIGNATURE Mrs. K. LEELARANI, M. E Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

EXTE

# HEALTH PARTNER USING WEB APPLICATION

### **A MINI PROJECT REPORT**

### (CS2352 & MINI PROJECT)

Submitted by

### KOWSALYA C (920421104050)

### MARY SELJA J (920421104059)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

**APRIL 2024** 

F.16.1

### BONAFIDE CERTIFICATE

Certified that the project report "Health Partner Using Web Application" is the bonafide work of "C.KOWSALYA (920421104050) & J.MARY SELJA (920421104059)" who carried out the project work under my supervision.

al

SIGNATURE Dr. A. MEENAKSHI M.E.,Ph.D. Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

Islan.

X.IGNATIUS SELVARANI, SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar – 625701.

EXTERNAL EXAMINER

# e-BUG TRACKING SYSTEM

### A MINI PROJECT REPORT

### CS2352 & Mini Project

Submitted by

# SHIVAKUMARAN S (920421104093)

NANDA GURU PANDIYAN D (920421104063)

VIJAY KUMAR R (920421104114)

In partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

# COMPUTER SCIENCE AND ENGINEERING



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai)

> K. VELLAKULAM, VIRUDHUNAGAR - 626 001 APRIL 2024

### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution-Affiliated to Anna University, Chennai)

# K. VELLAKULAM, VIRUDHUNAGAR – 626 001 BONAFIDE CERTIFICATE

Certified that the project report "e-BUG TRACKING SYSTEM" is the Bonafide work of "SHIVAKUMARAN S (920421104093), NANDA GURU PANDIYAN D (920421104063) & VIJAY KUMAR R (920421104114)" who carried out the project under my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 626 001.



Dr. U. Kumaran M. E., Ph. D., Supervisor, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 626 001.

Knyleny INTERNAL EXAMINER

**EXTERNAL EX** 

# SONIC ALERT SYSTEM

### A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by

# BANUSUBIKSHA M (920421104014)

# SIVARANJANI S (920421104097)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR – 625 701

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

# K.VELLAKULAM, VIRUDHUNAGAR – 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "SONIC ALERT SYSTEM" is the bonafide work of "M..BANUSUBIKSHA(920421104014), S. SIVARANJANI (920421104097) who carried out the project under my supervision. 01

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D.,	SIGNATURE Mrs. S. Athilakshmi, M.E., (Ph.D.),
Head of the Department,	Supervisor,
Professor,	Assistant Professor,
Dept. of Computer Science and	Dept. of Computer Science and
Engineering,	Engineering,
Kamaraj College of Engg. & Tech.,	Kamaraj College of Engg.&Tech.,

K.Vellakulam, Virudhunagar - 625 701. Kamaraj College of Engg.&Tech., K.Vellakulam, Virudhunagar - 625 701.





### **E-RESUME GENERATOR**

### **A MINI PROJECT REPORT**

### CS2352 & MINI PROJECT

Submitted by

# DEEPAN SAKKARAVARTHI S (920421104018) YASWANT R (920421104118) PUNITHA BRIDJITH A (920421104078) NANDHA KUMAR M (920421104305)

in partial fulfillment for the award of the degree of

# BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "E-RESUME GENERATOR" is the bonafide work of "DEEPAN SAKKARAVARTHI S (920421104018), YASWANT R (920421104118), NANDHA KUMAR M (920421104305), PUNITHA BRIDJITH A (920421104078)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D, Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701. SIGNATURE Dr.G.NIRMALA, M.E., Ph.D., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

KULLENA INTERNAL EXAMINER

**EXTERNAL EXAMINER** 

# HEART DISEASE PREDICTION USING MACHINE LEARNING

### **A MINI PROJECT REPORT**

CS2352 & Mini Project

Submitted by

### HEMSHIKA HARINI DEVI C S (920421104029)

### **RAJESWARI R (920421104081)**

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

**APRIL 2024** 

i

### **BONAFIDE CERTIFICATE**

Certified that the project report "HEART DISEASE PREDICTION USING MACHINE LEARNING" is the bonafide work of "HEMSHIKA HARINI DEVI C.S(920421104029)& RAJESWARI R (920421104081)" who carried out the project work under my supervision.

Neva SIGNATURE

Dr. A. MEENAKSHI, M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

Hr alen INTERNAL EXAMINER

SIGNATURE Mrs.R.INDHUJA, M.E., SUPERVISOR, Assistant Profestor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXAMINER

# MUSIC RECOMMENDATION SYSTEM

### A MINI PROJECT REPORT

### CS2352 Mini Project

Submitted by

R.YOGESHWARAN (920421UCS052)

S.KARUPPASAMY (920421UCS020)

J.MUNIESH VIJAY (920421UCS129)

In partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

# COMPUTER SCIENCE AND ENGINEERING



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution-Affiliated to Anna University, Chennai)

> K. VELLAKULAM, VIRUDHUNAGAR - 625701 APRIL 2024

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution-Affiliated to Anna University, Chennai) K. VELLAKULAM, VIRUDHUNAGAR–625701 BONAFIDE CERTIFICATE Certified that the project report "MUSIC RECOMMENDATION SYSTEM" is the Bonafide work of "YOGESHWARAN R. (920421UCS052), KARUPPASAMY S. (920421UCS087) & MUNIESH VIJAY J. (920421UCS129)" who carried out the project under my supervision.

SIGNATURE Dr.A.Meenakshi,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam,

Virudhunagar-625701.

INTERNAL EXAMINER

Mrs.S.Hemaswathi,M.E.,(Ph.D.),

Supervisor,

Assistant Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg & Tech,

K.Vellakulam,

Virudhunagar-625701.

N9. P-17-7-124.

EXTERNAL EXAMINER

# **COURIER MANAGEMENT SYSTEM**

# A MINI PROJECT REPORT

CS2352 & Mini Project

Submitted by

# YOGESHWARAN V (920421104120)

# ARUNKUMAR K (920421104007)

# HARIHARAN C ( 920421104026)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

# **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "COURIER MANAGEMENT SYSTEM" is the bonafide work of "YOGESHWARAN V(920421104120) & ARUN KUMAR K(920421104007) & HARIHARAN C(920421104026)" who carried out the project work under my supervision.

ij

ar

SIGNATURE Dr. A. MEENAKSHI M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

INTERN **EXAMINER** 

V. Compten

SIGNATURE Mrs.V.SANGEETHA M.TECH., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXAMINER



# ASYNCHRONOUS CHATTING APPLICATION

# CS2352-MINI PROJECT REPORT Submitted by

S Vaseekaran (920421104108)

A Navaneetha Krishnan (920421104064)

S Pragadeeswaran (920421104073)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR - 625 701

APRIL 2024

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

# K.VELLAKULAM, VIRUDHUNAGAR - 626 001

# BONAFIDE CERTIFICATE

Certified that the project report "ASYNCHRONOUS CHATTING

APPLICATION" is the bonafide work of "S.VASEEKARAN

(920421104108), A.NAVANEETHA KRISHNAN (92041104064) &

S.PRAGADEESWARAN(92042104073)" who carried out the project under

my supervision.

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech,

K.Vellakulam, Virudhunagar - 626 001.

SIGNATURE Dr.A.Anandh,M.E.,MBA.,Ph.D., Supervisor, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 626 001.

INTERNAL EXAMINER

EXTER

# SMART BUS TRACKING SYSTEM USING ARDUINO

### A MINIPROJECT REPORT

### CS2352 & Mini Project

Submitted by

# A.AARON ARULRAJ (920421UCS008)

**D.JONES SIMEON (920421UCS016)** 

**P.KISHOR (920421UCS022)** 

In partial fulfillment for the award of the degree of

# **BACHELOROF ENGINEERING**

IN

# COMPUTER SCIENCE AND ENGINEERING



# DEPARTMENTOFCOMPUTERSCIENCEANDENGINEERING

KAMARAJCOLLEGEOFENGINEERINGANDTECHNOLOGY (An Autonomous Institution-Affiliated to AnnaUniversity, Chennai)

> K. VELLAKULAM, VIRUDHUNAGAR - 625701 APRIL 2024

# KAMARAJCOLLEGEOFENGINEERINGANDTECHNOLOGY

# (An Autonomous Institution-Affiliated to AnnaUniversity, Chennai)

# K. VELLAKULAM, VIRUDHUNAGAR–625701 BONAFIDE CERTIFICATE

Certified that the project report "SMART BUS TRACKING USING ARDUINO" is the Bonafide work of "AARON ARULRAJ A (920421UCS008) JONES SIMEON D (920421UCS016) & KISHOR (920421UCS022)" who carried out the project under my supervision.

SIGNATURE Dr.A.Meenakshi,M.E.,Ph.D.,

Headof theDepartment,

Professor,

Dept of Computer Science and Engineering, Kamaraj College of Engg&Tech, K. Vellakulam,

Virudhunagar-625701.

INTE AMINER

SIGNATURE Mr.Muthukrishna Vinayagam, M.E. Guide, Assistant Professor, Dept of Computer Science and Engineering, Kamaraj College of Engg&Tech, K. Vellakulam, Virudhunagar-625701.



### EARLY LUNG CANCER DEDUCTION

### A MINI PROJECT REPORT

CS2352 & Mini Project

Submitted by

### ABINAYASARASWATHI B (21UCS006)

### SANGEETHA K (21UCS012)

### **KRISHNA HARNI P (21UCS017)**

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

# BONAFIDE CERTIFICATE

Certified that the project report "EARLY LUNG CANCER DEDUCTION" is the bonafide work of "B.Abinayasaraswathi (21UCS006), K.Sangeetha

(21UCS012) & P.Krishna Harni (21UCS017)" who carried out the project work

under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

Wend

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., SUPERVISOR, Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.



fortalon INTERNAL EXAMINER

# **SPAM DETECTION USING MACHINE LEARNING**

A MINI PROJECT REPORT (CS2352 & MINI PROJECT)

Submitted by

# **RAJASEKARAN K (21UCS096)**

# SATHEESHKUMAR V (21UCS018)

# JANAVIKRAM K M S (21UCS025)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE ANDENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

# **BONAFIDE CERTIFICATE**

Certified that the project report "SPAM DETECTION USING MACHINE LEARNING" is the bonafide work of "K.RAJASEKARAN (21UCS096) , V.SATHEESHKUMAR (21UCS018) & K.M.S.JANA VIKRAM (21UCS025)" who carried out the project work under my supervision.

anal

SIGNATURE Dr.A.MEENAKSHI,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

INTERNA EXAMINER

S.)~X

SIGNATURE Ms.S.JANANI ,M.E., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXAMINER

### PLACEMENT MANAGEMENT SYSTEM

### A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by

# NIRANJANA P (920421104066)

### PAVITRA RAO S (920421104070)

### ZENMATHY K P (920421104121)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "PLACEMENT MANAGEMENT SYSTEM" is the bonafide work of "NIRANJANA.P(920421104066) & PAVITRA RAO.S(920421104070) & ZENMATHY.K.P(920421104121) " who carried out the project work under my supervision.

Ingh

SIGNATURE Dr. A. MEENAKSHI, M.E,Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

SIGNATURE Mrs. J. LAVANYA, M.Tech SUPERVISOR, Assistant Professor, Dept. of Artificial Intelligence and Data Science, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXA

# VISIONMATE

A MINI PROJECT REPORT (CS2352 & Mini Project) Submitted by

# PREETHI K (920421104075)

# MAHARANJITHAM S (920421104056)

# NIRANCHANA SHREE S R (920421104065)

in partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

**APRIL 2024** 

F.16.1

# BONAFIDE CERTIFICATE

Certified that the project report "VISIONMATE" is the bonafide work of "PREETHI.K (920421104075), MAHARANJITHAM.S (920421104056) & NIRANCHANA SHREE.S. R (920421104065)" who carried out the project work under my supervision.

.

SIGNATURE

Dr. A. MEENAKSHI,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

, 00-13014124

SIGNATURE Mrs. B. SANTHI PRIYA,M.E., Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

Horalda

INTERNAL EXAMINER

EXTERNAL EX

# HOME AUTOMATION SYSTEM

## A MINI PROJECT REPORT (CS2352 & Mini Project) Submitted by

# GANNIGAA S (920421104022) HARSHINA SRI M G (920421104028) MADHURAM S (920421104054)

# in partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



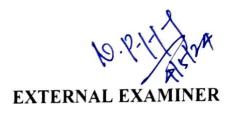
DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

## BONAFIDE CERTIFICATE

Certified that the project report "HOME AUTOMATION SYSTEM" is the bonafide work of "GANNIGAA. S (920421104022), HARSHINA SRI. M. G (920421104028) & MADHURAM. S (920421104054)" who carried out the project work under my supervision.

al

SIGNATURE Dr. A. MEENAKSHI Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701. K.Multu SIGNATURE Mrs. K. MUTHULAKSHMI Project Guide, AP- CSE, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.



INTERNAL EXAMINER F.16.1

# **ONLINE VEGETABLE SHOPPING**

#### A MINI PROJECT REPORT

## CS2352 & Mini Project

Submitted by

#### PERUMAL V (920421UCS094)

## KAMALAKANNAN G (920421UCS047)

#### BARATH R (920421UCS074)

In partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### COMPUTER SCIENCE AND ENGINEERING



#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai)

#### K. VELLAKULAM, VIRUDHUNAGAR - 625 701 APRIL 2024

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution- Affiliated to Anna University, Chennai) K. VELLAKULAM, VIRUDHUNAGAR – 625 701 BONAFIDE CERTIFICATE

Certified that the project report "ONLINE VEGETABLE SHOPPING" is the Bonafide work of "PERUMAL V(920421UCS094), KAMALAKANNAN G(920421UCS047) & BARATH R(920421UCS074)" who carried out the project under my supervision.

Monal

SIGNATURE Dr. A. Meenakshi, M.E., Ph. D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 625 701.

Acy rign

INTERNAL EXAMINER

R. M. SIGNATURE

Dr.R.Muthuselvi M. E., Ph. D.,

Guide,

Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar - 625 701.

EXTERNA

#### SMART IRRIGATION SYSTEM WITH FERTILIZER MANAGEMENT

#### A MINI PROJECT REPORT (CS2352 & Mini Project) Submitted by

#### **THANUSHIYA S (920421104106)**

#### KIRUTHIKA S (920421104047)

DHIVYA G (920421104020)

In partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 626001

# BONAFIDE CERTIFICATE

Certified that the project report "SMART IRRIGATION SYSTEM WITH FERTILIZER MANAGEMENT" the bonafide work of "THANUSHIYA S (920421104106), KIRUTHIKA S (920421104047) & DHIVYA G (920421104020)" who carried out the project work under my supervision.

al

SIGNATURE Dr. A. MEENAKSHI,M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 626001.

Hundred

INTERNAL EXAMINER

& Indranding. SIGNATURE

Mrs. K.INDUMATHI,M.E.,

Supervisor,

Assistant Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg&Tech

K.Vellakulam,

Virudhunagar - 626001.

EXTERNAL EXAMINER

## **REAL-TIME FIRE DETECTION USING MACHINE LEARNING**

#### A MINI PROJECT REPORT

#### CS2352 & MINI PROJECT

Submitted by

MUKESH N (920421104062) VIGNESH KUMARAN A (920421104110) SHEIK ABDULLAH R (920421104092)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

## BONAFIDE CERTIFICATE

Certified that the project report "REAL-TIME FIRE DETECTION USING MACHINE LEARNING" is the bonafide work of "MUKESH N (920421104062) &VIGNESH KUMARAN A (920421104110) & SHEIK ABDULLAH (920421104092) who carried out the project work under my supervision.

R. M. M

SIGNATURE Dr. A. MEENAKSHI,M.E.,Ph.D.,

/ Head of The Department,

Professor,

Dep. of Computer Science and

Engineering,

Kamaraj College of Engg & Tech,

K. Vellakulam,

Virudhunagar - 625701.

Gi. nd

SIGNATURE Dr.G.MAHALAKSHMI,M.E,.Ph.D, Supervisor, Assistant Professor, Dep. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K. Vellakulam, Virudhunagar – 625701.

fter vistor INTERNAL EXAMINER

EXTERNAL EXAMINER

# HOSTEL STUDENT MONITORING SYSTEM USING FACE RECOGNITION

#### A MINI PROJECT REPORT CS 2352 & MINI PROJECT

Submitted by

SIVA K (920421104096) SAKTHISHIVASANKAR K (920421104085) NITHIS BANGARU B (920421104067)

in partial fulfillment for the award of the degree

of

#### BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701 APRIL 2024

#### **BONAFIDE CERTIFICATE**

Certified that the project report "HOSTEL STUDENT MONITORING SYSTEM USING FACE RECOGNITION" is the bonafide work of "SIVA K (920421104096), SAKTHISHIVASANKAR K (920421104085) & NITHIS BANGARU B (920421104067) who carried out the project work under my supervision.

Howar

SIGNATURE Dr. A.MEENAKSHI, Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. & Tech., K.Vellakulam Virudhunagar - 625701. SIGNATURE Dr. P.PRAVEEN KUMAR, Ph.D., Supervisor, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. & Tech., K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

**EXTERNAL EXAMINER** 

### **BRAIN TUMOR DETECTION USING DEEP LEARNING**

#### **A MINI PROJECT REPORT**

(CS2352 & Mini Project)

Submitted by

#### ASATH SUGAINA A (920421104008)

#### ILAKKIYA M (920421104030)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### BONAFIDE CERTIFICATE

Certified that the project report "BRAIN TUMOR DETECTION USING DEEP LEARNING" is the bonafide work of "A.ASATH SUGAINA (920421104008) & M.ILAKKIYA (920421104030)"who carried out the project work under my supervision.

aleval

SIGNATURE Dr. A. MEENAKSHI, M.E, Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

ffortai 612 **INTERNAL EXAMINER** 

SIGNATURE MRS. S. NITHYA, M.E, (Ph.D) SUPERVISOR, Assistant Professor, Dept. of Artificial Intelligence and Data Science, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXAMINER

F.16.1

		through E-Commerce	KAVIYA.K	920421104042	21UCS108		20.
FN	Dr C Mahalahahat	Empowering Farmers	SURYA.A	920421104103	21UCS071	B7	19.
03-05-2024			SWATHI.R	920421104104	210CS049		10.
			BABYPREETHI.M.S	920421104012	21UCS072		10
FN	Dr.R.Muthuselvi	Career Guidance for students	BHARATHY.S	920421104017	21UCS040	86	10.
03-05-2024			JEMIMA.K	920421104034	21UCS095	R	15.
FN	Dr.A.Anandh	Dialition Frice Prediction	THIRISHA.M	920421104107	21UCS042		14.
03-05-2024		Diamond Duino Dualiation	MAGATHI LAKSHMI.K	920421104055	21UCS057	BS	13.
			KEERTHANA.M	920421104045	21UCS021		12.
FN	Mr.V.Rajeshkannan	Study Buddy Bot	KAYALVIZHI.R	920421104044	21UCS011	134	11.
03-05-2024			SAMSITHA.P.P	920421104086	21UCS110	2	10,
		FIEBIUTI MOITIEIT	ABIRAMI.V	920421104005	21UCS002	1	9.
FN	Mr.D.Asir	r harmacy Management for	ROOPA.S	920421104083	21UCS097	83	, x
03-05-2024		Dhamman Management for	RUTHICK SREE.S	920421104084	21UCS060	3	1.
		•	VIDHYA.S	920421104109	21UCS033		6
FN	Dr.U.Kumaran	Food Waste Management	KRITHIKADEVI.U	920421104052	21UCS093	B2	5.
03-05-2024			ASWINI.R	920421104011	21UCS076	1	4
FN	ļ	Machille Learning	SANGEETHA.K	920421104087	21UCS048		
03-05-2024	Mr.M.Rajasekaran	r lacement Analysis using	ASWINI.M	920421104010	21UCS050	B1	2.
			NITHYA SRI.M	920421104068	21UCS009		].
Date/Time	Guide Name	Project Title	Name	Reg. No.	Roll No.	No.	S.No.
		VIVA SCHEDULE (DUTCH HIVCHING)					

Allontinn

VIVA SCHEDIII E PANT

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Venue : Conference Hall - II Class/Semester : III CSE B / VI Department of Computer Science and Engineering B.E. SEM PRACTICAL EXAMINATIONS - APRIL 2024

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

ENGINEERING

0

TECHNOLOGY

3

Date: 03.5.2024 Lab Code & Name:CS2352 & Mini Project

Time: FN - 9.30 AM to 12.30 PM ,AN - 12.45 PM - 03.45 PM

AN	Dr.A.Meenakshi	an Intelligent Recipe Recommendation	HARI PRASATH.C	920421104025	21UCS075	817	49.	
03-05-2024		Flavors of Choice: Crafting	AAKAASH KUMAR.M	920421104001	21UCS065	5	48.	
		DIOCK CHAIN	MOHANA PRAKASH.G	920421104061	21UCS104		47.	
AN	Dr.G.Umamaheswari	Block chain	BALAJI.J	920421104013	21UCS064	B16	46.	
03-05-2024		E Wating System using	ARUN KUMAR.S	920421104302	21UCS126		45.	
			VIGNESH.S	920421104113	21UCS045		44.	
AN	Mrs.S.Athilakshmi	Organ Donation App	PAVITHRAN.R	920421104069	21UCS026	B15	43.	
03-05-2024			SANJAY KUMAR.K	920421104089	21UCS029		42.	
	2		PRUTHIVIRAJ.M	920421104077	21UCS089		41.	
AN	Dr.R.Ramya	Online Market Place	DINESH.S	920421104021	21UCS107	B14	40.	
03-05-2024			VIGNESH.R	920421104111	21UCS087		39.	
		Ivialiagement	BARATH DAVID.S.R	920421104015	21UCS001		38.	
AN	Mr.R. Kumaravel	Management	VISHWESHWARAN.E	920421104117	21UCS030	B13	37.	
03-05-2024		Ilrhan Dectaurant Ecod	LITHIN.X	920421104053	21UCS059		36.	
			SARAVANAN.K	920421104090	21UCS100		35.	
AN	Mrs.V.Sangeetha	Home Service Application	RAJA ASWIN.T	920421104079	21UCS102	B12	34.	
100 20 20			JOHN RATHINAM.V	920421104036	21UCS003		33.	
			HARIHARAN.R	920421104027	21UCS031		32.	
FN	Mrs.S.Nithya	Clowd Fuliding - Block	DHANASEKARAN.M	920421104019	21UCS019	B11	31.	
03-05-2024		Crowd Eunding Block	KATHIRVEL.A	920421104041	21UCS056		30.	
		Recognition System	SRI SHARAN PRAKASH.S	920421104099	21UCS063		29.	-
FN	Dr.P.Praveen Kumar	Vehicle Number Plate	ARUL KUMARAN.S	920421104006	21UCS109	B10	28.	
03-05-2024			JABEZ JERIN.J	920421104031	21UCS088		27.	
			SHYAM SREERAM.N	920421104095	21UCS070		26.	
FN	Mr.J.John Livingston	LPG Gas Leakage Detector	MANOJKUMAR.R	920421104058	21UCS103	В9	25.	
03-05-2024			KESAVAN.R	920421104046	21UCS086		24.	
		Expert Mentorship	ASHIKA DEULIN.J	920421104009	21UCS055		23.	
FN	IVIIS.S.IVIUIYa	Empowering Students with	KAVYA SRI VAIPAVA.S	920421104043	21UCS099	B8	22.	
03-05-2024	Mrs C Nithan	Skill Mentor App-	PRIYADHARSHINI.R	920421104076	21UCS105		21.	

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) OLLEGE OF ENGINEERING & TECHNOLOGY

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR). S.P.G.Chidambara Nadar - C.Nagammal Campus

3

OLLEGE OF ENGINEERING 2 TECHNOLO GY

0

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI) S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

63	60. 61. 62.			59.	58.	57.	56.	55.	54.	20.	3	52.	51.	50.
	B21			<b>B</b> 20				B19			B18			
21UCS078	21UCS036	21UCS037	21UCS092	21UCS032 21UCS027		21UCS007	21UCS123	21UCS117	21003113	211102112	21UCS039	21UCS058	21UCS073	
920421104002	920421104102 SUNIL.P	920421104057	920421104074	920421104039		920421104112	920421104072 PRABHU.B	920421104307	920421104101	920421104090	000101101000	920421104035	920421104100	920421104094 SHIYAM.A
21UCS078   920421104002   AAKASH KUMAR.B	SUNIL.P	920421104057 MANIKANDAN.V	PRAKASH.A	VIGNESH.S KARSHAN VICTOR JOSH.T		PRABHU.B	920421104101 SUGANESAN.D 920421104307 VASUDEVAN.M.R 920421104072 PRABHU.B		THENNAVAN.S	JESWANTH.S SOBANRAJ THENNAVAN.S		SRIRAM RATHINAVEL.P	SHIYAM.A	
	Tamilnadu Tourism			Smart Budget Calculator				Smart Agriculture System				Recommendation Framework		
Mrs.E.Vijayalakshmi				Dr.G.Nirmala				Mr.B.Muthukrishna Vinayagam			Kumar			
03-05-2024 AN				03-05-2024 AN				03-05-2024 AN			03-05-2024 AN			

Signature of the Coordinators

Signature of the Head of the Department

Munar

# PLACEMENT ANALYSIS USING MACHINE LEARNING

#### MINI PROJECT REPORT

Submitted by

### NITHYA SRI M (21UCS009)

#### SANGEETHA K (21UCS048)

#### ASWINI M (21UCS050)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR – 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "PLACEMENT ANALYSIS USING MACHINE LEARNING" is the bonafide work of "NITHYA SRI M(21UCS009), SANGEETHA K (21UCS048) & ASWINI M (21UCS050)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E,Ph.D.., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701

SIGNATURE Mr.M.RAJASEKARAN, M.E,(Ph.D),

#### SUPERVISOR,

Assistant Professor Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.



EXTER EXAMINER

## FOOD WASTE MANAGEMENT

### A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by KRITHIKA DEVI U (21UCS093)

### ASWINI R (21UCS076)

### VIDHYA S (21UCS033)

In partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

## COMPUTER SCIENCE ANDENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701 APRIL 2024

F.16.1

# KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution- Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR - 625701

# **BONAFIDE CERTIFICATE**

Certified that the project report "FOOD WASTE MANAGEMENT "is the bonafide work

of "U.KRITHIKA DEVI (21UCS093), S.VIDHYA (21UCS033) & R.ASWINI

(21UCS076)" who carried out the project work under my supervision.

SIGNATURE

Dr. A. MEENAKSHI ,M.E, Ph. D,

Head of the Department,

Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam,

Virudhunagar - 625701.

INTERNA NER

SIGNATURE

Dr.U.Kumaran., Ph.D,

SUPERVISOR,

Associate Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg&Tech,

K.Vellakulam,

Virudhunagar - 625701.



F.16.1

#### PHARMACY MANAGEMENT FOR PREGNANT WOMEN

#### MINI PROJECT REPORT

(CS2352 & Mini Project)

## Submitted by RUTHICK SREE S(920421104084) ROOPA S (920421104083) ABIRAMI V(920421104005)

in partial fulfillment for the award of the degree of

## BACHELOR OF ENGINEERING IN

#### **COMPUTER SCIENCE ANDENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "PHARMACY MANAGEMENT FOR PREGNANT WOMEN "is the bonafide work of "S.RUTHICK SREE (920421104084),S.ROOPA (920421104083) & V.ABIRAMI(920421104083)" who carried out the project work under my supervision.

var

SIGNATURE Dr. A. MEENAKSHI, M.E, Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

SIGN/ATURE

Mr.D.Asir,M.Tech SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER F.16.1



## **STUDY BUDDY BOT**

#### MINI PROJECT REPORT

Submitted by

# KEERTHANA M(920421104045) SAMSITHA P P(920421104086) KAYAL VIZHI R(920421104044)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "STUDY BUDDY BOT "is the bonafide work of

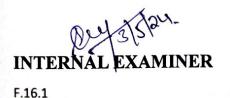
"M.KEERTHANA(920421104045), P.P.SAMSITHA(920421104086) & R.KAYAL VIZHI(920421104044)" who carried out the project work under my supervision.

al

SIGNATURE Dr. A. MEENAKSHI M.E,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.



Mr.V.Rajeshkannan M.E SUPERVISOR, Assistant Professor Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.





# A DIAMOND PRICE PREDICTION

### MINI PROJECT REPORT

(CS2352 & Mini project)

Submitted by

# THIRISHA M (920421104107) MAGATHI LAKSHMI K (920421104055)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

### COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR – 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "DIAMOND PRICE PREDICTION" is the bonafide work of "THIRISHA.M (920421104107) & MAGATHI LAKSHMI.K (920421104055)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E.,Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

And

SIGNATURE Dr.A.ANANDH,M.E,MBA.,Ph.D., Project Guide, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

EXAMINER EXT

F.16.1

# A WEB BASED CAREER GUIDANCE

## A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by

JEMIMA K (920421104034) BHARATHY S (920421104017) BABYPREETHI M S (920421104012)

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K. VELLAKULAM , VIRUDHUNAGAR - 625701 APRIL 2024

# BONAFIDE CERTIFICATE

Certified that the project report "A WEBBASED CAREER GUIDANCE" is the bonafide work of "JEMIMA.K (920421104034), BHARATHY.S (920421104017) & BABYPREETHI M.S (920421104012)" who carried out the project work under

my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E,Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

MINER INTER

R . M. SIGNATURE SIGNATURE Dr.R.MUTHUSELVI, M.E,Ph.D Project Guide, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

EXTER

F.16.1

#### **EMPOWERING FARMERS THROUGH**

#### **E-COMMERCE**

#### MINI PROJECT REPORT (CS2352) Submitted by

#### SWATHI R (920421104104)

#### SURYA A(920421104103)

#### KAVIYA K(920421104042)

#### in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

#### IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "EMPOWERING FARMERS THROUGH E-COMMERCE" is the bonafide work of "SWATHI R (920421104104), SURYA A (920421104103), KAVIYA K (920421104042)" who carried out the project work under my supervision.

onal

SIGNATURE Dr. A. MEENAKSHI, M.E,Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

Gn.

SIGNATURE Dr.G.MAHALAKSHMI, M.E,Ph.D Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER



# SKILL MENTOR APP (EMPOWERING STUDENTS WITH EXPERT MENTORSHIP)

A MINI PROJECT REPORT (CS2352 & Mini Project) *Submitted by* ASHIKA DEULIN J (920421104009) KAVYA SRI VAIPAVA S (920421104043)

#### PRIYADHARSHINI R (920421104076)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "SKILL MENTOR APP (EMPOWERING STUDENTS WITH EXPERT MENTORSHIP)" is the bonafide work of "ASHIKA DEULIN J (920421104009), KAVYA SRI VAIPAVA S (920421104043) & PRIYADHARSHINI R (920421104076)" who carried out the

project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E, Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

SIGNATURE

Mrs. S. NITHYA, M.E, Ph.D., SUPERVISOR, Assistant Professor, Dept. of Computer Science and

Engineering,

Kamaraj College of Engg & Tech

K.Vellakulam,

Virudhunagar - 625701.

EXTERNAL EXAMI

Auf 3524 INTERNAL EXAMINER

F.16.1

### LPG GAS LEAKAGE DETECTOR

#### A MINI PROJECT REPORT (CS2352 & MINI PROJECT)

Submitted by

#### **KESAVAN R (920421104046)**

### MANOJ KUMAR R (920421104058)

## SHYAM SREERAM N (920421104095)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

## COMPUTER SCIENCE ANDENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### BONAFIDE CERTIFICATE

Certified that the project report "LPG GAS LEAKAGE DETECTOR" is the bonafide work of "KESAVAN R (920421104046), MANOJKUMAR R (920421104058), SHYAM SREERAM N (920421104095)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI ,M.E, Ph. D, Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

SIGNATUŘE Mr. J. JOHN LIVINGSTON,M.TECH SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech, K.Vellakulam,

Virudhunagar - 625701.

EXTERNAL EXAMINER

INTERNAL EXAMINER

F.16.1

#### VEHICLE NUMBER PLATE RECOGNITION SYSTEM

#### A MINI PROJECT REPORT

Submitted by

### SRI SHARAN PRAKASH S (920421104099)

#### ARUL KUMARAN S (920421104006)

### JABEZ JERIN J (920421104031)

in partial fulfillment for the award of the degree of

## **BACHELOR OF ENGINEERING**

IN

COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR – 625701 APRIL 2024

#### BONAFIDE CERTIFICATE

Certified that the project report VEHICLE NUMBER PLATE RECOGNITION SYSTEM is the bonafide work of S.SRI SHARAN PRAKASH (920421104099), S.ARUL KUMARAN (920421104006) & JABEZ JERIN J (920421104031) who carried out the project work under my supervision.

SIGNATURE Dr. A. Meenakshi, Ph.d. Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. and Tech., K.Vellakulam, Virudhunagar - 625701.



SIGNATURE Dr.P.Praveen Kumar, Phy Supervisor, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg. and Tech., K.Vellakulam, Virudhunagar - 625701.



ii

## **CROWDFUND USING BLOCKCHAIN**

#### MINI PROJECT REPORT

#### (CS2352 & MINIPROJECT)

Submitted by

# KATHIRVEL A (920421104041)

### DHANASEKARAN M (920421104019)

### HARI HARAN R (920421104027)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE ANDENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "CROWDFUND USING BLOCKCHAIN" is the bonafide work of "A.KATHIRVEL (920421104041) M.DHANASEKARAN (920421104019) & R.HARI HARAN (920421104027)" who carried out the project work under my supervision.

nal

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D.,

Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

OUY 21 5124 SIGNATURE

MRS. S. NITHYA M.E., M.B.A.,

(Ph.D)., SUPERVISOR,

Assistant Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg&Tech

K.Vellakulam,

Virudhunagar - 625701.



F.16.1

# HOME SERVICE APPLICATION

## MINI PROJECT REPORT

Submitted by

# RAJA ASWIN T 920421104079 SARAVANANA K 920421104090 JOHN RATHINAM V 920421104036

in partial fulfillment for the award of the degree of

# **BACHELOR OF ENGINEERING**

IN

# COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

## BONAFIDE CERTIFICATE

Certified that the project report "HOME SERVICE APPLICATION" is the bonafide work of "T.RAJA ASWIN (920421104079), K.SARAVANANA (920421104090) & V.JOHN RATHINAM (920421104036)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI Head of the Department, Professor, Dept. of Computer Science and Engineering Kamaraj College of Engineering and Technology K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

SIGNATURE SIGNATURE Mrs. V. SANGEETHA, M.Tech SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering Kamaraj College of Engineering and Technology K.Vellakulam, Virudhunagar - 625701.



## **URBAN RESTAURANT FOOD MANAGEMENT**

#### **A MINI PROJECT REPORT**

(CS2352 & Mini Project)

Submitted by

#### **BARATH DAVID S R (920421104015)**

#### **VISHWESWARAN E (920421104117)**

#### LITHIN X (920421104053)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K. VELLAKULAM , VIRUDHUNAGAR - 625701 APRIL 2024

#### **BONAFIDE CERTIFICATE**

Certified that the project report "URBAN RESTAURENT FOOD MANAGEMENT" is the bonafide work of "BARATH DAVID S R (920421104015), VISHWESWARAN E (920421104117) & LITHIN X (920421104053)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E,Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXA

efm 02/05/2024

SIGNATURE Mr. R. KUMARAVEL, AP/CSE SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech,

K.Vellakulam,

Virudhunagar - 625701.

EXTERNÁL EXAMINER

### **ONLINE MARKET PLACE**

#### MINI PROJECT REPORT

#### Submitted by

#### VIGNESH R(920421104111)

#### DINESH S(920421104021)

### PRUTHIVIRAJ M(920421104077)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE ANDENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "ONLINE MARKET PLACE" is the bonafide work of "VIGNESH R(920421104111), DINESH S(920421104021)& PRUTHIVIRAJ M(920421104077)" who carried out the project work under my supervision.

nal

SIGNATURE Dr. A. MEENAKSHI Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.

SIG **DR.R.RAMYA** SUPERVISOR, Associate Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.



EXTE

# ORGAN WINGS APPLICATION

### A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by

# SANJAY KUMAR K (920421104089) PAVITHRAN R (920421104069) VIGNESH S (920421104113)

In partial fulfillment for the award of the degree of

**BACHELOR OF ENGINEERING** 

IN

**COMPUTER SCIENCE ANDENGINEERING** 



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "ORGAN WINGS APPLICATION" is the bonafide work of "R.PAVITHRAN (920421104069) & K.SANJAY KUMAR (920421104089) & S.VIGNESH (920421104113)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg.& Tech., K.Vellakulam, Virudhunagar - 625701.

INTERNAL EXAMINER

SIGNATURE S.ATHILAKSHMI, M.E., (Ph.D.), Supervisor, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg.&Tech., K.Vellakulam, Virudhunagar - 625701.

**EXTERNAL EXAMINER** 

F.16.1

### **E-VOTING SYSTEM USING BLOCKCHAIN**

#### MINI PROJECT REPORT

#### (CS2352 & MINIPROJECT)

Submitted by

#### **MOHANA PRAKASH G(920421104061)**

#### BALAJI J(920421104013)

#### ARUN KUMAR S(920421104302)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report "E-VOTING SYSTEM USING BLOCKCHAIN" is the bonafide work of "G.MOHANA PRAKASH (920421104061), J.BALAJI (920421104013) & S.ARUNKUMAR (920421104302)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI M.E.,Ph.D.,

Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.



SIGNATURE

Dr.G.UMA MAHESWARI M.E.,Ph.d., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

EXTERNAL EXAMINER

# FLAVORS OF CHOICE: CRAFTING AN INTELLIGENT RECIPE RECOMMENDATION FRAMEWORK

MINI PROJECT REPORT

Submitted by

### AAKAASH KUMAR M (920421104001)

#### SHIYAM A (920421104094)

#### HARI PRASATH C (920421104025)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE ANDENGINEERING** 



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

Certified that the project report "FLAVORS OF CHOICE: CRAFTING AN INTELLIGENT RECIPE RECOMMENDATION FRAMEWORK" is the bonafide work of "M.AAKAASH KUMAR (920421104001), A.SHIYAM (920421104094)& C.HARI PRASATH (920421104025)" who carried out the

project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI , M.E.,Ph.D Head of the Department Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.



enal

EXTERN

SIGNATURE Dr.A.MEENAKSHI, M.E.,Ph.D Head of the Department Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

MINER

### **SMART CRADLE SYSTEM**

#### MINI PROJECT REPORT

Submitted by

# SRIRAM RATHINAVEL P (920421104100) SOBANRAJ THENNAVAN S (920421104098) JESWANTH S (920421104035)

in partial fulfillment for the award of the degree of

### **BACHELOR OF ENGINEERING**

IN

### **COMPUTER SCIENCE ANDENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

**APRIL 2024** 

F.16.1

#### **BONAFIDE CERTIFICATE**

Certified that the project report "SMART CRADLE SYSTEM" is the bonafide work of "SRIRAM RATHINAVEL P (920421104100) & SOBANRAJ THENNAVAN S (920421104098) & JESWANTH S (920421104035)" who carried out the project work under my supervision.

SIGNATURE Dr. A. MEENAKSHI,M.E.,Ph.D Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K .Vellakulam, Virudhunagar - 625701.

MR.G.PRAVEEN KUMAR,M.E Supervisor, Asstitant professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg & Tech, K .Vellakulam, Virudhunagar - 625701.

( 73/5/24 INTERNAL EXAMINER

EXTERNA

F.16.1

SMART AGRICULTURE SYSTEM

#### USING IOT

#### A MINI PROJECT REPORT

(CS2352 & Mini Project)

Submitted by

## PRABHU B (920421104072)

# VASUDEVAN M R (920421104307)

# SUGANESAN D (920421104101)

in partial fulfilment for the award of the degree of

# BACHELOR OF ENGINEERING

IN

# COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution - Affiliated to Anna University, Chennai)

K.VELLAKULAM, VIRUDHUNAGAR – 625701

#### KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution- Affiliated to Anna University, Chennai)

#### K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report **"SMART AGRICULTURE SYSTEM USING IOT"** the bonafide work of **"PRABHU B (920421104072), VASUDEVAN M R** (920421104307) & SUGANESAN D (920421104101)" who carried out the project

work under my supervision.

SIGNATURE

Dr. A. MEENAKSHI M.E, Ph.D.,

Head of the Department,

Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg& Tech,

K.Vellakulam,

Virudhunagar - 625701.

INTERN

SIGNATURE

MR.B.MUTHUKRISHANA VINAYAGAM,M.E, **Supervisor,** Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.



### **SMART BUDGET CALCULATION**

#### MINI PROJECT REPORT

Submitted by

### KARSHAN VICTOR JOSH T (920421104039)

#### VIGNESH S (920421104112)

#### PRAKASH A (920421104074)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE ANDENGINEERING**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

#### **BONAFIDE CERTIFICATE**

Certified that the project report SMART BUDGET CALCULATION is the bonafide work of KARSHAN VICTOR JOSH T (920421104039), VIGNESH (920421104112), PRAKASH A (920421104074) who carried out the project work under my supervision.

R. Mr

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.



Dr. G. Nirmala, M.E., Ph.D., SUPERVISOR, Assistant Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg&Tech K.Vellakulam, Virudhunagar - 625701.

NP-17-415/24 EXTERNAL EXAMINER

### **TAMILNADU TOURISM – TRIP EXPO**

#### MINI PROJECT REPORT

#### (CS2352 & MINIPROJECT)

Submitted by

# AAKASH KUMAR B (920421104002) MANIKANADAN V (920421104057) SUNIL P (920421104102)

in partial fulfillment for the award of the degree of

#### **BACHELOR OF ENGINEERING**

IN

#### **COMPUTER SCIENCE AND ENGINEERING**



DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (An Autonomous Institution - Affiliated to Anna University, Chennai) K.VELLAKULAM, VIRUDHUNAGAR - 625701

### **BONAFIDE CERTIFICATE**

ertified that the project report **"TAMILNADU TOURISM – TRIP EXPO"** is the mafide work of **"AAKASH KUMAR B (920421104002), MANIKANADAN V 20421104057) & SUNIL P (920421104102)"** who carried out the project work der my supervision.

SIGNATURE Dr. A. MEENAKSHI, M.E., Ph.D., Head of the Department, Professor, Dept. of Computer Science and Engineering, Kamaraj College of Engg& Tech, K.Vellakulam, Virudhunagar - 625701.



SIGNATURE

MRS. E. VIJAYALAKSHMI M.E,

Supervisor,

Assistant Professor,

Dept. of Computer Science and

Engineering,

Kamaraj College of Engg&Tech

K.Vellakulam,

Virudhunagar - 625701.

EXTER