Indra Ganesan
COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL
INDRA GANESAN COLLEGE OF ENGINEERING

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IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620 012

TO WHOMSOEVER IT MAY CONCERN

This is to certify that 411 number of students undertaking Project Work/Internship for the latest completed academic year (2022 – 2023)

AY	Name of Program	Year	Enrolled	Internship	Mini Project	Project	Total
2022 -2023	Civil	I	NA	NA	NA	NA	9
		II	NA	NA	NA	NA	
		III	9	9	-	-	
		IV	NA	NA	NA	NA	
	CSE	I	52	-	-	-	90
		II	36	36	-	-	
		III	30	30	30	-	
		IV	24	24	-	24	
	EEE	I	6	-	-	-	33
		II	4	4	-	-	
		III	20	19	19		
		IV	10	10	-	10	
	ECE	I	37	-	-	-	48
		II	14	14	-	-	
		III	23	21	-	-	
		IV	13	13		13	
	MECH	I	6	-	-	-	48
		II	5	5	-	-	
		III	26	26	-	-	
		IV	17	17	-	17	
	IT	I	59	-	-	-	100
		II	40	38	-	-	
		III	42	42	42	-	
		IV	20	20	-	20	
	AGRI	I	44	-	-	-	14
		II	15	14	-	-	
	AI&DS	I	41	-	-	-	7
		II	7	7	-	-	
	MBA	I	23	23	-	-	59
		II	42	-	-	36	
	ME CSE	I	1	-	-	-	2
		II	2	-	-	2	
	ME VLSI	I	1	-	-	-	1
		II	1	-	-	1	
			670	372	91	123	411

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Criteria 1	Curricular Aspects	100

Key Indicator – 1.3 Curriculum Enrichment

1.3.2 - Table of Content for number of students undertaking Mini Project Work

S. No	Department	No. of Students	Page Number
1	CSE	30	4-21
2	EEE	19	22-35
3	IT	42	36-83
Total		91	

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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NAAC Accredited, 2(F) Status Institution by UGC

Department of Computer Science and Engineering
ACADEMIC YEAR 2022 – 2023

Problem Solving Method – Mini Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning
1	811220104002	Akshaya T	III / VI	Crime Vision: Advanced Crime Classification with Deep Learning	PROBLEM SOLVING METHOD – MINI PROJECT
	811220104007	Ayisha Siddeequa A			
	811220104031	Monisha R			
	811220104043	Sneka R			
2	811220104004	Appas Ali.D	III / VI	AI enabled Car Parking using OpenCV	
	811220104015	Divyakeerthan P			
	811220104051	Vinith Roshan A			
	811220104052	Yuvaraj M			
3	811220104008	Benasir S	III / VI	Smart Billing System for Water Suppliers	
	811220104012	Cibina S			
	811220104014	Dhivyadharshini A			
	811220104027	Kiruthika M			
4	811220104005	Aravindh V K	III / VI	Cancer Vision: Advanced Breast Cancer Prediction with Deep Learning	
	811220104017	Gnanaprakasam A			
	811220104018	Gowrisankar G			
	811220104029	Mathavan N			
5	811220104013	Devi K	III / VI	Drowsiness Detection and Alerting System	
	811220104024	Kamali A			
	811220104048	Swarnambigai V			
	811220104053	Yuvasri S			

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Indra Ganesan
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NAAC Accredited, 2(F) Status Institution by UGC

Department of Computer Science and Engineering

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning
6	811220104016	Gayathri P	III / VI	Intelligent People and Vehicle Counting System for Secretariat	
	811220104025	Kamatchi S			
	811220104301	Santhosh Kumar			
7	811220104032	Priya P	III / VI	Facial Emotion Detection System	PROBLEM SOLVING METHOD – MINI PROJECT
	811220104033	Priyadharshini G			
	811220104039	Sathya Priya N			
	811220104041	Sivaranjini M			
8	811220104019	Hariharan K	III / VI	Covid Vision: Advanced COVID - 19 Detection from Lung X-rays with Deep Learning	
	811220104046	Sumithira R			
	811220104050	Thirumavalavan			

HOD/CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
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COVID VISION: ADVANCED COVID-19 DETECTION WITH LUNG X-RAY FROM DEEP LEARNING

A PROJECT REPORT

Submitted by

HARIHARAN K	**811220104019**
SUMITHIRA R	**811220104046**
THIRUMAVALAVAN K	**811220104050**

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY

ANNA UNIVERSITY: CHENNAI 600025

MAY 2023

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BONAFIDE CERTIFICATE

Certified that this project report"**COVID VISION: ADVANCED COVID-19 DETECTION WITH LUNG X-RAY FROMMACHINE LEARNING OR DEEP LEARNING**"is the bonafide work of **HARIHARAN K(811220104019), SUMITHIRA R(811220104046), THIRUMAVALAVAN K(811220104050)** who carried out the project under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

SMART BILLING SYSTEM FOR WATER SUPPLIERS USING IOT

A PROJECT REPORT

Submitted by

ARAVINDH VK	**811220104005**
GNANA PRAKASAM A	**811220104017**
GOWRI SANKAR G	**811220104018**
MATHAVAN N	**811220104029**

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i

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INTERNAL EXAMINER 3|6|23

EXTERNAL EXAMINER 3|6|23

ii

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CANCER VISION: ADVANCED BREASTCANCER PREDICTION USING DEEP LEARNING

A PROJECT REPORT

Submitted by

BENASIR S	**811220104008**
CIBINA S	**811220104012**
DIVYA DHARSHINI A	**811220104014**
KIRUTHIKA M	**811220104027**

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Certified that this project report **"CANCER VISION: ADVANCED BREAST CANCER PREDICTION WITH DEEP LEARNING"** is the bonafide work of **BENASIR S (811219104008), CIBINA S (811220104012), DIVYA DHARSHINI A (811220104014), KIRUTHIKA M (811220104027)** who carried out the project under my supervision.

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IOT BASED DROWSINESS DETECTION
AND ALERTING SYSTEM

A PROJECT REPORT

Submitted by

DEVI K	**811220104013**
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SWARNAMBIGAI V	**811220104048**
YUVASRI S	**811220104053**

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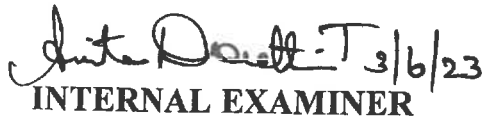
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INTERNAL EXAMINER

EXTERNAL EXAMINER

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FACIAL EMOTION DETECTION SYSTEM

A PROJECT REPORT

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PRIYADHARSHINI G   811220104033

SATHYAPRIYA N   811220104039

SIVARANJANI M   811220104041

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Certified that this project report "EMOTION DETECTION SYSTEM" is the bonafide work of **PRIYA P (811220104032) PRIYADHARSHINI G (811220104033) SATHYAPRIYA P (811220104032) SIVARANJINI M (811220104041)** who carried out the project under my supervision.
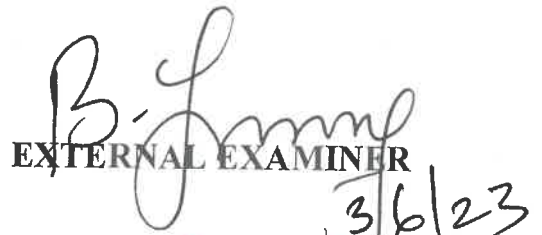
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EXTERNAL EXAMINER

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CRIME VISION – ADVANCED CRIME

CLASSFICATION WITH DEEP LEARNING

A PROJECT REPORT

Submitted by

AKSHAYA T	**811220104002**
AYISHA SIDDEEQUA A	**811220104007**
MONISHA R	**811220104031**
SNEKA R	**811220104043**

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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report **"CRIME VISION- ADVANCED CRIME CLASSFICATION WITH DEEP LEARNING"** is the bonafide work of **AKSHAYA T (811220104002), AYISHA SIDDEEQUA A (811220104007), MONISHA R (811220104031), SNEKA R (811220104043)** who carried out the Project under my supervision.

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INTERNAL EXAMINER

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AI ENABLED CAR PARKING USING OPENCV

A PROJECT REPORT

Submitted by

APPAS ALI D	811220104004
DIVYAKEERTHAN P	811220104015
VINITH ROSHANA	811220104051
YUVARAJ M	811220104052

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HEAD OF THE DEPARTMENT

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Prof. A. RAMYA

SUPERVISOR

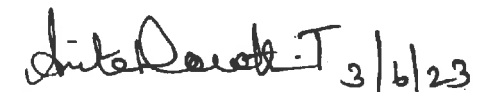Assistant Professor,

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Submitted for Anna university project Viva-voce examination held on 03/06/2023 (FN)

INTERNAL EXAMINER 3/6/23

EXTERNAL EXAMINER 3/6/23

Dr. G. Balakrishnan, M.E., Ph.D.,
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Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INTELLIGENT PEOPLE AND VEHICLE COUNTING

SYSTEM FOR SECRETARIAT IOT

A PROJECT REPORT

Submitted by

GAYATHRI P	**811220104016**
KAMATCHI S	**811220104025**
SANTHOSH KUMAR S	**811220104301**

in partial fulfillment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this Project report **"INTELLIGENT PEOPLE AND VEHICLE COUNTING SYSTEM FOR SECRETARIAT"**is the bonafide work of **"GAYATHRI P(811220104016),KAMATCHI S(811220104301),SANTHOSH KUMAR S(811220104301)"** who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

Department of Electrical and Electronics Engineering
ACADEMIC YEAR 2022 – 2023
Problem Solving Method – Mini Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning
1	811220105011	Divya	III / VI	WATER MONITORING SYSTEM IN AGRICULTURE	PROBLEM SOLVING METHOD – MINI PROJECT
	811220105013	Gayathri			
	811220105019	Latchiya			
2	811220105037	Sneka	III / VI	IOT BASED WOMEN SAFETY SYSTEM	
	811220105038	Sophiya			
	811220105301	Aarthi			
	811220105302	Divya Bharathi			
3	811220105024	Naveen	III / VI	IOT BASED TEMPRATURE AND HUMIDITY CONTROLLER	
	811220105031	Sanduru			
	811220105035	Shanmugam			
4	811220105305	Sathish Kumar	III / VI	IOT BASED TOXIC GAS DETECTION SYSTEM	
	811220105306	Thirunavukarasu			
	811220105307	Venkateshwaran			
5	811220105002	Alex	III / VI	ALERT SOUND SYSTEM FOR E VECHILE	
	811220105017	Karthik			
	811220105022	Manikandan			
6	811220105001	Abinesh	III / VI	IOT BASED SOLAR PANEL MONITORING	
	811220105006	Balamurugan			
	811220105023	Mohandoss			

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HOD/EEE

WATER MONITORING SYSTEM IN AGRICULTURE

A PROJECT REPORT

Submitted by

DIVYA.B

LATCHIYA.K

GAYATHRI.M

In partial fulfilment for the award of the degree

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BACHELOR OF ENGINEERING

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BONAFIDE CERTIFICATE

Certified that this project report " **WATER MONITORING SYSTEM IN AGRICULTURE** " is the Bonafide work of "**DIVYA.B(811220105011), LATCHIYA.K(811220105019),GAYATHRI.M(811220105013)**" who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

IOT BASED WOMEN SAFETY SYSTEM

A PROJECT REPORT

Submitted by

AARTHI.S
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SOPHIYA.K
DIVYA BHARATHI.M

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IN

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MAY-2023

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BONAFIDE CERTIFICATE

Certified that this project report "**IOT BASED WOMEN SAFETY SYSTEM**" is the bonafide work of **AARTHI.S (811220105301)**, **SNEKA.T (811220105037)**, **SOPHIYA.K (811220105038)**, **DIVYA BHARATHI.M (811220105302)** who carried out the project work under my supervision.
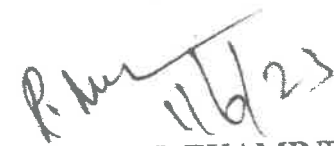
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INTERNAL EXAMINER

EXTERNAL EXAMINER

2

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Manikandam, Trichy-620 012.

IOT BASED TEMPERATURE AND HUMIDITY CONTROLLER

A PROJECT REPORT

Submitted by

NAVEEN.R

SANDURU .K

SHANMUGAM.S

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING
INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY.
ANNA UNIVERSITY: CHENNAI-600 025

MAY- 2023

Dr. G. Balakrishnan, M.E., Ph.D.,
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BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED TEMPERATURE AND HUMIDITY CONTROLLER" is the Bonafide work of "NAVEEN.R (8112201050024), SANDURU.K (8112201 05031), SHANMUGAM.S(811220105035)" who carried out the project work under my supervision.

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IOT BASED TOXIC GAS DETECTION SYSTEM

A PROJECT REPORT

Submitted by

SATHEESHKUMAR.V

VENKATESHWARAN.A

THIRUNAVUKARASU.M

In partial fulfilment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this project report **"IOT BASED TOXIC GAS DETECTION SYSTEM"** the bonafide work of **"SATHEESHKUMAR.V (811220105305), VENKATESHWARAN.A (811220105307), THIRUNAVUKARASU.M"** who carried out the project work under my supervision.

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EXTERNAL EXAMINER

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2

ALERT SOUND SYSTEM FOR E-VEHICLE

A PROJECT REPORT

Submitted by

KARTHIK.D

MANIKANDAN.K

ALEX IMMANUVEL.S

In partial fulfilment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this project report **"ALERT SOUND SYSTEM FOR E-VEHICLE"** is the bonafide work of **"KARTHIK.D (811220105017), MANIKANDAN.K (811220105022), ALEX IMMANUVEL.S (811220105002)"** who Carried out the project work under my supervision.

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INTERNAL EXAMINER

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2

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IOT BASED SOLAR PANEL MONITORING

A PROJECT REPORT

Submitted by

ABINESH.T
BALAMURUGAN.A
MOHANDOSS.S

In partial fulfilment for the award of the degree

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Certified that this project report "IOT BASED SOLAR PANEL MONITORING" is the bonafide work of "ABINESH.T (81122010500l), BALAMURUGAN.A (81122010500b), MOHANDOSS.S (811220105023)" who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

2

Department of Information Technology

ACADEMIC YEAR 2022 – 2023

Problem Solving Method – Mini Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning
1	811220205002	Aiswariya V	III / VI	Automated Attendance System Based On Face Recognition	
	811220205004	Anbazhagan S			
	811220205007	Boomika P			
2	811220205043	Sriram C	III / VI	Intelligent Garbage Classification Using Deep Learning	
	811220205027	Murugesan K			
	811220205046	Thanasekaran S			
3	811220205025	Mohanapriya K	III / VI	Deep Learning Model For Detecting Disease In Tea Leaves	PROBLEM SOLVING METHOD – MINI PROJECT
	811220205029	Pragathi R			
	811220205032	Rajeswari S			
	811220205050	Yasika A			
4	811220205014	Hariharan S	III / VI	Online E-Waste Collection System Using Web Application	
	811220205005	Balamohan R			
	811220205009	Chiranjeevi V			
	811220205011	Dinesh M			
5	811220205021	Magesh G	III / VI	Competitive Analysis Of Travel Aggregator	
	811220205023	Manikandan M			
	811220205036	Ravikumar M			
	811220205048	Thirumeni V			

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Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC
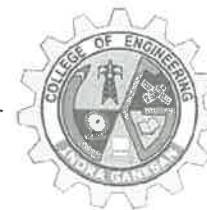
Department of Information Technology

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Manikandam, Trichy-620 012.

ACADEMIC YEAR 2022 – 2023

Problem Solving Method – Mini Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
6	811220205024	Meenatchi A	III / VI	Artificial Intelligence Based Smart Car Parking Using Opencv	PROBLEM SOLVING METHOD – MINI PROJECT
	811220205039	Sharmi A			
	811220205019	Kirubhashree D			
	811220205042	Soundarya V			
7	811220205302	Irfana Fathima J	III / VI	Automated Weather Classification Using Transfer Learning	
	811220205301	Dhanalakshmi V			
	811220205303	Vaibhavilaxmi L			
	811221205025	Monisha A			
8	811220205040	Sheik Abdulla H	III / VI	Advanced Crime Classification With Deep Learning	
	811220205037	Sabinath K			
	811220205020	Krishnan N			

S

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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Department of Information Technology
ACADEMIC YEAR 2022 – 2023

Problem Solving Method – Mini Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
9	811220205022	Mahasuvetha M	III / VI	Cloud Computing Based Navigating The Complex World Of Auto Insurance:A Vehicle Cost Analysis For Better Decision Making	PROBLEM SOLVING METHOD – MINI PROJECT
	811220205030	Priyanga K			
	811220205035	Rasika A			
	811220205044	Suganya G			
10	811220205015	Hemalatha G	III / VI	Multiple Disease Prediction System	
	811220205018	Keerthana S			
	811220205006	Benny A			
11	811220205008	Charulatha B	III / VI	Artificial Intelligence :The Complaint Management System	
	811220205012	Gowtham B			
	811220205016	Jeeva M			
12	811220205045	Sushmeetha A	III / VI	Handwritten Tamil Recognition Using CNN	
	811220205047	Thasneem Begam Y			
	811220205304	Vengatesan M			

HOD/IT

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report " **AUTOMATED ATTENDANCE SYSTEM BASED ON FACE RECOGNITION**"is the bonafide work of AISWARIYA V (811220205002) , ANBAZHAGAN S (811220205004) , BOOMIKA P (811220205007) who carried out the project under my supervision.

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Dr. N.KAVITHA M.E,Ph.D,

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Indra Ganesan College of Engineering,
Manikandam,
Trichy – 620012

Submitted for Anna university project Viva-voce examination held on 03·06·2023

INTERNAL EXAMINER

EXTERNAL EXAMINER
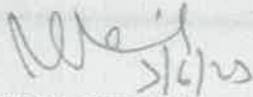
Dr. G. Balakrishnan, M.E., Ph.D.,
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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY: CHENNAI 600 025

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Prof.N.G.GAYATHRI M.E,

SUPERVISOR
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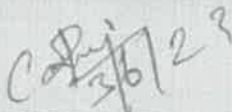Department of
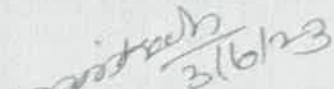Informantion Technology,
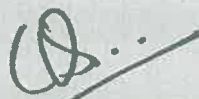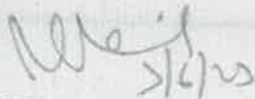Indra Ganesan College of Engineering,
Manikandam,
Trichy – 620012

Submitted for Anna university project Viva-voce examination held on 03·06·2023

INTERNAL EXAMINER

EXTERNAL EXAMINER

Dr. G. Balakrishnan, M.E., Ph.D.,
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Ni... ... ... 620 012.

ANNA UNIVERSITY: CHENNAI 600 025

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SIGNATURE

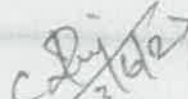Dr. N.KAVITHA M.E,Ph.D,

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Manikandam,

Trichy – 620012

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Prof.N.G.GAYATHRI M.E,

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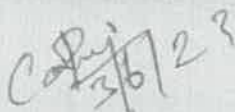
Department of

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INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this project report "**INTELLIGENT GARBAGE CLASSIFICATION USING DEEP LEARNING**" is the bonafide work of **SRIRAM C(811220205043), MURUGESAN K(811220205027), THANASEKARAN S(811220205046)** who carried out the project under my supervision.

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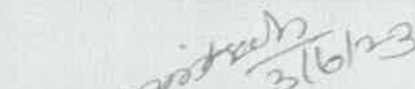
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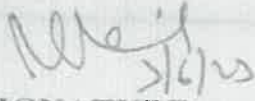Indra Ganesan College of Engineering
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Dr.N.Kavitha M.E,Ph.d.,
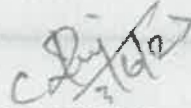
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Prof.C.Rani M.E.,

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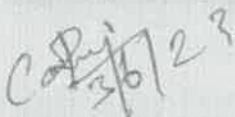
Assisstant Professor,

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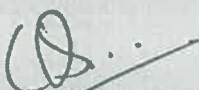Indra Ganesan College of

Engineering, Manikandam,

Trichy–620012.

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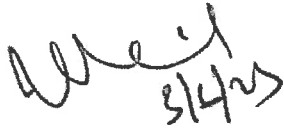
INTERNALEXAMINER

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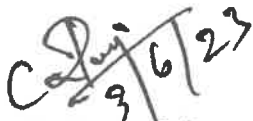Engineering, Manikandam,

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INTERNALEXAMINER

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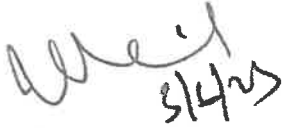Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report " **DEEP LEARNING MODEL FOR DETECTING DISEASE IN TEA LEAVES** " is the bonafide work of **K.MOHANAPRIYA(811220205025),** **R.PRAGADHI(811220205029),** **S.RAJESWARI(811220205032) , A.YASIKA(811220205050)** who carried the project under my supervision

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Submitted for Anna university project Viva-voice examination held on 03.06.2023

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EXTERNAL EXAMINER

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Dr.N.KAVITHA , M.E.Ph.D

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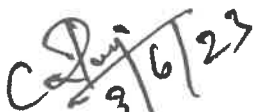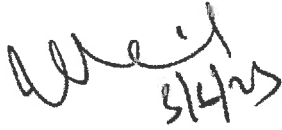Indra Ganesan College of Engineering,

Manikandam,

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Prof.N.G.GAYATRI, M.E.,

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report " **DEEP LEARNING MODEL FOR DETECTING DISEASE IN TEA LEAVES** " is the bonafide work of **K.MOHANAPRIYA(811220205025), R.PRAGADHI(811220205029), S.RAJESWARI(811220205032) , A.YASIKA(811220205050)** who carried the project under my supervision

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Dr.N.KAVITHA , M.E.Ph.D

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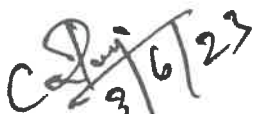Indra Ganesan College of Engineering,

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Prof.N.G.GAYATRI, M.E.,

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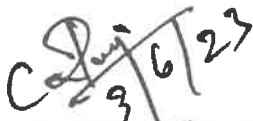Indra Ganesan College of Engineering,

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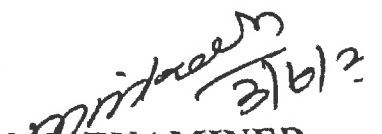**SIGNATURE**

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INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this project report **"ONLINE E-WASTE COLLECTION SYSTEM USING WEB APPLICATION"** is the bonafide work of **"HARIHARAN S (811220205014),BALAMOHAN R (811220205005), CHIRANJEEVI V (81120205009), DINESH M (811220205011) "** who carried out the mini project work under my supervision.

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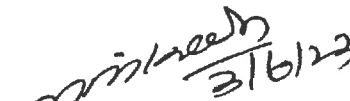
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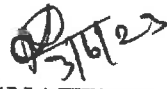IG Valley, Madurai Main Road
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ANNA UNIVERSITY : CHENNAI 600 025

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Certified that this project report "COMPETITIVE ANALYSIS OF TRAVEL AGGREGATOR" is the bonafide work of MAGESH G(811220205021) MANIKANDAN M(811220205023), RAVIKUMAR M(811220205036), THIRUMENI V(811220205048), who carried out the project under my supervision
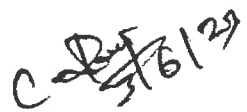
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BONAFIDE CERTIFICATE

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BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATED WEATHER CLASSIFICATION USING TRANSFER LEARNING" is the bonafide work of IRFANA FATHIMA J (811220205302), DHANALAKSHMI V (811220205301), VAIBHAVILAXMI L (811220205303),MONISHA A (811220205026) who carried out the project under my supervision.

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Certified that this project report "**ADVANCED CRIME CLASSIFICATION WITH DEEP LEARNING** " is the bonafide work of **SHEIK ABDULLA H (811220205040), SABINATH K (811220205037), KRISHNAN N (811220205020)** who carried out the project under my supervision.

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Certified that this project report **"CLOUD COMPUTING BASED NAVIGATING THE COMPLEX WORLD OF AUTO INSURANCE: A VEHICLE COST ANALYSIS FOR BETTER DECISION MAKING"** is the bonafide work of **MAHASUVETHA M (811220205022) , PRIYANGA K (811220205030) , RASIKA A (811220205035),SUGANYA G (811220205044).**

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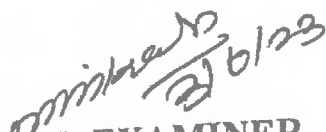Indra Ganesan College of Engineering,

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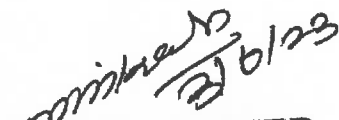Department of Information Technology,

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