



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





Indra Ganesan

COLLEGE OF ENGINEERING

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Dr. G. Balakrishnan, M.E. Ph.D.,
Principal

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		
		Principal		670	372	91	123	411

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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

Phone : 0431 2901621 | Mobile : 85086 88845 | www.igceng.com | principal@igceng.com



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



Criteria 1	Curricular Aspects	100
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Key Indicator – 1.3 Curriculum Enrichment

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

S. No	Department	No. of Students	Page Number
1	M.E CSE	2	4-8
2	M.E VLSI	1	9-10
3	MBA	36	11-47
4	CSE	24	48-72
5	EEE	10	73-83
6	ECE	13	84-97
7	MECH	17	98-115
8	IT	20	116-136
Total		123	



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

Experiential Learning – M.E CSE Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811221405001	Madhumathi K	M.E II / IV	Parking Space Detection Using Image Processing	EXPERIENTIAL LEARNING METHOD - PROJECT
2	811221405002	Vinitha Devi P	M.E II / IV	A Method for Android Malware Detection Based on Static Analytsis	


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

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


HOD/CSE

**A METHOD FOR ANDROID MALWARE DETECTION
BASED ON STATIC ANALYSIS**

PHASE II REPORT

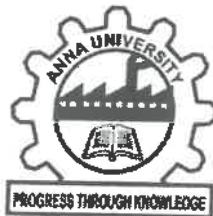
Submitted by

VINITHA DEVI P

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

**MASTER OF ENGINEERING
IN**


COMPUTER SCIENCE



**DEPARTMENT OF COMPUTER SCIENCE
ENGINEERING**

ANNA UNIVERSITY: CHENNAI 600 025

October, 2023


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

ANNA UNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "A METHOD FOR ANDROID MALWARE DETECTION BASED ON STATIC ANALYSIS" is the bonafide work of VINITHA DEVI P (811221405002) who carried out the project work under my supervision. Certified further that to the best of my knowledge the Work reported here in does not from part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


SIGNATURE 9/10/23

Prof. T. SUGASHINI, M.E

Head of the Department

Department of CSE

Indra Ganesan College of Engineering

Tiruchirapalli – 620012


SIGNATURE

Prof. A. RAMYA, M.Tech(cse)

Project Supervisor

Department of CSE

Indra Ganesan College of Engineering

Tiruchirapalli – 620012

Submitted the report in viva voice examination held on 09.10.2023


INTERNAL EXAMINER 9/10/23


EXTERNAL EXAMINER 9/10/23

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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

Parking Space Detection using Image Processing

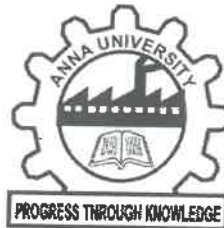
PHASE II REPORT

Submitted by

MADHUMATHI K

in partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
COMPUTER SCIENCE**



**DEPARTMENT OF COMPUTER
SCIENCE ENGINEERING**

ANNA UNIVERSITY, CHENNAI

October, 2023


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

ANNAUNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "Parking Space Detection using Image Processing" is the bonafide work of MADHUMATHI K (811221405001) who carried out the project work under my supervision. Certified further that to the best of my knowledge the Work reported here in does not from part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


SIGNATURE 9/10/23

Prof. T. SUGASHINI, M.E

Head of the Department

Department of CSE

Indra Ganesan College of Engineering

Tiruchirapalli- 620012


SIGNATURE 9/10/23

Prof. T. SUGASHINI, M.E

Project Supervisor


Department of CSE

Indra Ganesan College of Engineering

Tiruchirapalli - 620012

Submitted the report in viva voice examination held on

9.10.2023


INTERNAL EXAMINER 9/10/23




EXTERNAL EXAMINER 9/10/23

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



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikendam, Tiruchirappalli - 620 012
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Department of Electronics and Communication Engineering

ACADEMIC YEAR 2022 – 2023

Experiential Learning – M.E VLSI Design Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811221419001	Abarna T	M.E II / IV	Implementation of Vlsi based Robust Router Architecture	EXPERIENTIAL LEARNING METHOD - PROJECT


HOD/ECE


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

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Madurai - 620 012.

ANNA UNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "IMPLEMENTATION OF VLSI BASED ROBUST ROUTER ARCHITECTURE" is the bonafide work of ABARNA T (811221419001) who carried out the project work under my supervision. Certified further that to the best of my knowledge the Work reported here in does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


SIGNATURE 9/10/23


Mrs. P.SANTHANA SELVI, M.E.,

Head of the Department

Department of ECE

Indra Ganesan College of Engineering

Tiruchirapalli - 620012


SIGNATURE

Mrs. KOKILA., M.E.

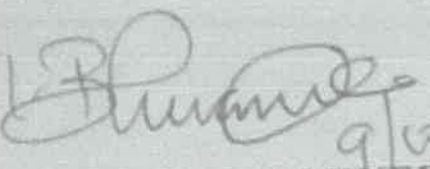
Associate Professor

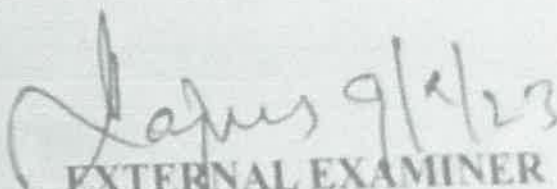
Department of ECE

Indra Ganesan College of Engineering

Tiruchirapalli - 620012

Submitted the report in viva - voce examination held on 9/10/23


INTERNAL EXAMINER 9/10/2023


EXTERNAL EXAMINER


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

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



1.3 Curriculum Enrichment (Management Studies)

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year

S.No	Program name	Program code	Name of the Course that include experiential learning through project work/field work/Internship	Name of the student studied course on experiential learning through project work/field work/Internship
1	MBA	631	Project Work	Abitha A
2	MBA	631	Project Work	Albert S
3	MBA	631	Project Work	Arun AK
4	MBA	631	Project Work	Arun N
5	MBA	631	Project Work	Balaguru J
6	MBA	631	Project Work	Dhivya A
7	MBA	631	Project Work	Ebinesar Paul A
8	MBA	631	Project Work	Ganesan M
9	MBA	631	Project Work	Gayathri K
10	MBA	631	Project Work	Jeevitha R
11	MBA	631	Project Work	Kaviya R
12	MBA	631	Project Work	Kishorekumar M
13	MBA	631	Project Work	Lavanya M
14	MBA	631	Project Work	Loganathan P
15	MBA	631	Project Work	Mohanasundaram K
16	MBA	631	Project Work	Mukesh Kannan K
17	MBA	631	Project Work	Nantha Kumar S
18	MBA	631	Project Work	Nirmala M
19	MBA	631	Project Work	Prathiusha R
20	MBA	631	Project Work	Rajendar S
21	MBA	631	Project Work	Ramya S
22	MBA	631	Project Work	Rubin Bharathi B
23	MBA	631	Project Work	Rubini P
24	MBA	631	Project Work	Sandhiya S
25	MBA	631	Project Work	Santhoshalanraj A
26	MBA	631	Project Work	Saran L
27	MBA	631	Project Work	Saratha C
28	MBA	631	Project Work	Sharmila KV
29	MBA	631	Project Work	Sheela rani N
30	MBA	631	Project Work	Sivaparamaleshwari B
31	MBA	631	Project Work	Thulasimani M
32	MBA	631	Project Work	Vasanth G
33	MBA	631	Project Work	Vasanthapriya S
34	MBA	631	Project Work	Vigneswari G
35	MBA	631	Project Work	Vijayalakshmi M
36	MBA	631	Project Work	Vijaya Sasthiraak

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

Principal

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



NLC INDIA LIMITED

("NAVARATNA- A GOVERNMENT OF INDIA ENTERPRISES")

CERTIFICATE

THIS IS TO CERTIFY THAT THE PROJECT REPORT ~~ENTRUSTED~~ IS THE BONAFIDE PROJECT REPORT DONE BY A.ABITHA IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF MASTER OF DEGREE IN BUSINESS ADMINISTRATION FROM INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY. DURING PERIOD FROM (15-02-2023 to 01-04-2023)

M. Dinakaran

EXTERNAL GUIDE

M.DINAKARAN

DEPUTY CHIEF MANAGER FINANCE

ACCOUNTS CENTRE/MINE I& IA

NLC INDIA LIMITED, NEYVELI.

Accounts Centre/Mine I & IA
N.L.C. Ltd., Neyveli-3.

Permitted to submit the project training report to college university
authority

B. S.
28/4/2023

CHIEF MANAGER

LEARNING AND DEVELOPMENT CENTRE

NLC INDIA LIMITED, NEYVELI.

DATE : 28.04.23

PLACE: NEYVELI

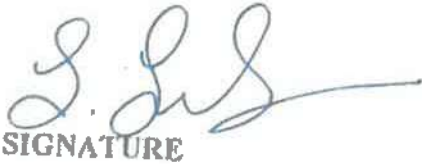
(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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

(Signature)
Chief Manager
Learning & Development
NLC India Limited, Neyveli-3

BONAFIDE CERTIFICATE

This is to certify that this project report titled "A Survey of Women's Experiences with Government Free Bus Travel Scheme in Pettaivathalai, Tamilnadu to Find Out the Impact of the Scheme." is the bonafide work of ARUN.A.K (811221631005) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



SIGNATURE

GUIDE

Mr. S.SIVANARULSELVAN

MBA.,M.PHIL

Assistant Professor,

Department of Management Studies,

Indra Ganesan College of Engineering,

Manikandam, Trichy - 12.



SIGNATURE

HEAD OF THE DEPARTMENT

Dr. C. SOUNDARAJAN.,

MBA., Ph.D.,

Associate Professor,

Department of Management Studies,

Indra Ganesan College of Engineering,

Manikandam, Trichy - 12.



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

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

VIVA-VOCE EXAMINATION HELD ON 13.07.23



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

This is to certify that this project report titled "TRAINING AND DEVELOPMENT A CASE STUDY IN KOTHARI SUGARS AND CHEMICALS LTD" is the bonafide work of ARUN N (811221631006) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


SIGNATURE
GUIDE

Dr.C.Soundar Rajan MBA., Ph.D.,
Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.


SIGNATURE
HEAD OF THE DEPARTMENT

Dr. C. Soundar Rajan., MBA., Ph.D.,
Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

VIVA-VOCE EXAMINATION HELD ON 13/07/2023


INTERNALEXAMINER




EXTERNALEXAMINER

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



TEE TEA COACH BUILDERS

AN ISO 9001:2015 & ARAI Accredited Body Builders

Specialist In: TATA ACE Load Auto, Delivery Van, Mini Bus, Mahindra Van, Extra Fittings, E.C. Works

PROJECT CERTIFICATE


This is to certify that S.ALBERT Roll no: 811221631003, 2nd year student of Indra Ganesan College of Engineering, Trichy has done PROJECT WORK in our company from 16.02.2023 to 27.03.2023

During the period of their project work study, he showed keen interest in collection of data and its compilation.

We wish her all the very best in her Endeavour.

For TEE-TEA COACH BUILDERS


Authorised Signatory


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



BONAFIDE CERTIFICATE

This is to certify that this project report titled "A STUDY ON INITIAL PUBLIC OFFERING IN INDIABULLS FINANCIAL SERVICES PRIVATE LIMITED." is the bonafide work of BALAGURU J(811221631007) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

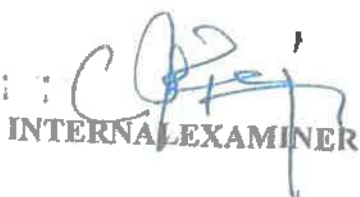

SIGNATURE
GUIDE

Dr. C. Soundar Rajan., MBA., Ph,D
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy – 12.


SIGNATURE
HEAD OF THE DEPARTMENT

Dr. C. Soundar Rajan., MBA., Ph.D.,
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy – 12.

VIVA-VOCE EXAMINATION HELD ON 13.07.23


INTERNAL EXAMINER

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


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

This is to certify that this project report titled "A STUDY ON ANALYSIS OF EMPLOYEES JOB SATISFACTION LEVEL IN EDUCATIONAL INSTITUTION, TRICHY" is the bonafide work of DHIVYA A (811221631009) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



SIGNATURE

GUIDE

Mr. J.V. Velu., BE., MBA.,
Assistant Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.



SIGNATURE

HEAD OF THE DEPARTMENT

Dr. C. Soundar Rajan., MBA., Ph.D.,
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

VIVA-VOCE EXAMINATION HELD ON 13/07/2023



INTERNAL EXAMINER



EXTERNAL EXAMINER

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

Date: 20.04.2023

TO WHOM-SO-EVER IT MAY CONCERN

This is to certify that Mr. EBINESAR PAUL A worked as Management Trainee in our company from 23 JANUARY, 2023 to , 13 APRIL 2023 with our entire satisfaction. During his working period we found him a sincere, honest, hardworking, dedicated employee with a professional attitude and very good job knowledge. He is amiable in nature and character is well. We have no objection to allowing him in any better position and have no liabilities in our company.

We wish him every success in life and all the best for endeavors.

Sincerely,

Name- EBINESAR PAUL A
Designation- Management Trainee
Company Name- BRIGHT SERVICES


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

For Bright Services,



BONAFIDE CERTIFICATE

This is to certify that this project report titled "A SURVEY ON THE PREFERENCE OF SALARIED CLASSON VARIOUS INVESTMENT OPTIONS AVAILABLE ." is the bonafide work of GANESAN M (811221631012) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



**SIGNATURE
GUIDE**

Mr. J.V.Velu., BE., MBA.,
Assistant Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

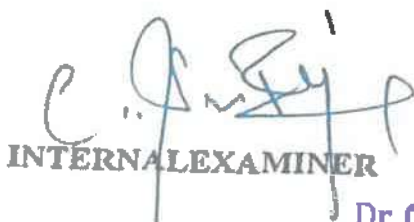


SIGNATURE

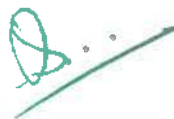
HEAD OF THE DEPARTMENT

Dr. C. Soundar Rajan., MBA., Ph.D.,
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

VIVA-VOCE EXAMINATION HELD ON 13.07 - 2023



INTERNAL EXAMINER



Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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



EXTERNAL EXAMINER



Regd Off & Fac.: Silampudayanpathi Road, Nagamangalam, Tiruchirappalli-12. (TN)
GSTIN/UIN : 33AALCS5586R1ZC. CIN No : U27106TN2007PTC065678

☎ : 0431 - 2680411 / 2680477
☎ : 0431 - 2680850
✉ : sasai@ammantry.com
🌐 : www.ammantry.com

Ref: SASAI-PRO-FINAL-78

15-04-2023

CERTIFICATE


This is to certify that Miss. K. GAYATHRI (Reg. No. 811221631013), MBA., Final Year student of INDRA GANESAN COLLEGE OF ENGINEERING Trichy, has successfully completed her Project Training in SHRI AMMAN STEEL AND ALIED INDUSTRIES (P) LTD, Trichy, under the guidance of Mr. M. Mohamed Ibrahim (M.Q.C / MR) from 09th Feb 2023 to 14th April 2023. We appreciate her keen interest and the efforts taken to do this Internship. During the Project period her conduct and character is good and performance is satisfactory.

We wish success in all future endeavors.

For SHRI AMMAN STEEL AND ALIED INDUSTRIES (P) LTD


AUTHORIZED SIGNATORY
Email:qc@ammantry.com




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

Pure & Pure Aqua Foods

39 - B, Sanjeevi Nagar,
Tiruchirappalli - 620 002.

0431 2730402, 2730452

94431 45768

Date :
18.05.2023

TO WHOM SO EVER IT MAY CONCERN

This is Certify that R.JEEVITHA (Reg NO:811221631016) Student
INDRA GANESAN COLLEGE OF ENGINEERING manikandam, Tiruchirappalli has
undergone internship training in "Purification of Packaged Drinking Water" in our
concern, with ability and Successful.

The details of the project work are as under

Project Title : A FINANCIAL PERFORMANCE ANALYSIS IN LAST FIVE YEARS
Department : IInd YEAR MBA
Duration : 25-02-2023 to 10-05-2023

During this Period his performance, attendance and conduct have been good.

We wish them all success in future carrier.


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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



AMBAVAR
DRINKING WATER

fssai
10018042009805

33AAGFP3221L1ZE

AN ISO 22000 - 2005 CERTIFIED COMPANY



Auraa Home Fashion Private Limited

Manufacturers & Exporters of Home Textile Fabrics & Made-ups



OEKO-TEX®
STANDARD 100



Date : 17.04.2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Kaviya.R (Reg.No: 811221631017) MBA Student of Indra Ganesan College of Engineering, Trichy has successfully completed her "Project" in "Human Resource" at our company from 24th February 2023 to 17th April 2023.

During the period her performance found good and satisfactory. We wish all the best for her future endeavours.

With Regards,

For AAURAA HOME FASHION PRIVATE LIMITED


17/04/2023
K.ARUN KUMAR
HR MANAGER




Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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



RISHIKESH AQUA FARMS

ISO 22000-2005 Certified company

Pure & Delicious Water & Related Products

E-mail : rishikshaquafarms@gmail.com www.dietaqua.com

IS 14503



CML: 334054

This is to certify that Mr.M.KISHORE KUMAR, Reg no: 811221631019 2nd year MBA Student of Indra Ganesan of Engineering, Trichirappalli has undergone a project at Diet Aqua water company, Human Resource Management -A study on employees Job satisfaction in Diet Aqua water company from Mar 10th to Apr 25th 2023. He has completed his project Successfully.During this period conduct as per the project.

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

for RISHIKESH AQUA FARMS
Partner/Authorised Signatory


Factory : survey No : 413/2, Kuzhumani mani road, Mekkudi post,
Sriyakaruppur village, Srirangam Taluk, TRICHY - 639 101
Cell : 91590 33777 / 22777 / 11 777




Date: 29.05.2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr Loganathan P (S11221631021) II year MBA, student of Indra Ganesan College of Engineering, Trichy has undergone project at Neuro one Hospital, Human Resource Management -A study on employees stress management in Neuro one hospital from Feb 13th to Mar 29th 2023. He has completed her project successfully. During this period conduct good.


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


Dr. S. S. Kumar, M.D.
Consultant Neuro Surgeon
Neuro One Hospital, Trichy
TMC Reg. No. 12345

R EMERGENCY
31-2221234

FOR
APPOINTMENTS: ☎ 0431-2221234
☎ 98435 61116

☎ info@neuroone.in
☎ www.neuroone.in

One Street, Trichy - 620 002 Ph : 0431 - 2221222

35/PA/676

TO THE HONORABLE JUDGE CONCEPT

This is certify that Mr. Mohanarajaram (Reg. No. 3127163424, W.C. 2.0899) 1 Year MBA in INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY, INDIA. During his Project work in our organization from the period 16.02.2013 to 13.04.2013 and during the training he was punctual and good.

We wish him all success in his future endeavors.

INDUTACH COMPOSITES TECHNOLOGY PVT LTD

N. S.



AUTHORIZED SIGNATORY

G.

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

BONAFIDE CERTIFICATE

This is to certify that this project report titled "A STUDY OF WORK LIFE BALANCE OF WOMEN EMPLOYEES TRICHY DISTRICT." is the bonafide work of MUKESHKANNAN K (811221631026) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



SIGNATURE

GUIDE

Dr. C. Soundar Rajan., MBA., Ph.D.,
Assistant Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.



SIGNATURE


HEAD OF THE DEPARTMENT

Dr. C. Soundar Rajan., MBA., Ph.D.,
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

VIVA-VOCE EXAMINATION HELD ON 13-07-2023



INTERNAL EXAMINAR



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



EXTERNAL EXAMINAR



Regd Off & Fac : Silamoudayanpatt. Road, Nambangalam, Trichy road -12, TRICHY
GSTIN UH 33AALCS5586P1ZC. CIN No. U27105TN2107PTC006672

☎ 0421 - 2512411 2512421
☎ 0421 - 2512152
☎ 0421 - 2512153
☎ www.shriammansteel.com

Ref: SASAI-PRO-FINAL-79-01

28-04-2023

CERTIFICATE


This is to certify that Mr. S. NANTHA KUMAR (Reg. No. 811221631027) MBA, Final year student of INDRA GANESAN COLLEGE OF ENGINEERING, Trichy, has successfully completed his Project in SHRI AMMAN STEEL AND ALIED INDUSTRIES (P) LTD, Trichy, under the guidance of Mr. M. Mohamed Ibrahim (M.Q.C - MR) from 15th Feb 2023 to 17th March 2023. We appreciate his keen interest and the efforts taken to do this Project. During the Project period his conduct and character is good and performance is satisfactory.

We wish success in all future endeavors.

For SHRI AMMAN STEEL AND ALIED INDUSTRIES (P) LTD

AUTHORIZED SIGNATORY
Email: qc @ ammantry.com




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



**AMMAN - TRY
STEELS (P) LTD.,**

Ref: SASAI-PRO-FINAL-79-02

28-04-2023

CERTIFICATE


This is to certify that Mrs. M. NIRMALA (Reg. No. 8112216310281) MBA, Final Year student at **INDRA GANESAN COLLEGE OF ENGINEERING Trichy.** has successfully completed her Project Training in **AMMAN TRY STEELS (P) LTD.** Trichy under the guidance of Mr. M. Mohamed Ibrahim (M. Q. U. MIRE) from 18th Feb 2023 to 17th March 2023. We appreciate her keen interest and the efforts taken to do this Project. During the Project period her conduct and character is good and performance is satisfactory.

We wish success in all future endeavors.

For **AMMAN TRY STEELS (P) LTD**

AUTHORIZED SIGNATORY
Email: igc@ammantry.com




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



TOOLFAB ENGINEERING INDUSTRIES (P) LTD.

PROJECT CERTIFICATE

This is certified that **R.PRATHIUSHA (Reg No:811221631031)** IInd year MBA student of Indra Ganesan College of Engineering, Trichy has done the project work in our company during the period of 01.02.2023 to 30.05.2023.

During the period of the project work study, she showed keen interest in collection of data and its completion.

We wish her all the ver best in her future.

For TOOLFAB ENGINEERING INDUSTRIES (P) LTD

Date:30.05.2023

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



JENO FRANKLIN. A
Manager - HR
jeno@toolfabengg.in



EXPORT ENTERPRISES WEAVING DIVISION

Order No. 2/6/153
Kattur Textile Export
Madurai Main Road, Trichy-620 012
Kattur - 620 012, Tamil Nadu

+914324 274363 / 274464
Fax : +914324 232404

AEE/IGCE/66

Dates:12/04/2023

TO WHOM SOEVER IT MAY CONCERN

This is to certify that MR RAJENDAR S (ROLL NO.811221631032) II Year MBA Student of INDRA GANESAN COLLEGE OF ENGINEERING . He has successfully completed IN-PLANT TRAINING PROGRAM (From 20th FEB – 2023 TO 12th APR-2023) in our Organization. During the period IN-PLANT TRAINING PROGRAM, his initiative and interaction was satisfactory.

We wish him every success in his future endeavors.

For Atlas Export Enterprises,

P. SHANMUGARAJA

SENIOR COMPLIANCE MANAGER

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



04/04/2023

This is to certify that Miss Ramya S (811221631034) II-year MBA, student of Indra Ganesan College of Engineering, Trichy has undergone project at ARA wealth management, Trichy on Title "A Study ON PORTFOLIO MANAGEMENT WITH REFERENCE TO EQUITY MARKET" for the duration from Feb 13th to Mar 29th, 2023. She has completed her project successfully.

During her Project period her conduct is good.

**Managing Director
(Mrs.Kaveri Annamalai)**

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

16, Main Road, Thillainagar, Tiruchirappalli, Tamil Nadu 620018.

Email: aramagnifylife@gmail.com

P: + 91 431 2741200

P: + 91 431 2741078

P: + 91 431 4220020



**Bescal
Steel
Industries.**

25th APRIL 2023

TO WHOMSOEVER MAY CONCERN

Subject: completion letter for MBA project

We hereby confirm the below students who is pursuing final year MBA in Indra Ganesan College of Engineering, Tiruchirapalli has successfully completed the final year project in hr titled "A STUDY OF EMPLOYEE WELFARE MEASURES IN BESCAL STEEL INDUSTRIES AT HENNAI" from 15th Feb to 25th Apr 2023.

NAME: B.RUBIN BHARATHI

REG NO: 811221631035

We wish success in all the future endeavors.

For Bescal Steel Industries Pvt. Ltd

BESCAL STEEL INDUSTRIES
Authorized Signatory
Chennai - 600 001.


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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

ESCAL STEEL INDUSTRIES PVT LTD
18New Avenue, Vetri Nagar ,Mannady, George Town,
hennai-600 001/ www.bescalsteelindustries.com/Ph:044-212449784



(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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

NLC INDIA LIMITED

("NAVARATNA- A GOVERNMENT OF INDIA ENTERPRISES")

CERTIFICATE

THIS IS TO CERTIFY THAT THE PROJECT REPORT ENTITLED IS THE BONAFIDE PROJECT REPORT DONE BY P.RUBINI IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF MASTER OF DEGREE IN BUSINESS ADMINISTRATION FROM INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY. DURING PERIOD FROM (13-02-2023 to 31-3-2023)

(Signature)
EXTERNAL GUIDE

S.MOHAN BABU

LEARNING AND DEVELOPMENT CENTRE

MANAGER

NLC INDIA LIMITED, NEYVELI.

Manager / HR

Learning & Development Centre

NLC India Limited, Neyveli.

Permitted to submit the project training report to college university

authority

CHIEF MANAGER

DATE :

LEARNING AND DEVELOPMENT CENTRE

PLACE:NEYVELI

NLC INDIA LIMITED, NEYVELI.



VIJAY DAIRY AND FARM PRODUCTS (P) LTD.,
INCORPORATED IN INDIA
REGD. OFFICE: PERAMANGALAM, TRICHY, TAMILNADU

☎ 0426-2215100
☎ 0426-2215101
☎ 0426-2215102

11th April 2023

Subject: Internship Completion Letter

This letter is to certify that Ms. Sandhya S (Reg: No: 811221631038) studying MBA from Indra Ganesan College of Engineering, has successfully completed her Internship for a period of 09/02/2023 to 10/04/2023 with our organization. The said intend was on "Role of HR relationship between ERM" and was actively, diligently and sincerely involved in the intend and tasks assigned.

During her intend, we found the candidate to be punctual and hardworking person.

For Vijay Dairy & Farm Products (P) Ltd,

Vijay Sekhar R C
11/04/23

Deputy Manager - H.R



Dr. G. Balakrishnan

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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



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LION DATES IMPEX PVT LTD

27/3, Sanjeevi Nagar, Tiruchirappalli,

Tamil Nadu 620002,

www.liondates.com, Phone : 0431- 2730047

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.A.SANTHOSH ALAN RAJ (Reg No: 811221631042) Second Year MBA(HR) student of Indra Ganesan College of Engineering, Trichy has successfully Completed his project in LION DATES IMPEX PVT LTD- Trichy, from (13-02-2023 to 28-04-2023), his Project on "Employee Welfare" completed in my company. His attitude and work was also good.

Thanking You

MANAGER

LION DATES IMPEX PVT LTD

27/3, Sanjeevi Nagar

Tiruchirappalli


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

Principal

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



Sharda Motor Industries Limited

G-20, SIPCOT Industrial Park, Irungattu Kottai, Sriperumbudur Taluk,
Kancheepuram District, Tamil Nadu-602117

Tel 044 3717 6500 Fax 044-671176555

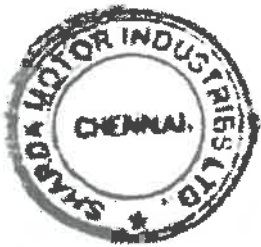
E-Mail: samilchennai@shardamotor.com website www.shardamotor.com

TO WHOM SO EVER MAY CONCERN

This is to Inform that **Mr.L. SARAN** Bonafide of your college,
Studying **MBA (HR/Finance)** Bearing Reg. No: **811221631043** affiliated to
SMIL, Irungattukottai Chennai, is Permitted to carry out this project work on
title "**A Study on stress Management at Manufacturing Industry**" at
Sharda Motor Industries Limited, at our franchise Office, Chennai.

The duration the Project be 6 to 8 weeks we wish him success for her
project work.

**HR
Manager
(SMIL Chennai)**



**Dr. G. Balakrishnan, M.E., Ph.D.,
Principal**

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

11/04/2023


TO WHOM IT MAY CONCERN

This is to certify that Mrs SARATHA C (Reg.No.81122163044) who is studying 2nd Year MBA in INDRA GANESAN COLLEGE OF ENGINEERING, TIRUCHIRAPALLI, completed her Project Work in our firm from the period of 14/02/2023 TO 11/04/2023 and during her training she was Punctual and good We wish her all success in her future endeavours

K.K.P SPINNING PVT LTD,


Authorized Signature




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



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road 74-452, Madurai, Tamil Nadu - 625 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
W.A.C. Accredited, ISO 9001 Certified by BSI



DECLARATION

I hereby declare that the project titled as "A STUDY ON THE IMPACT OF SELF-HELP GROUPS ON WOMEN'S EMPOWERMENT IN KULITEALAI KARUR." is submitted to the Anna University, Chennai in the partial fulfillment of Master of Business Administration. It is the record of the original work done by me under the guidance of Mrs. Minipriya, MBA, MPhil, Assistant professor, Department of Management Studies, Indra Ganesan College of Engineering. It is assured that this study has not been submitted to any other university for the award of M.B.A Degree.

PLACE: Trichy

DATE: 13.07.2023

Sharmila KV

Signature of the candidate

SHARMILA KV

5112163144

(S)

25/03/2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sheela Rani N (REG.NO: 811221631047), MBA (HR/ Finance) student of Indra Ganesan College of Engineering has done her Project at our organization from 06/02/2023 to 25/03/2023

Sheela Rani N done her Project in the Title of "A Study on Employee Motivation" in Rane Brake Lining Ltd., Trichy


During the said period she was Good, Enthusiastic and was active in completing the assignments given to her.

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

for Rane Brake Lining Limited



Jagadeesh Prasad P
Deputy Manager- HR



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



புத்தக வங்கி லிமிடெட்
भारतीय स्टेट बैंक
State Bank of India

DATE: 21/04/2023

TO WHOMSOEVER IT MAY CONCERN

THIS IS TO CERTIFY THAT MISS. SIVAPARIMALESHWARI B (811221631048) STUDYING II MBA, INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY-12, HAS SUCCESSFULLY COMPLETED HER PROJECT WORK IN OUR BRANCH DURING 24.03.2023 TO 21.04.2023 IN "PUBLIC AWARENESS AND KNOWLEDGE ABOUT WEALTH MANAGEMENT IN SBI". WE WISH HER ALL THE BEST IN HER CAREER.

CHIEF MANAGER.



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

bank.sbi

0431 - 2557324

sbi.01363@sbi.co.in

IFSC Code : SBIN0001363

Swift : SBININBB190

ஹெவ் ஈலக்ட்ரிகல்ஸ்.

கைலாசபுரம்.

திருச்சிராப்பள்ளி - 620 014.

हेवी इलेक्ट्रिकल्स

कैलासपुरम

तिरुचियप्पल्ली - 620 014

Heavy Electricals,

Kailasapuram,

Tiruchirappalli - 620 014.



N.C. JOHN GARMENTS PVT LTD

158-159, TEKIC, TEA NAGAR, SIDCO, MUDALIPALAYAM, TIRUPUR- 641606

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☎ +91 9047069223

CIN: U17290KL2021PTC068898

GSTIN: 33AAHCN5869N1ZR

E-Mail: hrm@ncjohn.net

Website: www.ncjohnapparel.com

CERTIFICATE

This is to certify that Ms. LAVANYA.M ID NO.811221631020 student of II year MBA studying at Indira Ganesan College of Engineering, Tiruchirapalli has successfully completed her HUMAN RESOURCE PROJECT from 03rd March 2023 to 27th April 2023 at our concern N. C. John Garment Private Limited, Tirupur. During the period, she was Good, Enthusiastic and active in completing the assignments given to her.

We wish her all the very best for her future endeavours.

For N.C. John Garments Private Limited,

For N.C. John Garments Private Limited

C.G.Prasennen

General Manager

(General Manager)

Date: 16th May 2023


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

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Carbon neutral

Carbon Footprint



04/04/2023

This is to certify that Ms. Thulasimani M (811221631053) II-year MBA, student of Indra Ganesan College of Engineering, Trichy has undergone project at ARA wealth management, Trichy on Title "A Study INVESTOR BEHAVIOUR ON FUNDAMENTAL ANALYSIS" for the duration from Feb 13th to Mar 29th, 2023. She has completed her project successfully.

During her Project period her conduct is good.

**Managing Director
(Mrs.Kaveri Annamalai)**

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

16, Main Road, Thillainagar, Tiruchirappalli, Tamil Nadu 620018.

Email: aramagnifylife@gmail.com

P: + 91 431 2741200

P: + 91 431 2741078

P: + 91 431 4220020

Pure & Pure Aqua Foods

39 - B, Sanjeevi Nagar,
Trichirappalli - 620 002.

0431 2730402, 2730452

94431 45768


Date 18.05.2023.....

TO WHOM SO EVER IT MAY CONCERN

This is Certify that S. VASANTHAPRIYA (Reg NO:811221631055) Student
INDRA GANESAN COLLEGE OF ENGINEERING manikandam, Tiruchirappalli has
undergone internship training in "Purification of Packaged Drinking Water" in our
concern, with ability and Successful.

The details of the project work are as under

Project Title : A Performance Appraisal
Department : IInd YEAR MBA
Duration : 25-02-2023 to 10-05-2023


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

During this Period his performance, attendance and conduct have been good.
We wish them all success in future carrier.


(Pure & Pure Aqua Foods)



fssai
10016042003305

IN-33AAGFP3221L1ZE

AN ISO 22000 : 2005 CERTIFIED COMPANY

AMBAR
DRINKING WATER

BONAFIDE CERTIFICATE

This is to certify that this project report titled "A STUDY ON EMPLOYEE JOB SATISFACTION IN MANUFACTURING INDUSTRY VIRALIMALAI, TRICHY" Is the bonafide work of VASANTH G (811221631054) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



SIGNATURE GUIDE

Mrs. N. Minipriya MBA., M.Phil.,
Assistant Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.



SIGNATURE

HEAD OF THE DEPARTMENT
Dr. C. Soundar Rajan., MBA., Ph.D.,
Associate Professor,
Department of Management Studies,
Indra Ganesan College of Engineering,
Manikandam, Trichy - 12.

VIVA-VOCE EXAMINATION HELD ON 13. 07. 2023



INTERNALEXAMINER

Dr. G. Balakrishnan, M.E., Ph.D., **EXTERNAL EXAMINER**

Principal

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



Tulya Beverages Pvt Ltd.,
Trichy - Chennai NH, Naranamangalam Village,
Kunnam Taluk, Perambalur - 621 126. Tamil Nadu, India
m +91 93 80 666 555, +91 80 12 519 027

TO WHOMSOEVER IT MAY CONCERN


This is to certify that **Selvi.G.VIGNESHWARI, M.B.A., (FINANCE)**
Reg : 811221631056, 2nd year student of Indra Ganesan College of
Engineering, Trichy, has done **PROJECT WORK** in our company from
16.02.2023--27.03.2023.

During the period of their project work study, she showed keen
interest in collection of data and its compilation.

We wish her all the very best in her future endeavor.

For TULYA BEVERAGES PRIVATE LIMITED


PLANT MANAGER
(M. PRANISH)


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





Tulya Beverages Pvt Ltd.,
Trichy - Chennai NH, Naranamangalam Village,
Kunnam Taluk, Perambalur - 621 126, Tamil Nadu, India
m +91 93 80 666 555, +91 80 12 519 027

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Selvi.M.VIJAYALAKSHMI, M.B.A.,**
(HUMAN RESOURCE) Reg : 811221631057, 2nd year student of Indra
Ganesan College of Engineering, Trichy, has done **PROJECT WORK** in our
company from 16.02.2023 – 27.03.2023.

During the period of their project work study, she showed keen
interest in collection of data and its compilation.

We wish her all the very best in her future endeavor.

FOR TULYA BEVERAGES PRIVATE LIMITED
(Signature)
TEAM MANAGER
(HUMAN RESOURCE)



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

Surpassing Expectations™

HR/2022-23/IPT/

07.03.2023



Dr.VS.Thangarasu,
Principal,
Indra Ganesan College of Engineering ,
Madurtai Main Road, Manikandam Road, Trichy- 620 012.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. VIJAYASATHIRIRAI K (Reg No: 811221631058) MBA Student of Indra Ganesan College of Engineering. Trichy has successfully completed her "Project" in "Human Resource" at our company from 8th March 2023 to 17th April 2023.

During the period her performance found good and satisfactory. We wish all the best for her future endeavors.

Thanking You

Yours faithfully,

For Ramcides Cropscience Private Limited

A handwritten signature in blue ink, appearing to be 'G. Balakrishnan', with a horizontal line underneath.

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

TS. Ulaganathan
Assistant General Manager - Operations

Magnetizing abundance for our Customers, our Employees and our Organisation.

Ramcides CropScience Pvt. Ltd



Indra Ganesan

COLLEGE OF ENGINEERING

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



Department of Computer Science and Engineering

ACADEMIC YEAR 2022 – 2023

Experiential Learning – Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811219104001	Arun R	IV / VIII	Yolo Object Detection Using Deep Learning	EXPERIENTIAL LEARNING METHOD - PROJECT
	811219104004	Gowtham C			
	811219104012	Mohamed Nowsath M			
2	811219104005	Indhumathi S	IV / VIII	Solar Panel Crack Detection Using Neural Networks	
	811219104009	Keerthika V			
	811219104017	Ranjana S			
3	811219104002	Balamanikandaprabhu B R	IV / VIII	Pothole Detection Using Machine Learning	
	811219104013	Moorthi C			
	811219104023	Vigneshwaran V			
4	811219104003	Bharathi S	IV / VIII	Yoga Asana Classifier Using Machine Learning	
	811219104024	Vijayalakshmi B			
	811219104014	Nancy N			
5	811219104022	Sweatha B	IV / VIII	Tea Leaf Disease Detection Using Neural Network	
	811219104006	Ishwarya P			
6	811219104018	Ravinya K	IV / VIII	Industrial Fire Detection Using Deep Learning	
	811219104020	Saranya P			
7	811219104021	Suvalakshmi P	IV / VIII	Real Time Secure Clickbait and Biometric ATM User	
	811219104025	Vincy Sharmila K			
8	811219104011	Logadipa S P	IV / VIII	Photochain:A Block Chain Based Secure Photo Sharing	
	811219104008	Keerthika K			
9	811219104010	Krishi Gowtham R	IV / VIII	Human Interactive System NLP And Vision Assistant	
	811219104016	Praveen K			
10	811219104007	Kalaiyasar	IV / VIII	AI Powered Meeting Notes Generators	
	811219104026	Yathesh M			

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D. Perold
HOD/CSE

YOLO OBJECT DETECTION USING DEEP LEARNING

APROJECT REPORT

Submitted by

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GOWTHAM C	811219104004
MOHAMED NOWSATH M	811219104012

In partial fulfillment for the award of the degree

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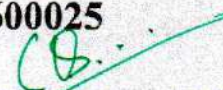
IN

COMPUTER SCIENCE AND ENGINEERING

INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY

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MAY 2023

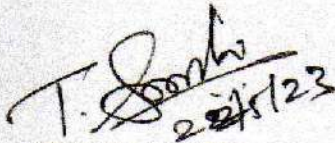

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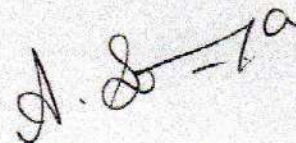
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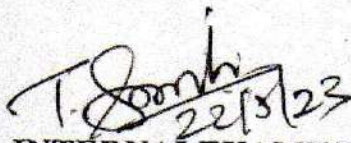
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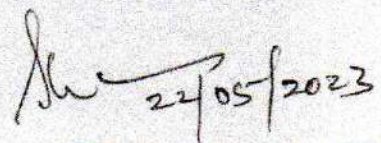
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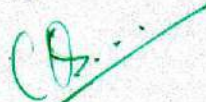
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INTERNAL EXAMINER



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HUMAN INTERACTIVE SYSTEM: NLP AND VISION

ASSISTANT ENABLED NEOTRIC COMPUTER

A PROJECT REPORT

Submitted by

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PRAVEEN K

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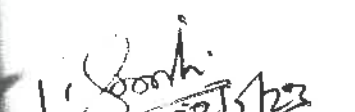
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**AI POWERED MEETING NOTES
GENERATOR**

A PROJECT REPORT

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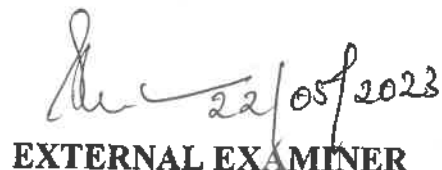
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**TEA LEAF DISEASE
DETECTION USING NEURAL
NETWORK**

A PROJECT REPORT

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SOLAR PANEL CRACK DETECTION USING NEURAL NETWORKS

A PROJECT REPORT

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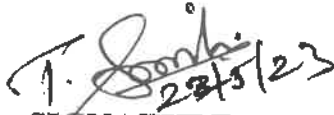
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POTHOLE DETECTION USING MACHINE LEARNING

A PROJECT REPORT

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YOGA ASANA CLASSIFIER USING MACHINE LEARNING

A PROJECT REPORT

Submitted by

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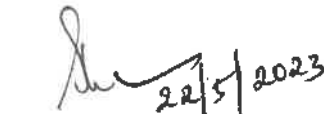
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PHOTOCHAIN: A BLOCKCHAIN BASED SECURE PHOTO SHARING FRAMEWORK FOR SOCIAL NETWORK

A PROJECT REPORT

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EXTERNAL EXAMINER


EXTERNAL EXAMINER

INDUSTRIAL FIRE DETECTION USING DEEP LEARNING

A PROJECT REPORT

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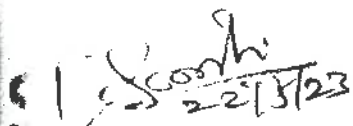
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INTERNAL EXAMINER


EXTERNAL EXAMINER

REAL TIME SECURE CLICKBAIT AND BIOMETRIC ATM USER AUTHENTICATION AND MULTIPLE BANK TRANSACTION SYSTEM

A PROJECT REPORT

Submitted by

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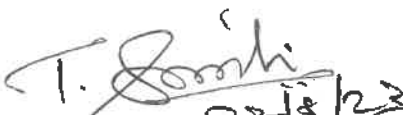
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22/5/23
INTERNAL EXAMINER


22/05/23
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**COVID VISION: ADVANCED COVID-19 DETECTION
WITH LUNG X-RAY FROM DEEP LEARNING**

A PROJECT REPORT

Submitted by

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Certified that this project report "COVID VISION: ADVANCED COVID-19 DETECTION WITH LUNG X-RAY FROM MACHINE 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


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3/6/23

**SMART BILLING SYSTEM FOR WATER
SUPPLIERS USING IOT**

A PROJECT REPORT

Submitted by

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Prof. T.Sugasini

SUPERVISOR



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Trichy-620012

Submitted for Anna university project Viva-voce examination held on 03.06.23


INTERNAL EXAMINER


EXTERNAL EXAMINER

3/6/23

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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

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

JUNE 2023


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BONAFIDE CERTIFICATE

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),
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Submitted for Anna university project Viva-voce examination held on 03-06-2023 IPN


INTERNAL EXAMINER


EXTERNAL EXAMINER
3/6/23


Dr. G. Balakrishnan, M.E., Ph.D.,
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**IOT BASED DROWSINESS DETECTION
AND ALERTING SYSTEM**

A PROJECT REPORT

Submitted by

DEVI K	811220104013
KAMALI A	811220104024
SWARNAMBIGAI V	811220104048
YUVASRI S	811220104053

In partial fulfillment for the award of

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BONAFIDE CERTIFICATE

Certified that this project report “**DRIVER DROWSINESS DETECTION AND ALERTING SYSTEM**” is the bonafide work of **DEVI K(811220104013)**
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EXTERNAL EXAMINER
8/6/23

FACIAL EMOTION DETECTION SYSTEM

A PROJECT REPORT

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PRIYADHARSHINI G	811220104033
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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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INTERNAL EXAMINER


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EXTERNAL EXAMINER


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**CRIME VISION – ADVANCED CRIME
CLASSIFICATION 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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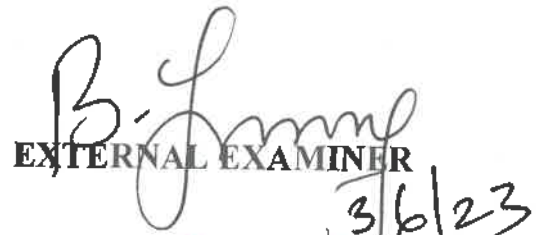
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INTERNAL EXAMINER 3/6/23


EXTERNAL EXAMINER 3/6/23


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AI ENABLED CAR PARKING USING OPENCV

A PROJECT REPORT

Submitted by

APPAS ALI D	811220104004
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VINITH ROSHANA	811220104051
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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "AI ENABLED CAR PARKING USING OPENCV" the bonafide work of APPAS ALI D(811220104004), DIVYAKEERTHAN P(811220104015), VINITH ROSHAN A (811220104051), YUVARAJ M (811220104052) who carried out the project under my supervision.


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EXTERNAL EXAMINER
3/6/23

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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ANNA UNIVERSITY : CHENNAI 600 025

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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EXTERNAL EXAMINER
3/6/23

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Indra Ganesan

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(0) Status Verification by UGC



Department of Electrical and Electronics Engineering ACADEMIC YEAR 2022 – 2023

Experiential Learning – Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811219105006	Salamon A	IV / VIII	Smart Car Parking System	EXPERIENTIAL LEARNING METHOD - PROJECT
	811219105007	Saravanakumar M			
	813919105301	Venkatraman.A			
2	811219105003	Manikandan A	IV / VIII	IOT based Electrical device surveillance & controlling system	
	811219105002	Barath M.M			
	811219105701	Dheventhiran .P			
3	811219105005	Ponnalagu C	IV / VIII	Solar energy based Smart agriculture irrigation system	
	811219105008	Solaimathi .K			
	811219105004	Manikandan K			
	811219105001	Arul raj .A			

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G. malathi
HOD/EEE

SMART CAR PARKING SYSTEM

A PROJECT REPORT

Submitted by

SALAMON.A

SARAVANAKUMAR.M

VENKATRAMAN.A

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



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BONAFIDE CERTIFICATE

Certified that this project report "SMART CAR PARKING SYSTEM" is the bonafide work of SALAMON.A(811219105006),SARAVANAKUMAR.M(811219105007), VENKATRAMAN.A(811219105301)" who carried out the project work under my supervision.


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Mr.D.Praveen sangeeth kumar, ME.,

Mr.B.Arunpandiyar,M.TECH.,

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SUPERVISOR

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INTERNAL EXAMINER


EXTERNAL EXAMINER


Dr. G. Balakrishnan, M.E., Ph.D.,
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IG Valley, Madurai Main Road
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**IOT BASED ELECTRONICS DEVICE SURVEILLANCE
AND CONTROL SYSTEM
A PROJECT REPORT**

**Submitted by
BARATH.M
MANIKANDAN.A
DHEVENTHIRAN.P**

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



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Certified that this project report "IOT BASED ELECTRONICS DEVICE

SURVEILLANCE & CONTROL SYSTEM" is the bonafide work of

BARATH.M(811219105002), MANIKANDAN.A(811219105003),

DHEVENTHIRAN.P(811219105701)" who carried out the project work under my supervision.


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Mr.D.Praveen sangeeth kumar, ME.,

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SUPERVISOR

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Professor,

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Trichy-12.



Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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


INTERNAL EXAMINER


EXTERNAL EXAMINER

**A SOLAR ENERGY-BASED SMART
AGRICULTURE IRRIGATION SYSTEM**

A PROJECT REPORT

**Submitted by
ARULRAJ.A
MANIKANDAN.K
PONNALAGU. C
SOLAIMATHI.K**

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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ANNA UNIVERSITY : CHENNAI-600 025

BONAFIDE CERTIFICATE

Certified that this project report "A SOLAR ENERGY- BASED SMART AGRICULTURE IRRIGATION SYSTEM " is the Bonafide work of " ARULRAJA.A(811219105001), MANIKANDAN.K(811219105004),PONNALAGU.C(811219105005), SOLAIMATHI.K(811219105008)" who carried out the project work under my supervision.


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Mr.D.Praveen Sangeeth Kumar, ME.,
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Mrs.J.Bejoy Jenifer, ME.,

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INTERNAL EXAMINER

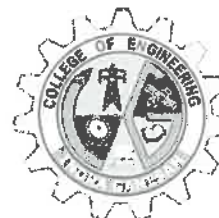

EXTERNAL EXAMINER



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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NAAC Accredited, 2(F) Status Institution by UGC



Department of Electronics and Communication Engineering

ACADEMIC YEAR 2022 – 2023 Experiential Learning – Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811219106011	Swetha K	IV / VIII	CNN-Based Deep Learning Approach For Micro Crack detection Of Solar panels	EXPERIENTIAL LEARNING METHOD - PROJECT
	811219106301	Yuvashree S			
	811219106701	Vijayalakshmi V			
2	811219106008	Srikanth M	IV / VIII	Medicine Identification And Auditory Output System For Disabled People	
	811219106010	Surya V R			
	811219104017	Ranjana S			
3	811219106001	Dayana P	IV / VIII	Labview based Real time Maritime Boundary system	
	811219106002	Devika K			
4	811219106005	Ravikumar B	IV / VIII	Design of Micro strip Lowpass Filter using stepped impedance method	
	811219106009	Surendran S			
5	811219106003	Dinesh J	IV / VIII	Iot Based Sewer Clogging prediction system for smart city	
	811219106004	Mohana Sundaram K			
6	811219106702	Ponnarasu S	IV / VIII	Deep learning based safty Helmet in Industry	
	811219106006	Santhanaraj A			

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M. Bhuvanesh
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**CNN-BASED DEEP LEARNING APPROACH FOR MICRO CRACK DETECTION OF SOLAR PANELS**" is the bonafide work of "**SWETHA K (811219106011), YUVASHREE S (811219106301) and VIJAYALAKSHMI V(811219106701)**" who carried out the project work under my supervision.


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Control for Anna University project Viva-Voce examination 22/03/2023


INTERNAL EXAMINER


EXTERNAL EXAMINER


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Dr. G. Balakrishnan, M.E., Ph.D.,
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MEDICINE IDENTIFICATION AND AUDITORY OUTPUT SYSTEM FOR DISABLED PEOPLE" is the Bonafide work of "SRIKANTH M (811219106008) and SURYA VR (811219106010)" who carried out the project work under my supervision.


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Prof. N RAMYA

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Submitted for Anna University Project Viva -Voce Examination held on 28/05/2023


INTERNAL EXAMINER


INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

Certified that this project report "**LABVIEW BASED REAL TIME MARITIME BOUNDARY MONITORING SYSTEM AND NAVIGATION ALERT SYSTEM**"
Work of "**DAYANA P (811219106001)** and "**DEVIKA K (811219106002)**" who
Carried out the project work, under my supervision.


SIGNATURE

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BONAFIDE CERTIFICATE

Certified that this project report "**DESIGN OF MICROSTRIP LOWPASS FILTER USING STEPPED IMPEDANCE METHOD**" is the bonafide work of "**SURENDRAN S (811219106009) and RAVI KUMAR B (811219106005)**" who carried out the project work under my supervision.


SIGNATURE

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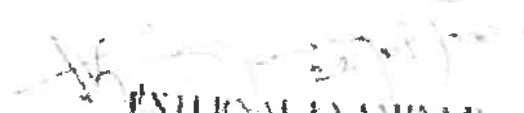
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EXTERNAL EXAMINER


EXTERNAL EXAMINER


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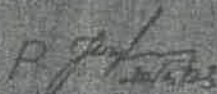
BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED SEWER CLOGGING PREDICTION SYSTEM FOR SMART CITY" is the bonafide work of "DINESH J (811219106003)" and "MOHANA SUNDARAM K (811219106004)" who carried out the project work under my supervision.


SIGNATURE

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HEAD OF THE DEPARTMENT

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Submitted for Anna University Project Viva-Voce Examination held on 22/05/2023


INTERNAL EXAMINER


EXTERNAL EXAMINER


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Certified that this project report "DEEP LEARNING BASED SAFETY HELMET IN INDUSTRY" is the bonafide work of "PONNARASU S J (811219106702) and SANTHANARAJ A (811219106006)" who carried out the project work under my supervision.



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Dr. G. Balakrishnan
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NAAC Accredited, 2(F) Status Institution by UGC



Department of Mechanical Engineering

ACADEMIC YEAR 2022 – 2023

Experiential Learning – Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811219114003	Ajay S	IV / VIII	Design and fabrication of Agri cutter	EXPERIENTIAL LEARNING METHOD - PROJECT
	811219114004	Christy lourthu samy A			
2	811219114301	Hariharan R	IV / VIII	Design and fabrication of footstep power Generation	
	811219114702	Madhan Murugan S			
3	811219114006	Periasamy P	IV / VIII	Design and development of pneumatic powered hacksaw machine	
	811219114701	Gokul R			
4	811219114011	Suriya Ganesh M	IV / VIII	Pneumatic sheet metal cutting Machine	
	811219114012	Vaithiyalingam M			
5	811219114001	Aathilingam V	IV / VIII	Design and Fabrication of Electric Motorized Grass cutter	
	811219114002	Abimanyu C			
6	811219114302	Mohan Raj G	IV / VIII	Design and fabrication of conveyor lift using geneva Mechanism	
	811219114704	Inigo Rithesh			
	811219114703	Muthukaruppan			
7	811219114008	Saravana kumar V	IV / VIII	Design and Fabrication of Solar grass Cutter	
	811219114010	Siriyac Selva A			
8	811219114013	Vikash R	IV / VIII	Research and analysis of Electric Mini pickup Truck chasis and body	
	811219114303	Sivash			


HOD/MECH


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DESIGN AND FABRICATION OF AGRI-CUTTER

A PROJECT REPORT

Submitted by

AJAY S

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CHRISTY LOURTHU SAMY A

811219114004

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING



**INDRA GANESAN COLLEGE OF ENGINEERING,
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JUNE-2022

BONAFIDE CERTIFICATE

Certificate that this project report "AGRI-CUTTER USING CRANK SHAFT MACHINISM" is the bonafide work of

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CHRISTY LOURTHU SAMY A

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Who carried out the project work under my supervision



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EXTERNALEXAMINER

DESIGN AND FABRICATION OF ELECTRIC MOTORIZED GRASS CUTTER

A PROJECT REPORT

Submitted by

**AATHILINGAM.V
ABIMANYU.C**

**811219114001
811219114002**

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INTERNAL EXAMINER


EXTERNAL EXAMINER


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DESIGN AND FABRICATION OF CONVEYOR LIFT USING GENEVA MECHANISM

A PROJECT REPORT

Submitted by

MOHANRAJ.G	811219114302
INIGO RITHISH.P	811219114704
MUTHUKARUPPAN.M	811219114703

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JUNE – 2022

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CONVAYOR LIFT USING GENEVA MECHANISM**” is the
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EXTERNAL EXAMINER 23.6.2022


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DESIGN AND FABRICATION OF SOLAR GRASS CUTTER

A PROJECT REPORT

Submitted by

SARAVANAKUMAR V 811219114008

SIRIYAC SELVA A 811219114010

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DESIGN AND FABRICATION OF FOOTSTEP POWER GENERATION

A PROJECT REPORT

Submitted by

HARIHARAN .R

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MADHAN MURUGAN .S

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DESIGN AND DEVELOPMENT OF PNEUMATIC POWERED HACKSAW MACHINE

APROJECTREPORT

Submitted by

**PERIYASAMY .P
GOKUL .R**

**811219114006
811219114701**

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ii
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PNEUMATIC SHEET METAL CUTTING MACHINE

A PROJECT REPORT

Submitted by

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VAITHIYALINGAM.M

811219114012

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JUNE – 2022

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**RESEARCH AND ANALYSIS OF ELECTRIC
MINI PICKUP TRUCK CHASSIS AND BODY**

A PROJECT REPORT

Submitted by

PRASANTH R

811218114011

VIGNESHWARAN C

811218114023

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JUNE - 2022

BONAFIDE CERTIFICATE

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OF ELECTRIC MINI PICKUP TRUCK CHASSIS AND BODY" is
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Signature


Signature

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Mr. R.RAMESH BABU,M.E.,(Ph.D.),

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Department of Information Technology

ACADEMIC YEAR 2022 – 2023

Experiential Learning – Main Project

Batch No.	Registration No	Name of the Student	Year / Sem	Topic	Name of the Learning Method
1	811219205008	Libia Pojathsiyu.C	IV / VIII	Detection Of Parkinson's Disease Using Modified	EXPERIENTIAL LEARNING METHOD - PROJECT
	811219205019	Tamil Selvi.T		Face Emotion Detection Using Python	
2	811219205020	Vijaya kumar M	IV / VIII	Cyberbullying Detection Using Machine Learning	
	811219205501	Karthick A		Customer Segmentation Using Machine Learning	
3	811219205005	Jeevitha M	IV / VIII	Online Shopping Using E-Commerce	
	811219205006	Kaviya K		Graphical Password authentication System	
4	811219205015	Sivaranjani P	IV / VIII	Phishing Uniform Resource	
	811219205021	Visalini P		Non Helmet Detection System From Bike Rider	
5	811219205001	Akash V	IV / VIII	IOT Based Home Appliances Controlled By Telegram APP Using Node.	
	811219205012	Ranjith kumar A		Fake News Detection Using Natural Language Processing	
6	811219205011	Ranjith M	IV / VIII		
	811219205017	Surya A			
7	811219205018	Swetha S	IV / VIII		
	811219205003	Aravindhan R			
8	811219205009	Mageshwaran M	IV / VIII		
	811219205002	Akilandeswari J			
9	811219205013	Shareen Banu M R	IV / VIII		
	811219205004	Chitra Bharathy M			
10	811219205014	Shobana K	IV / VIII		
	811219205016	Sowmiya P			

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BONAFIDE CERTIFICATE

Certified that this project report "DETECTION OF PARKISON'S DISEASE USING MODIFIED CNN" is the bonafide work of LIBIA POJATHSIYU C (811219205008), TAMIL SELVI T (811219205019) who carried project under my supervision.



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Prof. C. Rani

SUPERVISOR

Assistant Professor,

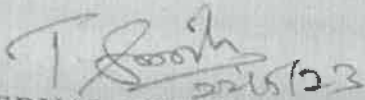
Department of Information Technology
Information Technology

Indra Ganesan College of Engineering,

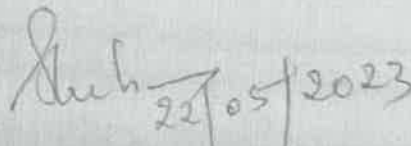
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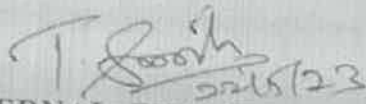
Department of Information Technology
Information Technology

Indra Ganesan College of Engineering,

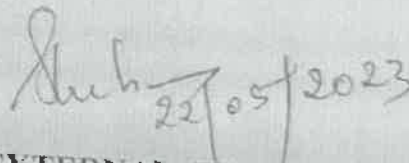
Manikandam,

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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FACE EMOTION DETECTION USING PYTHON" is the bonafide work of VIJAYAKUMAR(811219205020), KARTHICK(811219205501), who carried out the project under my supervision.


22/5/23

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22/5/23

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Assistant Professor,

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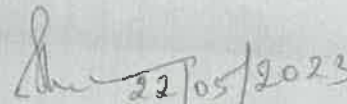
Manikandam,

Trichy - 620012

Submitted for Anna university project Viva-voce examination held on 22.05.2023


22/5/23

INTERNAL EXAMINER


22/05/2023

EXTERNAL EXAMINER


Dr. G. Balakrishnan, M.E., Ph.D.,
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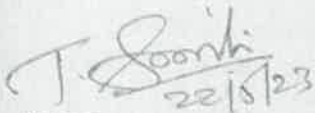
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Certified that this project report "FACE EMOTION DETECTION USING PYTHON" is the bonafide work of VIJAYAKUMAR(811219205020), KARTHICK(811219205501), who carried out the project under my supervision.


22/5/23

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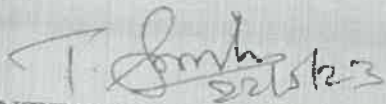
Department of Information Technology

Indra Ganesan College of Engineering,

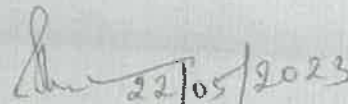
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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

Certified that this project report "CYBERBULLYING DETECTION USING MACHINE LEARNING" is the bonafide work of JEEVITHA M (811219205005), KAVIYA K(811219205006) who carried out the project under my supervision.


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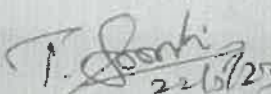
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Submitted for Anna university project Viva-voce examination held on 28.5.2023


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BONAFIDE CERTIFICATE

Certified that this project report "CYBERBULLYING DETECTION USING MACHINE LEARNING" is the bonafide work of JEEVITHA M (811219205005), KAVIYA K(811219205006) who carried out the project under my supervision.



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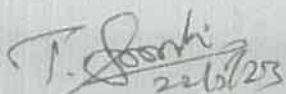
Department of Information Technology

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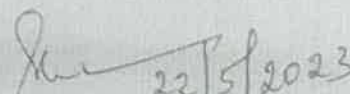
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ANNA UNIVERSITY : CHENNAI 600 025

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Certified that this Project report "CUSTOMER SEGMENTATION USING MACHINE LEARNING" is the bonafide work of "SIVARANJANI P (811219205015), VISALINI P (811219205021)" who carried out the project work under my supervision.


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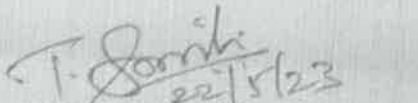
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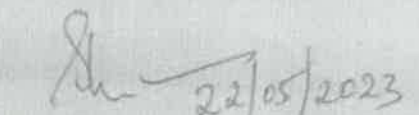
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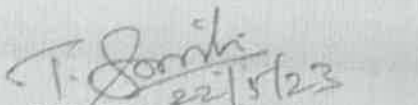
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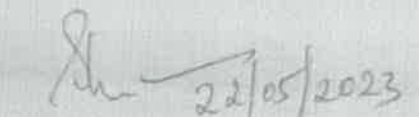
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Certified that this project report "Online Shopping Using E-Commerce" is the Bonafide work of AKASH V (811219205001), RANJITH KUMAR A (811219205012) who carried out the project under my supervision.


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Certified that this project report "GRAPHICAL PASSWORD AUTHENTICATION SYSTEM" is the bonafide work of RANJITH M (811219205011), SURYA A(811219205017) who carried out the project under my supervision.



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Certified that this project report "PHISHING UNIFORM RESOURCE LOCATOR SPOTING" is the bonafide work of SWETHA S (811219205018), who carried out the project under my supervision.

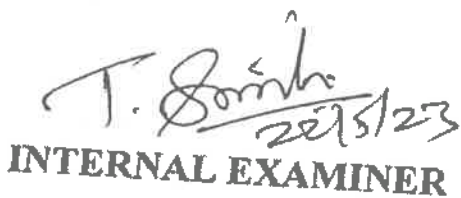

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Certified that this Project report "NON HELMET DETECTION SYSTEM FROM BIKE RIDER USING DEEP LEARNING" is the bonafide work of "ARAVINDHAN R (811219205003), MAGESHWARAN M (811219205009)" who carried out the project work under my supervision.


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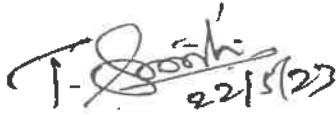
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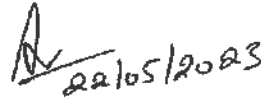
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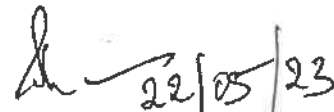
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Certified that this project report "FAKE NEWS DETECTION USING NATURAL LANGUAGE PROCESSING(NLP)" is the bonafide work of "CHITHRABHARATHY.M (811219205004), SHOBANA.K (811219205014), TAMILSELVI.T (811219205019)" who carried out the project work under my supervision.



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Certified that this project report "IOT BASED HOME APPLIANCES CONTROLLED BY TELEGRAM APP USING NODE-MCU" is the bonafide work of AKILANDESWARI J (811219205002), SHAREEN BANU M R (811219205013) who carried out the project under my supervision.


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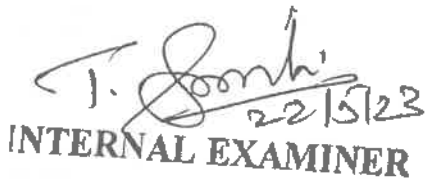
Technology

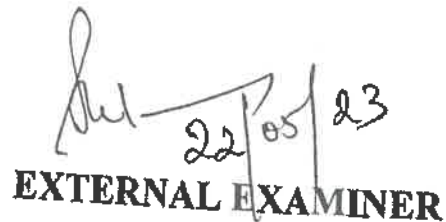
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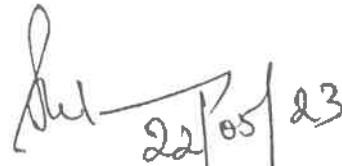
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