

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
Phone: 0427 - 2211212, +91 9865440414
E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

2.3.1 Student centric methods, such as experiential learning, participating learning and problem methodologies are used for enhancing learning experiences

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Ganesh College of Engineering Attur Main Road, Metrucatti Salam 636 111



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING HANDS ON TRANING

NAME OF THE DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING	
PROGRAM	PANASONIC COMPANY	
ACADEMIC YEAR	2023-2024	
PROGRAM DATE	27.08.23	
NUMBER OF STUDENTS PARTICIPANTS	21	
REASON PERSONS	Er. V.SASIKIUMAR MANAGING DIRECTOR , PANASONIC COMPANY-SALEM	
OBJECTIVE OF THE PROGRAM	This Hands –on training was for students as it provide co lossal knowledge about the Manufacturing control process in industries that has been adapted for control of manufacturing process.	





Ganesh College of Engineering Attur Main Road, Memupatti, Salam 536 111

PANASONIC COMPANY







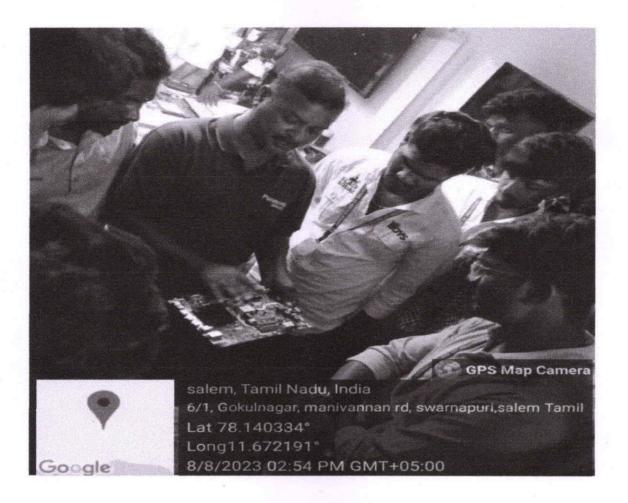
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Salam 636 111







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Attur Main Road, Memupathi
Salem 636 111



Our students had gained knowledge about Manganese is the most commonly used in battery type. Panasonic offers manganese cells with no added specified toxic substrate mercury lead and cadmium are replaced with green alternatives that also help to maintain battery life and discharge performance.





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Salam 636 111

DETAILS OF INTERNSHIP TRANING





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E-Mail: principal@ganeshenggcollege.org www.ganeshenggcollege.org

DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR- (2023 TO 2024)

S.NO	REG.NO	NAME	DURATION	NAME OF THE ORGANIZATION
1	620620103002	M.KAVIBHARATHI	= =	
2	620620103003	K.RAHUL	01.07.2022 TO 31.07.2022	V&V CONSTRUCTION
3	620620103301	T.DINESHKUMAR		
4	620620103302	A.JEEVANANTHAN		
5	620620103303	NESAMAI.M		





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING **ACADEMIC YEAR-2023 YO 2024**

S.No	Register Number	Student Name	Duration	Name of the organization
1	620620105002	KARTHIKEYAN D		
2	620620105003	KISHON K		
3	620620105004	MUGILAN P		
4	620620105006	SIVA S	19.08.23	METTUR
5	620620105008	SRIKANTH D	TO 23.08.23	THERMAL POWER
6	620620105009	THIVAKARAN M		STATION-I
7	620620105301	GUNALAN S		
8	620620105303	KAVIN K		
9	620620105304	KAVIN S RA		
10	620620105307	PERIYASAMY S		





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DEPARTMENT OF ARTIFICIAL INTELLIGENCE& DATA SCIENCE ACADEMIC YEAR-2023 TO 2024

~	~~~~~~		DURATION	NAME OF THE
S. NO	REGISTER NUMBER	NAME OF THE STUDENT	-	ORGANIZATION
1	620622243001	AAKASH PR		
2	620622243003	АЛТН Р		
3	620622243004	AKALYA K		
4	620622243005	AMAVALLI A		
5	620622243006	ANJALI R		
6	620622243007	ARAVINTH KUMAR M		A
7	620622243008	ARJUN Y		
8	620622243009	DHARANIDHARAN K		
9	620622243010	GAYATHRI S		
10	620622243011	GOKUL B	27.8.23	WINGS
11	620622243012	GOKULMANIKKAM P	ТО	TECHNOCRAFTS
12	620622243013	GOPIKA A	13.9.23	
13	620622243014	GOPIKA S		
14	620622243015	GOPINATH R		
15	620622243016	GOWRI SHANKAR M		
16	620622243017	HARI M		
17	620622243018	HEMANTH T		
18	620622243019	JAGADEESH S		2
19	620622243021	KARTHICK AK		
20	620622243022	KIRUTHIGA M		¥.
21	620622243023	MAHALAKSHMI S		
22	620622243025	MANIKANDAN N		
23	620622243026	MUGANESHWARAN K		
24	620622243027	MUKESH RAJ M		
25	620622243028	NANDHINI Y		
26	620622243029	NISHANTH S		
27	620622243030	PARTHASARATHY A R	=	
28	620622243032	RAJENDHIRAN S		
29	620622243033	RAMESH K		
30	620622243034	SANDHIYA D		
31	620622243035	SANJAY M		





32	620622243037	SATHISHKUMAR G		
33	620622243038	SHANMUGAPRIYA S		
34	620622243040	SURYA MOORTHY K		
35	620622243041	THARUNVISHAL K		WINGS TECHNOCRAFTS
36	620622243042	VIJAY G	27.8.23	
37	620622243043	VIJAYABALAN B		
38	620622243044	VISHVA D		
39	620622243301	ASIF BASHA K		







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DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING ACADEMIC YEAR-2023 TO 2024

S.NO	REGISTER NUMBER	NAME	DURATION	NAME OF THE ORGANIZATION
1	620620106002	AKSHAYA.A.S		
2	620620106004	AVIN.G		
3	620620106005	GOKUL.G		
4	620620106006	GOGULRAJ.G		
5	620620106007	GOWTHAMAN.S		
6	620620106008	HARIHARAN.A		>
7	620620106009	MEENA.M		
8	620620106010	MUTHULAKSHMI.A		
9	620620106011	NAVEENKUMAR.S		ATS
10	620620106012	PATTAIYATHAN.K	01.07.2023	
11	620620106013	PRASANA.A		
12	620620106014	PRATHAP.P	TO 25.07.2023	
13	620620106015	RAJESWARI.S		
14	620620106019	SANJAYKANTH.S		
15	620620106020	SIVASAKTHI.K		
16	620620106021	SNEHA.P		
18	620620106025	VETRIVEL.V	2	71
19	620620106026	VINOTH.S		
20	620620106301	KUMARAVEL.P		
21	620620106303	NAGARAJAN.C		
22	620620106305	SANJAI.R		
23	620620106306	THAMARAISELVAN.S		





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACADEMIC YEAR-(2023 TO 2024)

S. No	Register Number	Student Name	DURATION	NAME OF THE ORGNAIZATION
1	620620104001	AJAY SRIWAG I		
2	620620104003	BHARATH R		
3	620620104004	BOOPATHI S		
4	620620104005	DEEPAK A		
5	620620104006	DEVADHARSHINI D		
6	620620104007	DHANAZHAKI M		
7	620620104008	ELAKKIYA S		
8	620620104010	GOKUL K P		
9	620620104011	GOKULAVASANTH R	13.11.2023	WINGS TECHNO
10	620620104012	GOPI V	TO 27.11.2023	CRATS
11	620620104013	GOWRISANKAR P	27.11.2023	
12	620620104014	JEEVA M		
13	620620104015	KAMATCHI R		
14	620620104016	KARTHIKRAJA G		
15	620620104017	KARTHIKVEL N		
16	620620104019	NAVEEN R		
17	620620104020	NIKKESH G		
18	620620104021	NISHANTHKUMAR S		
19	620620104024	SANJAYKUMAR M		
20	620620104025	SANTHANA PANDIYAN P		
21	620620104026	SATHISHKUMAR S		
22	620620104027	SITHENTHIRAN P		
23	620620104028	SIVALAKSHMI S		
24	620620104029	SNEHA M		lu lu
25	620620104030	SRIRAM Y		
26	620620104031	SURYA B		
27	620620104032	THANGARASU P		
28	620620104033	VEERATHAMIZHAN V		77.
29	620620104301	HARIHARAN.G		
30	620620104305	NANDHAKUMAR.S		==
31	620620104308	SAVITHA.V		









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DEPARTMENT OF BIOMEDICAL ENGINEERING **ACADEMIC YEAR 2023-2024**

S. No	Register Number	Student Name	DURATION	NAME OF THE ORGNAIZATION
1	620620121001	ABISHEK.M		
2	620620121002	AMSAVALLI.S]	
3	620620121003	ANANDHI.A	1	
4	620620121004	ANITHA.T		
5	620620121005	ANJANADEVI.M		
6	620620121006	ANU ATCHAYA.A		
7	620620121007	ARCHANA.P]	
8	620620121008	ARCHANA.V		
9	620620121009	ARULMANI.A		GEETH RAGANATHU HOSPITAL
10	620620121010	ARUNKUMAR S		
11	620620121011	ASHA.K	12.07.2023 TO	
12	620620121012	AVANTHI.S	27.07.2023	
13	620620121013	BHUVANESHWARI.M		
14	620620121014	BHUVANESHWARI.S		
15	620620121016	GAYATHRI.P		
16	620620121017	GEETHA.S		
17	620620121018	GOPI.S		
18	620620121019	HEMAPRABHA.V	2	
19	620620121021	JEEVA.A	91	
20	620620121023	KODIYARASI.S		
21	620620121024	LOKESH .S		





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DEPARTMENT OF MECHANICAL ENGINEERING **ACADEMIC YEAR 2023-2024**

S.No	Reg.No	Student name	DURATION	NAME OF THE ORGNAIZATION			
1	620620114001	Boopalan M					
2	620620114003	Isravel prasanna K					
3	620620114004	Jeeva A					
4	620620114005	Kalaivanan G					
5	620620114006	Loganathan S					
6	620620114007	Maheswaran V					
7	620620114009	Naveen K	*				
8	620620114010	Prabakar M	01.08.2023				
9	620620114012	Ramana V	TO 15.08.2023	HONDA			
10	620620114013	Sakthivel K					
11	620620114016	Sharan					
12	620620114018	Velan V					
13	620620114019	Vignesh T					
14	620620114302	Aravinth M					
15	620620114304	Balaji J					
16	620620114305	Bharath J					
17	620620114307	Jeroslintony A					
18	620620114308	Kabilan K R					
19	620620114309	Kavinraj P					
20	620620114312	Nantha kumar G					
21	620620114314	Naresh K					





22	620620114316	Raghul K		
23	620620114317	Ranjith S		
24	620620114318	Subash F	01.08.2023 to	HONDA
25	620620114319	Suryagokul S	15.08.2023	
26	620620114320	Vijayakumar S		
27	620620114321	Yogeshwaran V		
28	620620114501	Tamilarasan MB		





SAMPLE BONAFIED CERTIFICATES ISSUED FOR INTERNSHIP TRANING





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Salam \$36 111.



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Phone (842) - 2211212, 193 (66566621)

I Mait principal@genetherogosfilage.org www.generberogosfilage.org

DEPARTMENT OF MECHANICAL ENGINEERING LIST OF STUDENTS ATTENDED INTERNSHIP

S.NO	REG.NO	STUDENT NAME	DURATION	NAME OF THE ORGANIZATION
1	620621114001	ARAVINDHAN M		
2	620621114004	CHANDRU K	09.07.2023	
3	620621114020	REMO S	TO	VGR AUTOMATION
4	620621114302	KALAIVANAN P	25.07.2023	
5	620621114304	SILAMBARSAN S		
6	620621114019	PRASANTH K	01.08.2023	KUBERA HONDA
7	620621114011	MANOJKUMAR T		
8	620621114303	SETHUPATHI G	то	
9	620621114021	SARATHKUMAR M	15.08.2023	
10	620621114030	YUGENDRANK		
11	620621114014	MUTHUKUMARAN R		
12	620621114010	MANO V		SIDHESHWARA
13	620621114012	MEIYARASU S	01.08.2023 TO 17.08.2024	
14	620621114025	TAMIL K		ENGINEERING WORKS
15	620621114018	PANDIDURAI A		
16	620621114007	HIRUBAKARAN B		

N. James





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Salem 636



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I Atai proxipatigueschengcollege.org www.garethingcollege.org

Date: 07/07/2023

BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of Ganesh college of Fugineceting. Salem studying in the Department of Mechanical Engineering. This certificate is issued for the purpose of their intereship Training in VGR automation, Coimbatore from 09.07.2023 to 25.07.2023

Students Name List

S.NO	Register Number	Name of the Students	Year/ Sem
1	620621114001	ARAVINDHAN M	
2	620621114004	CHANDRU K	ши
3	620621114020	REMO S	
4	620621114302	KALAIVANAN P	
5	620621114304	SILAMBARSAN S	





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SALEM-636 111





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Phone: 5427 - 2211212, -41 2001-00414

E Main principal@ganeshenggithings.org newsgeneshenggithings.org

Date: 31/07/2023

BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of Ganesh college of Engineering. Salem studying in the Department of Mechanical Engineering. This certificate is issued for the purpose of their internship Training in Kubra Honda, Salem from 01.08.2023 to 15.08.2023

Students Name List

SNO	Register Number	Name of the Students	Year/ Sem
1	620621114019	PRASANTH K	Wash Actively
2	620621114011	MANOJKUMAR T	III/V
3	620621114303	SETHUPATHI G	
4	620621114021	SARATHKUMAR M	
5	620621114030	YUGENDRAN K	





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Ganesh College of Engineering Attur Main Road, Meticoatti Salem 636 111



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L-Mait prinsipal@gareshangscollege.org www.gareshangscollege.org

Date: 31/07/2023

BONAFIDE CERTIFICATE

This is to certify that the following students are bonafide students of Ganesh college of Engineering, Salem studying in the Department of Mechanical Engineering. This certificate is issued for the purpose of their internship Training in Sidheshwara Engineering Works, Salem from 01.08.2023 to 17.08.2023

Students Name List

S.NO	Register Number	Name of the Students	Year/ Sem
1	620621114014	MUTHUKUMARAN R	
2	620621114010	MANO V	
3	620621114012	MEIYARASU S	
4	620621114025	TAMIL K	III/V
5	620621114018	PANDIDURALA	
6	620621114007	HIRUBAKARAN B	





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Phone: 0427 - 2911019, Fax: 0427 - 2242999

Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss M. Sundersey

is pursuing 1V/-4east - Irdenship Daining [BME] Department

in our College as full time student during the Academic Year 2093-8084

Date: 10.07- 2093.

Principal

Ganesh College of Engineering After Main Road, Mottupetti,

SALEM-838 111.







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Phone: 0427 - 2911019, Fax: 0427 - 2242999

Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr	Miss	M.	Powerdon	,
I THIS IS IN LETTING BROOMS AVAIL	747022	1	TOP - VICE COUNTY	Ė

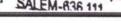
is pursuing 11/40019 - Interenship Teating [BME] Department

in our College as full time student during the Academic Year 803-2024

Date: 10.07. 2023

PRINCIPAL Ganesh College of Engine

Attur Main Road, Metunatti









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Attur Main Road, Mettupatti (PO), Salem (DT) - 636 131.

Phone: 0427 - 2911019, Fax: 0427 - 2242999 Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss MEENA M

is pursuing IV - YEAR - ECE / Intemship Training

Department

in our College as full time student during the Academic Year 2023 - 2024

Date: 20. 6. 2023

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Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that M+ / Miss __ MEENA M

is pursuing IV - YEAR - ECE / Intemship Training Department

in our College as full time student during the Academic Year 2023 - 2024

Date: 20. 6. 2023

Ganesh College of Engineering Attur Main Road, Mettupatti,

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Phone: 0427 - 2911019, Fax: 0427 - 2242999

Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss ___MEENA M

is pursuing IV - YEAR - ECE / Intemship Training

Department

in our College as full time student during the Academic Year 2023 - 2024

Date: 20. 6. 2023

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Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss _	GOKUL RAT. 4

is pursuing IV - YEAR ECE / Internghip Training Department in our College as full time student during the Academic Year 2023 - 2024

Date: 20.6-2023

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Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr/Miss BHARATH . R

is pursuing IV-year - CBB/Indeanship Fraining Department

in our College as full time student during the Academic Year 2023 - 2024

Date: 12.11-2023



PRINT PAIL
Ganesh College of Engineering
Attur Main Road, Mettupatt

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Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr	Miss Karthikeyan D	
	EFF / Internship Training	Department
in our College as full time stude	ent during the Academic Year 2023 -	2024
Date: 17.08.23	Colege Sant	Principal PRINCIPAL esh College of Engineerin
	Allo	Main Road, Mettupatti SALEM-636 111







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Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

is pursuing IV _ Year _ EEE / Internship Training Department in our College as full time student during the Academic Year 2023 - 2024 Date: 17. 08.23 Principal PRINCIPAL Ganesh College of Engineer	This is to certify that Mr /	Miss Kishon.k	
Date: 17. 08.23	is pursuing IV _ Year - A	EEE/ Internship	Training Departmen
Date: 17. 08.23	in our College as full time studen		2023 - 2024
	Date: 17. 08.23		Principal PRINCIPAL Ganesh College of Engine Attur Main Road, Mettup SALFM. 228







Ganesh College of Engineering Learn. Rise. Excel

Ganesh College of Engineering

(Approved by AICTE, New Delhi & Affiliated to Anna University)

Attur Main Road, Mettupatti (PO), Salem (DT) - 636 111.

Phone: 0427 - 2911019, Fax: 0427 - 2242999

Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss T. DINESH KUMAR	
is pursuing B.F. CIVII / TNTERNISHIP TRAINING	Department
in our College as full time student during the Academic Year 2022 - 202	· /-

Date: 31-07-2023

PRINCIPAL
Ganesh College of Engineering
Anur Main Road, Metupatti,

RM-FM-BR6 179







Ganesh College of Engineering (Approved by AICTE, New Delhi & Affiliated to Anna University)

Attur Main Road, Mettupatti (PO), Salem (DT) - 636 111.

Phone: 0427 - 2911019, Fax: 0427 - 2242999

Website: www.ganeshenggcollege.org

BONAFIDE CERTIFICATE

This is to certify that Mr / Miss	
is pursuing R.F. CIVIL TNTFRSHIP TRAINING	_Department
in our College as full time student during the Academic Year 2023-2021	
GE OF ENGLA	

Date: 31-07-2023



Ganesh College of Enginee Attur Main Road, Mettup:

SALEM-836 111





SAMPLE E-MAILS OF INTERNSHIP TRANING ACCEPTANCE







Internship Acceptance

HR Manager <vgrautotn@gmail.com>
To: Sivakumar S <sivasubramani7@gmail.com>

Sat, Jul 08, 2023 at AM

Dear Sir,

We are happy to inform you that we have processed your request and approved the following students of your college to do their project internship in our organization. They should report on 09/07/2023 at our office.

The HR Manager, VGR AUTOMATION Coimbatore-641 062

S.NO	Register Number	Name of the Students	Year/ Sem
1	620621114001	ARAVINDHAN M	
2	620621114004	CHANDRU K	
3	620621114020	REMOS	III.V
4	620621114302	KALAIVANANP	
5	620621114304	SILAMBARSANS	

Thanks and Regards

The HR Manager VGR AUTOMATION





APPROVAL LETTER FROM INTERNSHIP









VGR AUTOMATION

i/2-13, Anna Nagar, Neelambur, Coimhatore - 641 862. Tamilnadu, India, Ph : +91-422 6557444. E-mail : vgrautotn@gmail.com

CERTIFICATE

Certified that Mr.P.Kalaivanan (Mechanical), Student of GANESH COLLEGE

OF ENGINEERING, SALEM -111, has undergone Intership training in the area

of CNC PROGRAM TRAINING at VGR AUTOMATION during the period

from 09.07.2023 to 25.07.2023

For VGR AUTOMATION

Authoritied Signatory





SAMPLE CERTIFICATES OF INTERNSHIP TRANING







BONAFIDE CERTIFICATE

This to certify that Mr.N.DHEENA Studying Final Year B.E (Civil Engineering) in Ganesh College of Engineering in Mettupatti, Salem had undergone Training from 01.07.2022 to 31.07.2022. He was Sincere and Hard Working During this Period and His Conduct was Good.







VEESVEE ENGINEERS AND CONTRACTORS CIVIL WORK | PLANNIG | DESIGNING | 3D ELEVATI

OFFICE: 1³⁴ floor TPG complex,Tharamangalam,salem-636502, c.mail:xv.engincers33.a/gmail.com

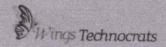
> Mobile: 8098060463;9751892966 GSTIN: 33BEWPV3036C1ZC

BONAFIDE CERTIFICATE

This to certify that Mr.T.DHINESH KUMAR Studying Final Year B.E (Civil Engineering)in Ganesh College of Engineering in Mettupatti, Salem had undergone Training from 01.07.2023 to 31.07.2023. He was Sincere and Hard Working During this Period and His Conduct was Good.







CERTIFICATE

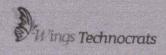
This is to certify that, Mr. R. BHARATH student of Final Year, B.E.-(CSE) GANESH COLLEGE OF ENGINEERING, SALEM, has undergone the INTERNSHIP TRAINING based on INTERNET OF THINGS at Wings Technocrats in Salem from 13.11.2023 to 27.11.2023 as per the company norms and regulations and completed successfully.

WINGS TECHNOCRATS H. F. Lum Juj Door No: 7/1, Arthanari Nagar, H. F. Lum Juj Saravana Scans (Opposit), New Busstand, Salem-636004. Email: Wingstechnocrats@gmail.com Director Web: www.wingstechnocrats.com

#12/1 Arthanari Nagar,2nd Floor,New Bus Stand, Salem-636084.
Email: wingstechnocrats@gmail.com
Phone: 9791842074,7010049924







CERTIFICATE

This is to certify that, Ms. M. SNEHA student of Final Year, B.E. (CSE) GANESH COLLEGE OF ENGINEERING ,SALEM, has undergone the INTERNSHIP TRAINING based on INTERNET OF THINGS at Wings Technocrats in Salem from 13.11.2023 to 27.11.2023 as per the company norms and regulations and completed successfully.

WINGS TECHNOCRATS
Door No: 7/1. Arthanan Nagar,
Saravana Scans (Opposit),
New Busstand, Salem-635004,
Email: Wingstechnocrats@gmail.comDirector
Web: www.wingstechnocrats.com

#12/1 Arthanari Nagar,2nd Floor,New Bus Stand, Salem-636004. Email: wingstechnocrats@gmail.com Phone: 9791842074,7010049924





CERTIFICATEOFCOMPETITION

This is to certify that





A.S.AKSHAYA B.E-ECE WEB DEVELOPMENT

has completed Internship from 01.07.2023 to 25.07.2023 we found him /her sincere

Hardworking, dedication and result oriented .she/he worked well as part of team during Worked well as part of the team during his/her tenure. We take this opportunity to thank Him/her and whish him/her future



25.07.2023

Date

shibiraj

SIGNATURE





CERTIFICATE OF COMPETITION



This is to certify that



S.SANJAYKANTH BE -ECE WEB DEVELOPMENT

has completed Internship from 01.07.2023 to 25.07.2023 we found him / her sincere

Hardworking, dedication and result oriented. she/heworked well as part of team during

Worked well as part of the team during his/her tenure. We take this opportunity to thank Him/her and whish him/her future



25.07.2023

Date

shibiraj

SIGNATURE





METTUR THERMAL POWER STATION-I

IN-PLANT TRAINING CERTIFICATE

D. Karthi keyan

THIRD

This is to certify that Thirm / Als.

B.E (EEE) of GIANESH COLLEGIE OF ENGLINEERING has undergone In - Plant Training at Mellur Thermal Power Station - 1, Mellur Dam Trom 19.08.23 To 23.08.23

Area of Training: ELECTRIC 812/SISSEMS So OPERATION CIRCLES

Signature of the student

EXECUTIVE ENGINEER Training and Environment / MTPS-1. Mettur Dam

diege of Angline



TH185 year K 184041. M IN-PLANT TRAINING CERTIFICATE METTUR THERMAL POWER STATION LIMITED CORPORATION LIMITED CENTRAL POWER STATION - I THE MALL POWER STAT

This is to cortily that Thin I will

B.E (EEE) of GANESH COLLEGIE OF ENGINEERING

in prairie That ? - its mapratum and ...

SALEM

Mound Thomas Station - 1, Miller Bur From 19.08 23 To 23.08.23

Ann of haining: ELECTRICACIONS SO OPERATION CIRCLES

EXECUTIVE ENGINEER

Signature of the student

SALEM-636 111. Attur Main Road, Mettupalli Ganesh College of Engineering PRINCIPAL





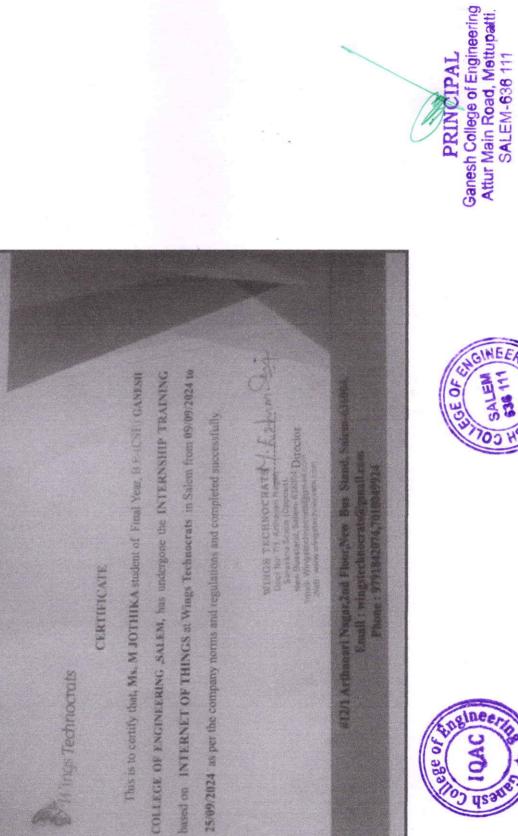


SALEM-638 111



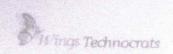






CERTIFICATE

M. H. TES Technocruits



CERTIFICATE

This is to certify that, Ms. M PRAVEENA student of Final Year, R b-(CSE) GANESH COLLEGE OF ENGINEERING SALEM, has undergone the INTERNSHIP TRAINING based on INTERNET OF THINGS at Wings Technocrats in Salem from 09/09/2024 to 25/09/2024 as per the company norms and regulations and completed successfully.

WINGS TECHNOCRAFS LISTARY SON NO. 7.1 Assume Name (Oppose)

New York State (Oppose)

New Selection Sileon Sileon (Oppose)

w Buestand, Salam, 636004. Dire

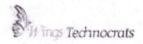
12/1 Arthunari Nagar,2nd Floor,New Bus Stand, Salem-436064.

Email: wingstechnocrats/2/gmail.com

Phone: 9791842974,7010649924







CERTIFICATE

This is to certify that, Mr. P SURENDHAR student of Final Year, B.E.(CSE) GANESH COLLEGE OF ENGINEERING ,SALEM, has undergone the INTERNSHIP TRAINING based on INTERNET OF THINGS at Wings Technocrats in Salem from 09/09/2024 to 25/09/2024 as per the company norms and regulations and completed successfully.

BOOK NO. 71, Arthuned Ringer Serveno Econs (Opposit),

#12/1 Arthanari Nagar,2nd Ploor,New Bus Stand, Salem-636064.
Email: wingsteckmerats@gmail.com
Phone: 9791842874,7010049924







17.08.2024

CERTIFICATE

We acknowledge the person Mr.K Prasanth, (Reg no. 620621114019) 3rd Year B.E. Mechanical Engineering from Ganesh college of Engineering, Salem. Has completed his internship at Kubera Honda, Omalur, Salem. The Internship period (from 01/08/2024 to 15/08/2024). He agreed to follow the rules and regulations, During the Internship period the person character is good.

For Kubera Honda,



Kubera Honda Karnish Motors Private Limited 1/396. Dhermapuri Mairis Road, OMALUR - 636 455 04290 - 220119. Sales - 94883 10572 Service - 89447 67222







17.08.2024

CERTIFICATE

We acknowledge the person Mr.G Sethupathi, (Reg no. 620621114303) 3rd Year B.E. Mechanical Engineering from Ganesh college of Engineering, Salem. Has completed his internship at Kubera Honda, Omalur, Salem. The Internship period (from 01/08/2024 to 15/08/2024). He agreed to follow the rules and regulations, During the Internship period the person character is good.

For Kubera Honda,

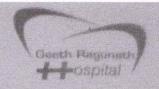


Kubera Honda Karnish Motors Private Limited

1/396, Oharmapuri Main Road, OMALUR - 636 455
Ph.: 04290 - 220119 Sales : 94863 10572 Service : 99447 67222
E-mail : oeo@kuberahonda.com, sales@kuberahonda.com







INTERNSHIP CERTIFICATE

This to certify that Miss.K.VIJAYALAKSHMI

(620620121046), studying B.E - Bio Medical Engineering,

IV - Year at Ganesh College of Engineering, Salem, have successfully completed 15 days short term internship programme at GEETH RAGUNATH HOSPITAL, ATTUR (From 12.07.2023 to 27.07.2023) during the period of her internship programme with us, she was punctual, hard working and dedication.

We wish her all success in life.

Dr.R.RABINDRANATH MBBSA, DA
Dr.R.RABINDRANATH MBBSA, DA
Dr.R.RABINDRANATH MBBSA, DA
Dr.R.RABINDRANATH MBBSA, DA
REGD. No: 8570Z.
REGD. No: 100Z.
REGD. REGD.

GEETH RAGUNATH HOSPITAL

No: 2, Gandhi Nagar, Attur - 636 102. Salem District. Ph : 04282 - 255999 (100 Lines)
email : geethragunath@gmail.com, geethragunathhospital@gmail.com
Website: www.geethragunathhospital.com







INTERNSHIP CERTIFICATE

This to certify that Ms.M.ANJANADEVI (620620121005), studying B.E - Bio Medical Engineering, IV - Year at Ganesh College of Engineering, Salem, have successfully completed 15 days short term internship programme at GEETH RAGUNATH HOSPITAL, ATTUR (From 12.07.2023 to 27.07.2023) during the period of her internship programme with us, she was punctual, hard working and dedication.

We wish her all success in life.

Dr.R.RABINDRANATH, MBBS., DA.
Dr.R.RABINDRANATH, MBBS., DA.
REGD. No: 65702.
GEETH RAGUNATH HOSPITAL
No:18.2, Gandhi Nagar,
(MBROSPING DISCRESSO(DI).

GEETH RAGUNATH HOSPITAL

No: 2, Gandhi Nagar, Attur - 636 102. Salem District. Ph : 04282 - 255999 (100 Lines)
email : geethragunath@gmail.com, geethragunathhospital@gmail.com
Website: www.geethragunathhospital.com





PRINCIPAL
Ganesh College of Engineering.
Attur Main Road, Mettupatti.
SALEM 633 111

50

JOB OFFER LETTER





MANAGEMENT SERVICES

No39, Theradi Stress. Sriperimboldur -602 105. Kanchipurum District.

INTENT OFFER LETTER

Date: 16-04-2024

To

Name: A. S. Akshaya

Department: ECE

Subject : Trainee -Intent Offer Letter

Dear A. S. Akshaya

We are pleased to inform that you have been selected in the Campus drive held at Ganesh college of Engineering on 16-04-2624. You will be designated as "Trainee" your work location is Sammina Under DRIVE MANAGEMENT SERVICE. The detailed Appointment letter would be issued to you on the date of joining, you are supposed to join on or before Augest 2024. Further, the exact date and time of joining would be instituted.

We would like to take this opportunity wish you a successful career with us

For Drive Management Services



Authorised Signature

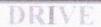
For contact- 7708902074
For E-mail- dmssabari@rediffmail.com



PRINCIPAL
Genesh College of Engineering.
Attur Main Road, Mettupatti.
SALEM-636.111







MANAGEMENT SERVICES

No39, Theradi Secon. Selperumbadur -602/05, Kanchipuran Disories

INTENT OFFER LETTER

Date: 16-04-1024

To

Name: Karthikeyan.D

Department: EEE

Subject :Trainee -Intent Offer Letter

Dear Karthikeyan.D

We are pleased to inform that you have been selected in the Campus drive held at Ganesh college of Engineering on 16-04-2024. You will be designated as "Trainee" your work location is Sammins Under DRIVE MANAGEMENT SERVICE. The detailed Appointment letter would be issued to you on the date of joining, you are supposed to join on or before Augest 2024. Further, the exact date and time of joining would be intimated.

We would like to take this opportunity wish you a successful career with us

For Drive Management Services



Authorised Signature

For contact- 7708902074 For E-mail- dmssabari@rediffmail.com





PRINCIPAL
Ganesh College of Engineering.
Attur Main Road, Mettupatti,
SALEM-636 111.







MANAGEMENT SERVICES

No39, Theradi Societ. Selpenantudur -602105, Kanchipuram District.

INTENT OFFER LETTER

Date: 16-84-1024

To

Name: Karthikeyan D

Department: EEE

Subject: Trainee -Intent Offer Letter

Dear Karthikeyan.D

We are pleased to inform that you have been selected in the Campus drive held at Ganesh college of Engineering on 16-04-2024. You will be designated as "Trainee" your work location is Sammina Under DRIVE MANAGEMENT SERVICE. The detailed Appointment letter would be issued to you on the date of joining, you are supposed to join on or before Augest 2024. Further, the exact date and time of joining would be intimated.

We would like to take this opportunity wish you a successful career with us

For Drive Management Services



Authorised Signature

For contact- 7708902074
For E-mail- dmssabari@rediffmail.com



РНОТО

PRINCIPAL
Ganesh College of Engineering.
Attur Main Road, Mettupatti,
SALEM-636 111.







No39, Theradi Street, Srigerumbudur -602 (05, Kanchiguran District.

INTENT OFFER LETTER

Date: 16-04-2024

Te

Name: M.Nesamani

Department: Civil Engineering

Subject :Trainee -Intent Offer Letter

Dear M.Nesamani

We are pleased to inform that you have been selected in the Campus drive held at Gauesh college of Engineering on 16-04-2024. You will be designated as "Trainee" your work location is Sammina Under DRIVE MANAGEMENT SERVICE. The detailed Appointment letter would be issued to you on the date of joining, you are supposed to join on or before Augest 2024. Further, the exact date and time of joining would be intimated.

We would like to take this opportunity wish you a successful career with us

For Drive Management Services



Authorised Signature

of English

For contact- 7708902074 For E-mail- dmssabari@rediffmail.com



PHOTO

PRINCIPAL
Genesh Cellege of Engineering.
Attur Main Road, Mettupartti,
SALEM-636 111.





INTENT OFFER LETTER

Date: 16-04-2024

To

Name: M.B. Tamilarasan

Department: Mechanical Engineering

Subject :Trainer -Intent Offer Letter

Dear M.B. Tamilarasan

We are pleased to inform that you have been selected in the Campus drive held at Ganesh college of Engineering on 16-04-2024. You will be designated as "Trainee" your work location is Sammins Under DRIVE MANAGEMENT SERVICE. The detailed Appointment letter would be issued to you on the date of joining, you are supposed to join on or before Augest 2024. Further, the exact date and time of joining would be intimated.

We would like to take this opportunity wish you a successful career with us

For Drive Management Services



Authorised Signature

For Contact- 7708902074
For E-mail- dmssabari@rediffmail.com



PRINCIPAL
Ganesh College of Engineering.
Attur Main Road, Mettupatti,
CALEMA 25 111

PHOTO





DETAILS OF STUDENTS PROJECT







GANESH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Attur Main Road, Mettupatti, Salem - 636 111, Tamilnadu, India
Phone: 0427 - 2211212, +91 9865440414

E-Mail: principal@ganeshenggcollege.org

www.ganeshenggcollege.org

Department of Electronics and Communication Engineering Project List Acaedmic year 2023-2024

Year/ Semester: IV/VIII

		Teal/ Semester: IV/VIII			
Batch	Reg.No	Name of the students	Gudie	Project Title	
	620620106002	AKASHAYA A S		DESIGN AND IMPLEMENTATION OF BLOCK CHAIN BASED VOTING SYSTEM USING IOT	
	620620106010	MUTHULAKSHMI M	Mr. P.BalaSubramaniyam AP/ECE		
	620620106015	RAJESWARI S	AF/ECE		
. 1	620620106020	SIVASAKTHI K			
	620620106021	SNEHA P		IOT INTEGRATED MODERN FINGERPRINT BASEDVECHILE AUTHORIZED IGNITION STARTER AND PETROL THEFT	
	620620106009	MEENA M	Ms. E.keerthika AP/ECE		
	620620106301	KUMARAVEL P			
2	620620106013	PRATHAP		IDENTIFICATION SYSTEM	
	620620106019	SANJAY KANTH S			
	620620106005	GOKUL G	Mr. T.Karthick AP/ECE	NEXT GENRAILWAY TRACK MONITORING AND CONTROLLED BY IOT	
	620620106006	GOKULRAJ G			
3	620620106007	GOWTHAMAN			





	6206201060303	NAGARAJAN C			
	620620106305	SANJAI R	Mr.M.Vasanth AP/ECE	SMART BLOOD BANK SYSTEM BASED ON IOT	
	620620106306	THAMARAISELVAN S			
4	620620106004	AVIN G			
	620620106011	NAVEEN KUMAR S		IOT BASED SOLAR PANEL POWER MONITORING SYSTEM USING MOBILE CHARGER	
5	620620106026	VINOTH S	Mr. S.Manivanan AP/ECE		
	620620106008	HARIHARAN A			
	620620106013	PRASANNA A		ALOBERT CHINOE	
	620620106012	PATTAIYATHAN K		IOT BASED RFID ATTENDANCE	
6	620620106025	VETRIVEL V	Mrs. S.Viji AP/ECE	SYSTEM USING ESP32	







DESIGN AND IMPLEMENTATION OF BLOCK CHAIN BASED VOTING SYSTEM , USING 10T



A PROJECT REPORT

Submitted by

A.S.AKSHAYA (620620106002)

A.MUTHULAKSHM (620620106010)

S.RAJESWARI

(620620106015)

K.SIVASAKTHI

(620620106020)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

GANESH COLLEGE OF ENGINEERING, SALEM ANNA UNIVERSITY: CHENNAI 600 025 MAY 2024





ANNA UNIVERSITY: CHENNAL 600-025 BONAFIDE CERTIFICATE.

OF BLOCK CHAIN BASED VOTING SYSTEM USING IOT "a the borafide work of "AKSHAYA.A.S (620620106002), A.MUTHULAKSHMI (620620106010), RAJESWARLS (620620106015), SIVASAKTHLK (620620106020)" who carried not the groject work under my supervision.

SIGNATURE

Mr.S.MANIVANNAN, M.E.,

HEAD OF THE DEPARTMENT

Department of ECE

Gauesh College of Engineering

Dir. D

SIGNATURE

Mrs.S.VIII.M.E.,

SUPERVISOR

Department of ECE

Ganesh College of Engineering

Submitted for the ANNA UNIVERSITY examination held on 11/05/2024

INTERNATIONAL

EXTERNAL EXAMINER

1







IOT BASED VEHICLE FUEL THEFT MONITOR USING FINGERPRINT SENSOR



A PROJECT REPORT

Submitted by

MEENA.M

- (620620106009)

PRATHAP.P

- (620620106014)

SNEHA.P

- (620620106021)

KUMARAVEL.P

- (620620106301)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

> GANESH COLLEGE OF ENGINEERING SALEM

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2024





ANNA UNIVERSITY : CHENNAI 600 025 BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED VEHICLE FUEL THEFT MONITOR USING FINGERPRINT SENSOR" is the bonafide work of "MEENA.S (620620106009), PRATHAP.P (620620106014), SNEHA.P (620620106021), KUMARAVEL.P (620620106301)" who carried out the project work under my supervision.

SIGNAFIRE

Mr.S.MANIVANNAN, M.E.,

HEAD OF THE DEPARTMENT

Department of ECE

Ganesh College of Engineering

SIGNATURE

E.KEERTHIKA.,M.E.,

SUPERVISOR

Department of ECE

Ganesh College of Engineering

Submitted for the ANNA UNIVERSITY examination held on 11. US 2024

INTERNAL CLANISOR

EXTERNAL EXAMINER





ABSTRACT

This paper proposes an IoT- incorporated present day unique finger impression based vehicle approved start starter and petroleum burglary recognizable proof framework. The framework works through a mix of biometric verification, continuous network, and high level observing capacities. A biometric finger impression acknowledgment module is incorporated into the vehicle's start framework, permitting just approved clients to begin the vehicle after fruitful confirmation. This guarantees that main people with enlisted fingerprints can get to and work the vehicle. Moreover, the framework consolidates IoT network, empowering consistent correspondence between the vehicle and a focal observing stage. Approved clients, like vehicle proprietors or armada chiefs, can remotely screen the vehicle's status, including start occasions and fuel levels, by means of a versatile application or web interface. Ongoing alarms are set off for any unapproved access endeavours or dubious exercises, enabling clients to make a quick move in light of potential security dangers. Notwithstanding vehicle access control, the framework incorporates fuel level checking sensors to identify any critical reductions in fuel levels. This usefulness empowers the distinguishing proof of fuel robbery occurrences, with alarms created at whatever point unapproved fuel siphoning or altering is recognized. Geofencing innovation further improves security by characterizing virtual limits for the vehicle's activity and setting off cautions when the vehicle moves outside assigned regions without approval. Information logging and examination capacities are incorporated into the framework, considering the capacity and investigation of start occasions, fuel level changes, and security alarms. This information driven approach works with the ID of examples of abuse or robbery, empowering proactive safety efforts and preventive activities.







NEXT-GEN RAILWAY TRACK MONITORING AND CONTROLLED BY 10T



A PROJECT REPORT

Submitted by

GOKUL.G

(620620106005)

GOKULRAJ.G

(620620106006)

GOWTHAMAN.S

(620620106007)

SANJAY KANTH.S (620620106019)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF ELECTRONICS AND COMMUNICATION **ENGINEERING**

GANESH COLLEGE OF ENGINEERING, SALEM ANNA UNIVERSITY: CHENNAI 600 025 MAY 2024





ANNA UNIVERSITY : CHENNAI 600 025 BONAFIDE CERTIFICATE

Certified that this project report "NEXT-GEN RAH, WAY TRACK MONITORING AND CONTROLLED BY IOT" is the bonsafide work of "GOKUL,G (620620106005), GOKULRAJ,G (620620106006), GOWTHAMAN,S (620620106007), SANJAY KANTH,S (620620106019)" who carried out the project work under my supervision.

SIGNATURE

MES.MANIVANNAN, M.E.,

HEAD OF THE DEPARTMENT

Department of ECE

Ganesh College of Engineering

ce.rip

SIGNATURE

Mrs.S.VIJI, M.E.,

SUPERVISOR

Department of ECE

Ganesh College of Engineering

Submitted for the ANNA UNIVERSITY examination held on 11.05 - 2024

INTERNAL EXMONER

EXTERNAL EXAMINER





ABSTRACT

This paper proposes a new method for monitoring the irregularities in ailway tracks by updating the status of the tracks in the cloud. The IoT based Railway frack Monitoring System (IoT-RMS) is proposed for monitoring the condition of the ailway track. The system identifies any abnormality in the tracks at an early stage. It s intended to propose a device which can automatically detect any cracks in railway racks. The created device will be attached into the train engine and it consists of a sensor that will detect crack a few meters away and as soon as any crack is detected the train driver will get a signal so be can apply emergency brakes along with it the authorities will be notified with the correct location at which the fault is detected. The proposed approach is benign because the Indian Railway is the biggest railway network in Asia so there should be an efficacious methodology to detect and correct any kind of mishap due to railway tracks. The proposed system is different from others because the device is embedded in the train itself, which could reduce manual work and labour wages, a new hybrid method is proposed for locating irregularities on a track; even in the absence of a GPS signal. Pre-processing of the GPS signal is carried out effectively because the sensors used in IoT-RMS are capable of functioning in a high noise environment. The IoT-RMS updates the location of the abnormality in the cloud and shares it with other trains that will be passing through that location. This project aims at the eradication of any kind of casualty in Indian Railway and if this system creates, even if a small refinement it will make a difference in the nation.

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DEPARTMENT OF CIVIL ENGINEERING PROJECT LIST ACAEDMIC YEAR 2023-2024

YEAR/ SEMESTER: IV/VIII

S.NO	ВАТСН	REG.NO	NAME OF THE STUDENT	GUIDE	PROJECT TITLE
1	I	620620103002, 620620103003, 620620103301, 620620103302, 620620103303	M.KAVIBHARATHI K.RAHUL T.DINESHKUMAR A.JEEVANANTHAN NESAMAI.M	TAMILARASI.S	An Experimental investigation of high strength concrete using manufacturing sand







AN EXPERIMENTAL INVESTIGATION OF HIGH STRENGTH CONCRETE USING MANUFACTURING SAND



A PROJECT REPORT

Submitted by

KAVIBHARATHI M (620620103002)

RAHUL K (620620103003)

DINESHKUMAR T (620620103301)

JEEVANANTH A (620620103302)

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Of

BACHELOR OF ENGINEERING IN CIVIL ENGINEERING

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BONAFIDE CERTIFICATE

Certificate that this project report "AN EXPERIMENTAL INVESTIGATION OF HIGH STRENGTH CONCRETE USING MANUFACTURING SAND", A REVIEW " is the bonafide work of "A.JEEVANANTH (620620103302), who carried out the project under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER





ABSTRACT

High strength concrete replaced manufactured sand is the more advantage in the Construction industry. The main objective of High strength concrete to develop the compressive strength of concrete by replacing Natural sand into Manufacture sand and using admixture.

To examine the workability of manufactured sand and using admixture in concrete. To investigate the performance of this concrete terms of its compressive strength and split tensile strength.

This paper puts forward the applications of manufactured and as an attempt towards sustainable development in India. It will help to find variable solution to the declining availability of natural sand to make eco-balance. Manufactured sand is one among such materials to replace river sand, which can be used as an alternative fine aggregate in mortars and concretes.

The use of manufactured sand in concrete is gaining momentum these days. The present experimental investigations have been made on concrete using manufactured sand as fine aggregate and observed the effects of crushed manufactured sand on strength properties of concrete.

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YEAR/ SEMESTER: IV/VIII

BATCH NO	REG.NO	NAME	PROJECT TITLE	GUIDE
	620620114009	NAVEEN K	OPTIMIZATION DESIGN,	M.RAMKUMAR
1	620620114321	YOGESHWARAN V	MODELING AND DYNAMIC ANALYSIS OF WIND	
	620620114316	RAGHUL K	TURBINE BLADE	
	620620114003	ISRAVEL PRASANNA K	STRUCTURAL AND THERMAL ANALYSIS OF	V.JAGADEESHWAR
2	620620114005	KALAIVANAN G	GAS TURBINE BLADE USING	
	620620114314	NARESH K	BY FINITE ELEMENT METHOD	
	620620114304	BALAJI J	MECHANICAL BEHAVIOUR	E.VENKATESAN
3	620620114019	VIGNESH T	OF AL METAL MATRIX COMPOSITE SPUR GEAR WITH VARIOUS	
	620620114007	MAHESWARAN V	REINFORCEMENTS	
	620620114501	TAMILARASAN M B	ANALYSIS OF DRILLING PARAMETERS FOR	S.SIVAKUMAR
4	620620114016	SHARAN J	VARYING CONE ANGLE ON SS309 BY USING VMC	
	620620114006	LOGANATHAN S	DRILLING	
	620620114309	KAVINRAJ P	FABRICATION OF GEARLESS	I.ANGU
5	620620114307	JEROSLINTONY A	POWER TRANSMISSION USING ELBOW MECHANISM	
	620620114308	KABILAN K R	FOR RIGHT ANGLE	
6	620620114001	BOOPALAN M		M.RAMKUMAR
	620620114012	RAMANA V	MECHANICAL PROPERTIES AND TESTING OF	
	620620114018	VELAN V	FRICTION STIR WELDED ALUMINUM ALLOY 2024	
	620620114004	JEEVA A	SIMILAR JOINTS	





7	620620114302	ARAVINTH M	MECHANICAL BEHAVIOUR	E.VENKATESAN
	620620114318	SUBASH F	OF AL METAL MATRIX COMPOSITE SPUR GEAR WITH VARIOUS REINFORCEMENTS	
	620620114305	BHARATH J		
8	620620114312	NANTHA KUMAR G	ANALYSIS OF DRILLING	V.JAGADEESHWAR
	620620114317	RANJITH S	PARAMETERS FOR VARYING CONE ANGLE ON	
	620620114319	SURYAGOKUL	SS309 BY USING VMC DRILLING	





STRUCTURAL AND THERMAL ANALYSIS OF GAS TURBINE BLADE USING BY FINITE ELEMENT METHOD

A PROJECT

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INTERNAL EXAMINER

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EXTERNAL EXAMINER





ABSTRACT

The design optimization of wind turbine blades through investigating the design methods and analyzing the performance of the blades. The current research work in this area include wind turbine blade geometric design and optimization, aerodynamics analysis, wind turbine blade structural design and dynamics analysis. Blade geometric design addresses the design parameters, including airfoils and their aerodynamic coefficients, attack angles, design tip speed ratio, design and/or rated wind speed, rotor diameter, blade aerodynamic shape with chord length and twist distributions, so that the blade achieves an optimum power performance. The geometry of the blade is an aerodynamic shape with nonlinear chord and twist distribution, which can be obtained based on the BEM theory with respect to given aerofoil with known aerodynamic coefficients. In terms of blade aerodynamics analysis, there are four types of aerodynamic models which can be used to predict the aerodynamic performance of blades, including blade element momentum (BEM) model, lifting panel and vortex model, actuator line model, and computational fluid dynamics (CFD) model.

The aerodynamic contour design and performance analysis of wind turbine blades are important parts of the design theory and application of wind turbine. According to the space coordinate transformation theory, the space coordinates of the blade elements have been calculated .Aiming at the dynamic performance analysis of composite blade, a modeling method of combining Unigraphics NX 8.5 with ANSYS was proposed referred to the actual layer structure. Dynamic analysis was performed for the blade by using the finite element method. This study has been successfully applied to production of 20KW composite wind turbine blades.





OPTIMIZATION DESIGN, MODELING AND DYNAMIC ANALYSIS OF WIND TURBINE BLADE PROJECT REPORT

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ABSTRACT

The design optimization of wind turbine blades through investigating the design methods and analyzing the performance of the blades. The current research work in this area include wind turbine blade geometric design and optimization, aerodynamics analysis, wind turbine blade structural design and dynamics analysis. Blade geometric design addresses the design parameters, including airfoils and their aerodynamic coefficients, attack angles, design tip speed ratio, design and/or rated wind speed, rotor diameter, blade aerodynamic shape with chord length and twist distributions, so that the blade achieves an optimum power performance. The geometry of the blade is an aerodynamic shape with nonlinear chord and twist distribution, which can be obtained based on the BEM theory with respect to given aerofoil with known aerodynamic coefficients. In terms of blade aerodynamics analysis, there are four types of aerodynamic models which can be used to predict the aerodynamic performance of blades, including blade element momentum (BEM) model, lifting panel and vortex model, actuator line model, and computational fluid dynamics (CFD) model.

The aerodynamic contour design and performance analysis of wind turbine blades are important parts of the design theory and application of wind turbine. According to the space coordinate transformation theory, the space coordinates of the blade elements have been calculated .Aiming at the dynamic performance analysis of composite blade, a modeling method of combining Unigraphics NX 8.5 with ANSYS was proposed referred to the actual layer structure. Dynamic analysis was performed for the blade by using the finite element method. This study has been successfully applied to production of 20KW composite wind turbine blades.







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DEPARTMENT OF COMPUTERSCIENCE AND ENGINEERING ACADEMIC YEAR- 2023 TO 2024

YEAR/ SEMESTER: IV/VIII

S.NO	BATCH NO	REG NO	NAME	TITLE	GUIDE
1	BATCH 1	620620104001	AJAY SRIWAG I	ELECTRONIC VOTING SYSTEM USING BLOCKCHAIN	R.SUNDRAM
2		620620104010	GOKUL K P		
3		620620104012	GOPI V		
4		620620104025	SANTHANA PANDIYAN P		
5		620620104003	BHARATH R	DROWSINESS DETECTION MODEL USING PYTHON	M.MAHALAKSHMI
6	BATCH 2	620620104013	GOWRISANKAR P		
7		620620104024	SANJAYKUMAR M		
8 .		620620104016	KARTHIKRAJA G		
9	BATCH 3	620620104015	KAMATCHI R	DIAGNOSIS OF BRAIN DISEASES IN FUSION OF NEUROIMAGING MODALITIES USING DEEP LEARNING	C.SILAMBARASAN
10		620620104006	DEVADHARSHINI D		
11	3	620620104008	ELAKKIYA S		
12		620620104308	SAVITHA.V		
13	BATCH 4	620620104007	DHANAZHAKI M	REAL-TIME POTHOLE DETECTION USINGDEEP LEARNING	G.KALAIVANI
14		620620104014	JEEVA M		
15		620620104019	NAVEEN R		
16		620620104301	HARIHARAN.G	DEFIGURE	







Diagnosis of brain diseases in fusion of neuroimaging modalities using deep learning



PROJECT REPORT

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17	BATCH 5	620620104017	KARTHIKVEL N	DEEP FAKE DETECTION ON SOCIAL MEDIAL LEVERAGING DEEP LEARNING AND FAST TEXT EMBEDDEINGS FOR IDENTIFYING MACHINE- GENERATED TWEETS		
18		620620104028	SIVALAKSHMI S			
19		620620104033	VEERATHAMIZHAN V			
20		620620104004	BOOPATHI S		V.THANGAPONNU	
21	ВАТСН 6	620620104029	SNEHA M	SECURING		
22		ВАТСН 6	620620104005	DEEPAK A	DATA WITH BLOCKCHIAN AND V.SOWN	V COMP HV
23			620620104027	SITHENTHIRAN P		V.SOWMIYA
24		620620104011	GOKULAVASANTH R	ARTIFICIAL INTELLIGENCE		
25	BATCH 7	620620104031	SURYA B	REVIEW SPAM		
26		DATCH 7	620620104020	NIKKESH G	DETECTION USING R	D DEWATH
27		620620104021	NISHANTHKUMAR S	MACHINE K.I	R.REVATHI	
28		620620104305	NANDHAKUMAR.S	LEARNING		
29	29 30 BATCH 8	620620104032	THANGARASU P	FROM CHATGPT	3	
30		620620104026	SATHISHKUMAR S	TO THREAT GPT:IMPACTOF		
31		620620104030	SRIRÁM Y		A.BABY SHARMILA	





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Certificate that this project report "DIAGNOSIS OF BRAIN DISEASES IN FUSION OF NEUROIMAGING MODALITIES USING DEEP LEARNING", A REVIEW is the Borafide work of "R.KAMATCHI, D.DEVA DHARSHINI, S.ELAKIYA, V.SAVITHA", who carried out the project under my supervision.

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Submitted for the project vivo-voice held on 13, 05, 2024 at Ganesh College of Engineering

INTERNAL EXAMINER

EXTERNAL EXAMINER

ii







Deep fake detection on Social Media Leveraging Deep Learning and Fast Text Embeddings for Identifying Machine-Generated Tweets



PROJECT REPORT

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ertificate that this project report "Deep fake Detection on Social Media Leveraging beep Learning and Fast Text Embeddings for Identifying Machine-Generated weets" is the bona fide work of "N.KARTHIKVEL, S.SIVALAKSHMI, V.VEERA HAMIZHAN, S.BOOPATHI " who carried out the project under my supervision.

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