



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

**ACADEMIC YEAR**

**2020 - 2021**

**PROBLEM SOLVING  
METHODOLOGIES**



# **ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

## **PROBLEM SOLVING METHODOLOGIES**

**ACADEMIC YEAR 2020-2021**

### **INDEX**

<b>S.NO.</b>	<b>CONTENT</b>	<b>PAGE NO</b>
1.	MAIN PROJECT	3
2.	MINI PROJECT	98



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

# **MAIN PROJECT**



# ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)  
(An ISO 9001: 2015 Certified Institution)  
ANGUCHETTYPALAYAM, PANRUTI – 607 106.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING PROJECT BATCH LIST

PERIOD: DEC – MAY 2021

BATCH: 2017-2021

YEAR/ SEMESTER: IV / VIII

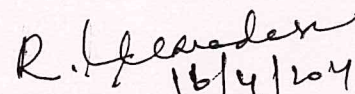
S. No.	REGISTER NO.	NAME	TITLE OF THE PROJECT	NAME OF THE GUIDE
1	422117104001	ABINAYA K	FAKE USER IDENTIFICATION ON SOCIAL NETWORKS	BRITTA DEVI
	422117104002	ABIRAMI A		
	422117104005	ANUSHIYA L		
2	422117104008	ASHWINI R	DIABETIC RETINOPATHY - RETINA VESSELS CLASSIFICATION USING DEEP LEARNING TECHNIQUES	SR.PUNITHA JILT
	422117104006	ARUNA M		
	422117104058	VARSHA M R		
3	422117104032	MONISHA K	ATTRIBUTE-BASED ACCESS CONTROL WITH DATA IN CLOUD STORAGE	MR.RAJARAJAN
	422117104014	HEMALATHA D		
	422117104054	THENARUVI A		
4	422117104044	SANGEETHA R	SECURE SCHEME FOR MEDICAL IMAGE STORAGE IN CLOUD	MRS.D.PAULINE FREEDA
	422117104009	ASWINI K		
	422117104021	KANNIYAMMAL E		
5	422117104023	KAVITHA K	INTEGRATION OF CHATBOT WITH EDUCATION FOR THE SMART LEARNING	MISS. BRITTA DEVI
	422117104033	MONISHA M		
	422117104059	VISHNUPRIYA R		

6	422117104035	PERIYA NAYAGA MARY S	EASY VISION – AN ANDROID APPLICATION	MR.MANAVALAN
	422117104011	BHUVANESWARI K		
	422117104010	BABEYOLA A		
7	422117104013	HANUSHA R	AUTOMATED SOFTWARE TESTING USING GENETIC ALGORITHM	MRS.INDUMA,AP
	422117104030	MANISHA KOYARALA M		
	422117104057	VANITHA B		
8	422117104028	LIZYPRAVARTHANA J	INTEGRITY AND PRIVACY PRESERVING OF DATA FOR SECURE CLOUD STORAGE USING THIRD PARTY AUDITOR	MRS.Z.ASMATH UNNISA
	422117104026	KAVIYA G (20-07-2000)		
	422117104042	ROJA S		
9	422117104027	LEEMA ROSE A	TRANSMISSION OF DYNAMIC DATA SECURELY BY USING VSN BY ADAPTING BLOCKCHAIN NETWORK	MRS.Z.ASMATH UNNISA
	422117104040	RAMYA R		
10	422117104048	SIVASANKARI K	IOS BASED AUTOMATED SAFETY INDUSTRIAL SYSTEM	MR.N.KUMAR
	422117104049	SOWMIYA E		
	422117104020	KAMALI K		
11	422117104022	KARTHIKEYAN N	FACE MASK DETECTION AND PERSON IDENTIFICATION	SR.PUNITHA JILT
	422117104007	ARUN PANDIYAN S		
	422117104045	SANTHOSH S		
	422117104304	VADALARASAN G.P		
12	422117104041	RANJITH KUMAR R	TRACING WEBSITE ATTACKERS IN TOR NETWORK USING LOG FILES	MRS.D.PAULINE FREEDA
	422117104036	PRADEEP A		
	422117104003	AJITH KUMAR S		

13	422117104039	RAJKUMAR M	A MACHINE LEARNING APPROACH TO PREDICT AIR QUALITY IN INDIA	MRS.INDUMA
	422117104018	JULIAN KENNADY P		
	422117104047	SHARCHANDAR P		
14	422117104004	AJITH REVILDO M	DROWSINESS DETECTION	MR.N.KUMAR
	422117104303	RAKESH JAGADISH L		
	422117104301	ARUN P		
15	422117104029	MADHAVAN J	DEEP LEARNING BASED IDENTIFICATION OF NOVEL CORONA VIRUS USING LUNG(LUS)	MR.N.KUMAR
	422117104017	JASTINRAJ P		
	422117104038	PRAVEENKUMAR P		
	422117104055	THIRUMALVALAVAN G		
16	422117104046	SANTHOSH KUMAR J	FARMER TRADE USING ANDROID APPLICATION	MISS. BRITTA DEVI
	422117104050	SRINIVASAN M		
	422117104052	TAMIL SELVAN V		

  
PROJECT COORDINATOR

  
HOD

  
16/4/2017  
PRINCIPAL

# **FAKE USER IDENTIFICATION ON SOCIAL NETWORKS**

## **A PROJECT REPORT**

*Submitted by*

<b>ABINAYA K</b>	<b>422117104001</b>
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<b>ANUSHYA L</b>	<b>422117104005</b>

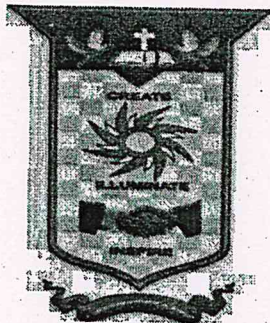
*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



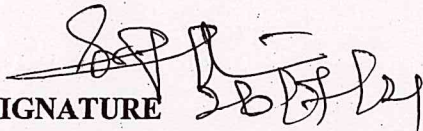
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**APRIL 2021**

ANNA UNIVERSITY:: CHENNAI 600 025

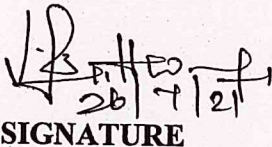
**BONAFIDE CERTIFICATE**

Certified that this project report "fake user identification on social networks" is the bonafide work of **ABINAYA.K(422117104001), ABIRAMI.A(422117104002), ANUSHIYA.L(422117104005)** who carried out the project work under my supervision.

  
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**Sr. A.PUNITHA JILT, M.Tech.,  
HEAD OF THE DEPARTMENT**

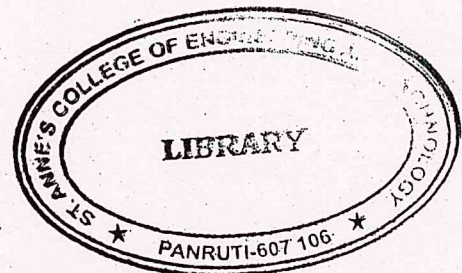
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Submitted for the Project Viva-Voce examination held on .....2...8...21



  
External Examiner

**External Examiner**



**DIABETIC RETINOPATHY RETINAL VESSELS  
CLASSIFICATION USING DEEP LEARNING  
TECHNIQUES**

**A PROJECT REPORT**

*Submitted by*

<b>M. ARUNA</b>	<b>422117104006</b>
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<b>M. R. VARSHA</b>	<b>422117104058</b>

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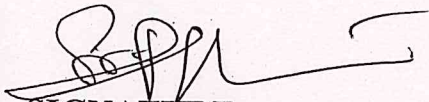


**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**


## BONAFIDE CERTIFICATE

Certified that this project report "DIABETIC RETINOPATHY RETINAL VESSELS CLASSIFICATION USING DEEP LEARNING TECHNIQUES" is the bonafide work of M. ARUNA (422117104006), R. ASHWINI (422117104008), M. R. VARSHA (422117104058), who carried out the project work under my supervision.



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Submitted for the Project Viva-Voce examination held on ..2..8..20..21



  
2/8/2021  
**Internal Examiner**

**External Examiner**

**ATTRIBUTE-BASED ACCESS CONTROL WITH DATA  
IN CLOUD STORAGE**

**A PROJECT REPORT**

*Submitted by*

<b>HEMALATHA .D</b>	<b>(422117104014)</b>
<b>MONISHA .K</b>	<b>(422117104032)</b>
<b>THENARUVI .A</b>	<b>(422117104054)</b>

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



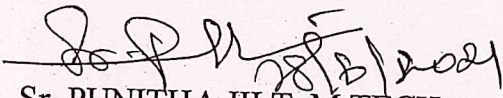
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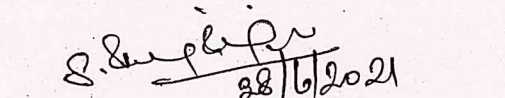
**APRIL 2021**

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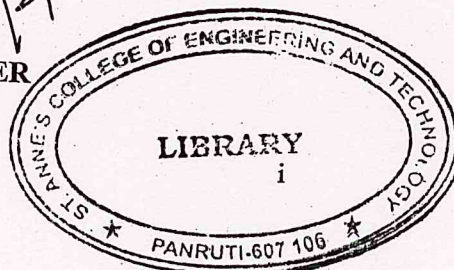
Certified that this report titled "ATTRIBUTE-BASED ACCESS CONTROL WITH DATA IN CLOUD STORAGE" is the bonafide work of HEMALATHA. D (422117104014), MONISHA .K (422117104032) and THENARUVI. A (422117104054) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

  
Sr. PUNITHA JILT, M.TECH.,  
Professor and Head,  
Department of Computer Science  
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Mr. S. RAJARAJAN., M.E.,  
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Submitted to the viva voce examination held on 02.08.2021

  
INTERNAL EXAMINER



EXTERNAL EXAMINER

**SECURE SCHEME FOR MEDICAL IMAGE STORAGE  
IN CLOUD**

**A PROJECT REPORT**

*Submitted by*

<b>ASWINI K</b>	<b>422117104009</b>
<b>KANNIYAMMAL E</b>	<b>422117104021</b>
<b>SANGEETHA R</b>	<b>422117104044</b>

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**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



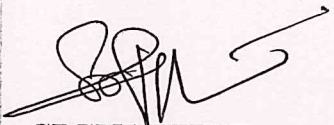
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**APRIL 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

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**Sr. A. PUNITHA JILT, M. Tech.,  
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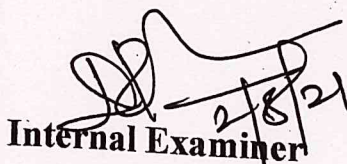


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**MRS. D. PAULINE FREEDA, M.E.,  
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Submitted for the Project Viva-Voce examination held on 02.08.2021



**Internal Examiner**

**External Examiner**

226  
Main project 21  
11/6/2021

**INTEGRATION OF A CHATBOT WITH EDUCATION FOR THE  
SMART LEARNING**

**A PROJECT REPORT**

*Submitted by*

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**422117104059**

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**BACHELOR OF ENGINEERING**

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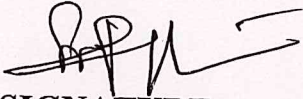
**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**

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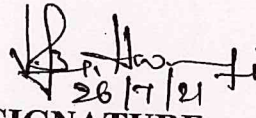
**BONAFIDE CERTIFICATE**

Certified that this project report "INTEGRATION OF CHATBOT WITH EDUCATION FOR THE SMART LEARNING" is the bonafide work of KAVITHA K (422117104023), MONISHA M (422117104033), VISHNUPRIYA R (422117104059), who carried out the project work under my supervision.



**SIGNATURE**


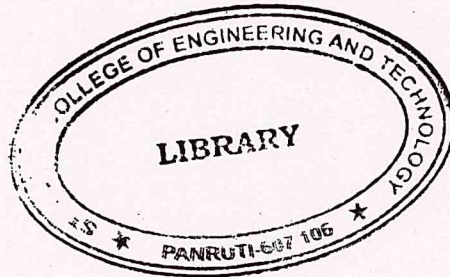
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**Internal Examiner**

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# **EASY VISION-AN ANDROID APPLICATION**

## **A PROJECT REPORT**

*Submitted by*

**A.BABEYOLA**

**422117104010**

**K.BHUVANESHWARI**

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*in partial fulfilment for the award of the degree*

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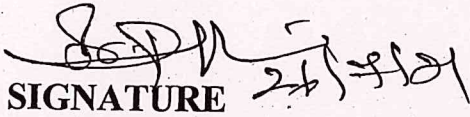
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**APRIL 2021**


**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "EASY VISION - AN ANDROID APPLICATION" is the bonafide work of A.BABEYOLA (4221171040010), K.BHUVANESHWARI (422117104011), S. PERIYA NAYAGA MARY (422117104035) who carried out the project work under my supervision.

  
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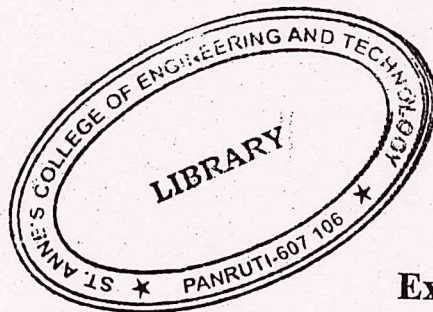
**Sr. A.PUNITHA JILT, M.Tech.,  
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Submitted for the Project Viva-Voce examination held on ...02...08:2021

  
Internal Examiner



External Examiner

**AUTOMATED SOFTWARE TESTING USING GENETIC ALGORITHM**  
**A PROJECT REPORT**

*Submitted by*

**R.HANUSHA** (422117104013)  
**M.MANISHA KOYARALA** (422117104030)  
**B.VANITHA** (422117104057)

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**PANRUTI**



**ANNA UNIVERSITY::CHENNAI 600 025**



**APRIL 2021**

ANNA UNIVERSITY::CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this project report "AUTOMATED SOFTWARE TESTING USING GENNETIC ALGORITHM" is the bonafide work of "R. HANUSHA (422117104013), M. MANISHA KOYARALA (422117104030), B. VANITHA (422117104057)" who carried out the project work under my supervision.



**SIGNATURE**

**Sr. A. PUNITHA JILT, M.Tech.,**

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Department of Computer Science

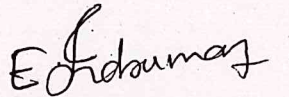
and Engineering,

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Panruti.



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**Mrs. E. INDHUMA, M.E.,**

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Assistant Professor

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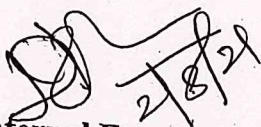
and Engineering,

St.Anne's College of Engineering

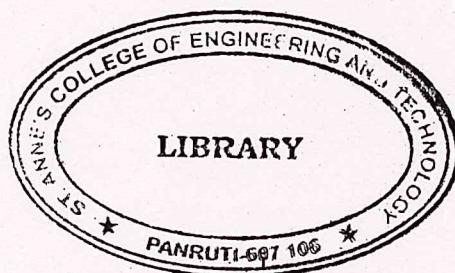
and Technology, Anguchettyalayam,

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Submitted for the ANNA UNIVERSITY examination held on .02..08..2021.



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**External Examiner**

**INTEGRITY AND PRIVACY PRESERVING OF DATA  
FOR SECURE CLOUD STORAGE USING THIRD  
PARTY AUDITOR**

**A PROJECT REPORT**

*Submitted by*

**KAVIYA G**

**422117104026**

**LIZY PRAVARTHANA J**

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**ROJA S**

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**BACHELOR OF ENGINEERING**

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**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



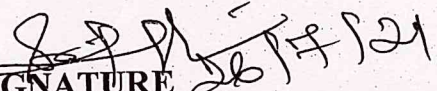
**ANNA UNIVERSITY:: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

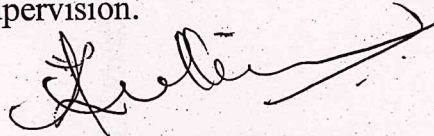
Certified that this project report "INTEGRITY AND PRIVACY PRESERVING OF DATA FOR SECURE CLOUD STORAGE USING THIRD PARTY AUDITOR" is the bonafide work of KAVIYA G (422117104026), LIZY PRAVARTHANA J (422117104028), ROJA S (422117104042), who carried out the project work under my supervision.

  
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Sr. A. PUNITHA JILT, M.Tech.,

**HEAD OF THE DEPARTMENT**

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and Engineering,  
St. Anne's College of Engineering  
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Panruti.




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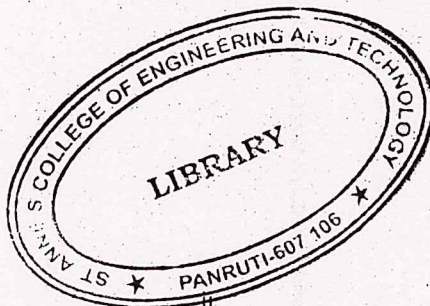
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Submitted for the ANNA UNIVERSITY examination held on 02.08.2021

  
Internal Examiner



Extenal Examiner

**TRANSMISSION OF DYNAMIC DATA SHARING  
SECURELY BY USING VSN BY ADAPTING  
BLOCKCHAIN**

**A PROJECT REPORT**

*Submitted by*

**A.LEEMA ROSE**

**422117104027**

**R.RAMYA**

**422117104040**

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



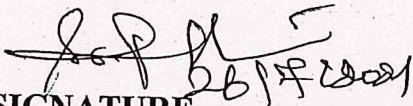
**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

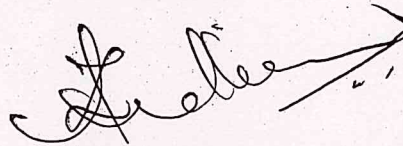
**BONAFIDE CERTIFICATE**

Certified that this project report "TRANSMISSION OF DYNAMIC DATA SECURELY BY USING VSN BY ADAPTING BLOCKCHAIN" is the Bonafide work of A.LEEMAROSE(422117104027),R.RAMYA(422117104040), who carried out the project work under my supervision.



**SIGNATURE**

**Sr. A.PUNITHA JILT, M.Tech.,  
HEAD OF THE DEPARTMENT**  
Department of Computer Science  
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and Technology,  
Anguchettypalayam,  
Panruti.



**SIGNATURE**

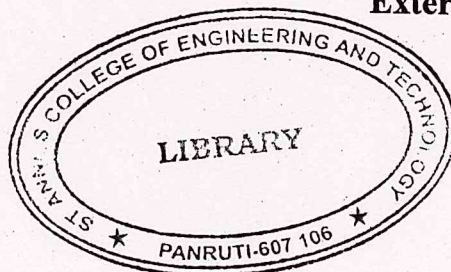
**Mrs.Z.ASMATHUNNISA, M.Tech.,  
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Assistant Professor  
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Submitted for the Project Viva-Voce examination held on 2/8/21.....



**Internal Examiner**

**External Examiner**





**IOT BASED AUTOMATED SAFETY INDUSTRIAL  
SYSTEM**

**A PROJECT REPORT**

**Submitted by**

<b>KAMALI K</b>	<b>422117104020</b>
<b>SIVASANKARI K</b>	<b>422117104048</b>
<b>SOWMIYA E</b>	<b>422117104049</b>

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

**of**

**BACHELOR OF ENGINEERING**

**in**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

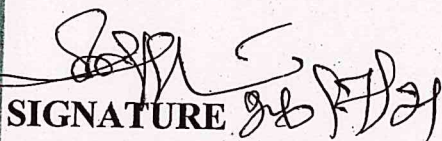
**APRIL 2021**



ANNA UNIVERSITY::CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this project report "IOT Based Automated Safety Industrial System" is the bonafide work of KAMALI K (422117104020), SIVASANKARI K (422117104048), SOWMIYA E (422117104049), who carried out the project work under my supervision.

  
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Internal Examiner

External Examiner

**FACE MASK DETECTION AND PERSON  
IDENTIFICATION**

**A PROJECT REPORT**

*Submitted by*

<b>N. KARTHIKEYAN</b>	<b>422117104022</b>
<b>S. ARUN PANDIYAN</b>	<b>422117104007</b>
<b>S. SANTHOSH</b>	<b>422117104045</b>
<b>G.P. VADALARASAN</b>	<b>422117104304</b>

*In partial fulfilment for the award of the degree*

*Of*

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**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**



**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "Face Mask Detection and Person Identification" is the bonafide work of N. KARTHIKEYAN (422117104022), S. ARUN PANDIYAN (422117104007), S. SANTHOSH (422117104045), G.P. VADALARASAN (422117104304) who carried out the project work under my supervision.



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and Technology,  
Panruti-607 110.

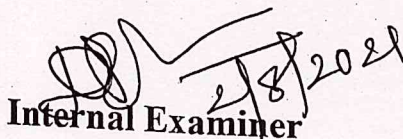


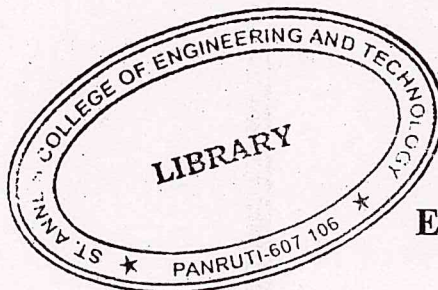
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**External Examiner**

**TRACING WEBSITE ATTACKERS IN TOR NETWORK USING  
LOG FILES,**

**A PROJECT REPORT**

*Submitted by*

<b>AJITH KUMAR S</b>	<b>422117104003</b>
<b>PRADEEP A</b>	<b>422117104036</b>
<b>RANJITH KUMAR R</b>	<b>422117104041</b>

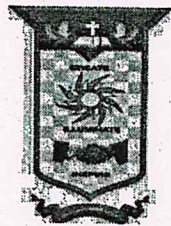
*in partial fulfillment for the award of the degree*

*of*

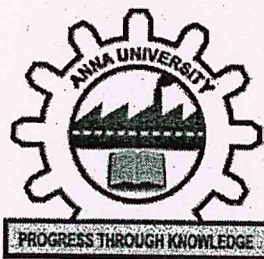
**BACHELOR OF ENGINEERING**

**IN**

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**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

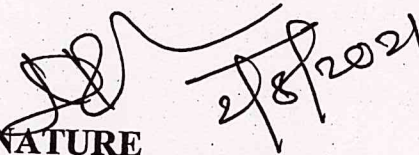
**BONAFIDE CERTIFICATE**

Certified that this project report "TRACING WEBSITE ATTACKERS IN TOR NETWORK USING LOG FILES" is the bonafide work of AJITH KUMAR R (422117104003), PRADEEP A (422117104036), RANJITH KUMAR R (422117104041), who carried out the project work under my supervision.



**SIGNATURE**  
**Sr. A. PUNITHA JILT, M.Tech.,**  
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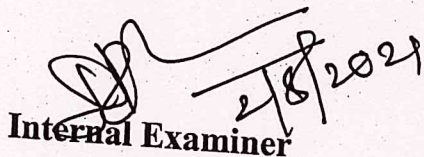
Department of Computer Science  
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**SIGNATURE**  
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**SUPERVISOR**

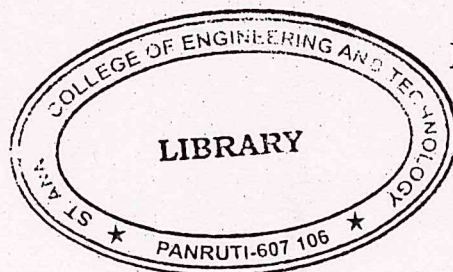
Assistant Professor  
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Submitted for the Project Viva-Voce examination held on ... 02.08.2021



**Internal Examiner**

**External Examiner**



**A MACHINE LEARNING APPROACH TO PREDICT AIR  
QUALITY IN INDIA**

**A PROJECT REPORT**

**Submitted by**

**P. JULIANKENNADY**

**422117104018**

**M. RAJKUMAR**

**422117104039**

**P. SHARCHANDER**

**422117104047**

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of*

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**in**

**COMPUTER SCIENCE AND ENGINEERING**



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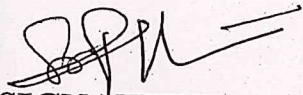
**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

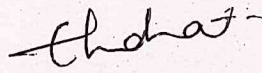
Certified that this project report "A Machine Learning Approach to Predict Air Quality in India" is the bonafide work of M. RAJKUMAR (422117104039), P. SHARCHANDER (422117104047), P. JULIAN KENNADY (422117104018) who carried out the project work under my supervision.



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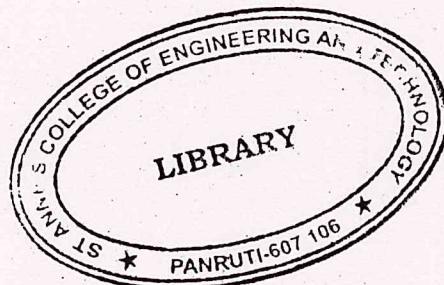
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Submitted for the Project Viva-Voce examination held on ..02..08..2021



**Internal Examiner**



**External Examiner**



# DROWSINESS DETECTION USING OPEN COMPUTER VISION

A PROJECT REPORT

*Submitted by*

AJITHREVILDO M	422117104004
ARUN P	422117104301
RAKHESH JAGHADISH L	422117104303

*in partial fulfillment for the award of the degree*

*of*

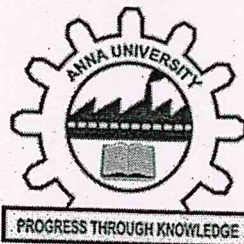
**BACHELOR OF ENGINEERING**

**in**

**COMPUTER SCIENCE AND ENGINEERING**

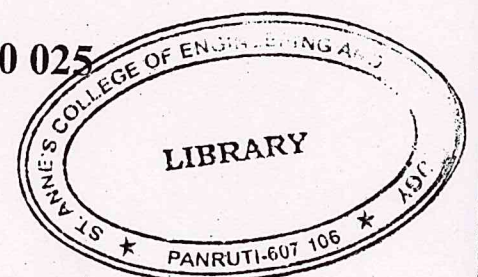


**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

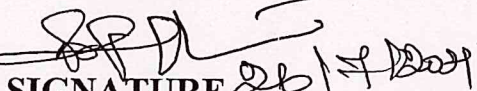
**APRIL 2021**

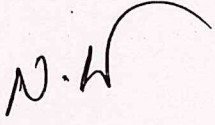


**ANNA UNIVERSITY::CHENNAI 600 025**


**BONAFIDE CERTIFICATE**

Certified that this project report “Drowsiness Detection using Open Computer Vision” is the bonafide work of **AJITHREVILDO M (422117104004), ARUN P (422117104301), RAKHESH JAGHADISH L (422117104303)**, who carried out the project work under my supervision.

  
**SIGNATURE**  
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Submitted for the Project Viva-Voce examination held on ...02.08.2021

  
**Internal Examiner**



**External Examiner**

**DEEP LEARNING BASED IDENTIFICATION OF NOVEL  
CORONA VIRUS USING (LUS)**

**A PROJECT REPORT**

*Submitted by*

<b>JASTIN RAJ.P</b>	<b>422117104017</b>
<b>MADHAVAN.J</b>	<b>422117104029</b>
<b>PRAVEEN KUMAR.P</b>	<b>422117104038</b>
<b>THIRUMALVALAVAN.G</b>	<b>422117104055</b>

*in partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report **“DEEP LEARNING BASED IDENTIFICATION OF NOVEL CORONA VIRUS USING(LUS)”** is the bonafede work of **JASTINRAJ P (422117104017), MADHAVAN J (422117104029), PRAVEENKUMAR P (422117104038), THIRUMALVALAVAN G (422117104055)**, who carried out the project work under my supervision.

**SIGNATURE**

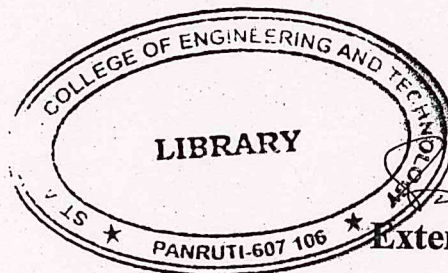
**Sr. A. PUNITHA JILT, M. Tech.,  
HEAD OF THE DEPARTMENT**  
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Submitted for the Project Viva-Voce examination held on **02.08.21**

**Internal Examiner**



**External Examiner**

# FARMER TRADE USING ANDROID APPLICATION

A PROJECT REPORT

*Submitted by*

SANTHOSH KUMAR J	422117104046
SRINIVASAN M	422117104050
TAMILSELVAN V	422117104052

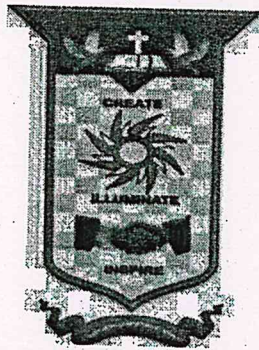
*in partial fulfillment for the award of the degree*

*of*

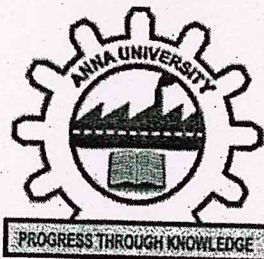
**BACHELOR OF ENGINEERING**

**in**

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**


Certified that this project report "FARMER TRADE USING ANDROID APPLICATION" is the bonafide work of "SANTHOSH KUMAR J (422117104004), SRINIVASAN M (422117104050), TAMILSELVAN V (422117104052), who carried out the project work under my supervision.



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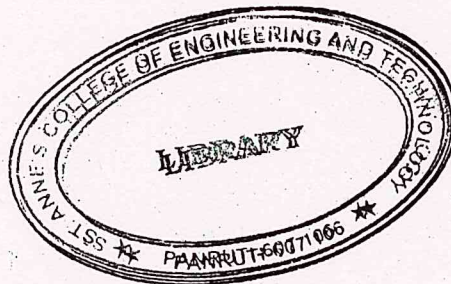


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**MR. S. MANAVALAN, M.Tech.  
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Submitted for the Project Viva-Voice examination held on ..2..8..21....



**Internal Examiner**

**External Examiner**



# ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY  
ANGUCHETTYPLAYAM, PANRUTI – 607 110.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PROJECT BATCH LIST

2017-2021 BATCH

Sl.No	Register no	Name of the student	Name of the guide	Title of the Project	Related to Curriculum /Subject
1	422117105001	Dhivya V	MR. A. RICHARD PRAVIN	Optimizing combined economic dispatch problem using whale search algorithm	POWER SYSTEM
	422117105025	Vinothini R			
	422117105302	Gandhimathi.C			
2	422117105005	Kalaivani M	Mr. A. Sundarapandiyar	Distributed generation allocation for power loss minimization and voltage improvement of radial distribution system using butterfly optimization algorithm	POWER SYSTEM
	422117105009	Monisha R			
	422117105018	Suvedha M			
3	422117105020	Valanarasu A	MR. K. SRIRAM	Optimized combined economic dispatch problem using whale search algorithm	POWER SYSTEM
	422117105303	Hariharan.V			
	422117105306	Mohan Raj.S			
	422117105308	Veerepandy.V			
4	422117105004	Kalaiselvan A	MR. J. RAMESH	Discrete wavelet transforms based faults detection in transmission line for power system protection	POWER SYSTEM
	422117105006	Kiridharan A			
	422117105008	Kumaresan S			
5	422117105002	Dinesh E	MR. V. C. EUGEN MARTIN RAJ	Microgrid energy management system development using optimization – based methods	RENEWABLE ENERGY
	422117105003	Jagathratchagan S			
	422117105019	Udayakumar U			
6	422117105015	Selvakumar M		A novel 41level asymmetrical	

422117105301	Aravinth.M	SR. ANNAI THERESA	phase shift PWM technique multilevel inverter	POWER ELECTRONICS
422117105304	Krishnakumar.S			
422117105309	Veeraprasath.S			

*CEEP*  
Coordinator

*SR. ANNAI*  
HOD

*R. Arukiadass*  
Dr. R. ARUKIADASS, M.E., Ph.D.,  
Principal,  
St. Anne's College of Engineering & Technology,  
ANGUCHETTPALAYAM,  
Siruvathur-(Post), Pamruti-(T.k),  
Cuddalore-(Dist), Pin: 607 110.



OPTIMIZING COMBINED EMISSION ECONOMIC  
DISPATCH PROBLEM USING WHALE SEARCH  
ALGORITHM

A PROJECT REPORT

*Submitted by*

DHIVYA. V

422117105001

VINOTHINI. R

422117105025

GANDHIMATHI. C

422117105302

*in partial fulfillment for the award of the degree*

*of*

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*in*

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY :: CHENNAI 600 025

- APRIL 2021

ANNA UNIVERSITY : CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this project report "OPTIMIZING COMBINED EMISSION ECONOMIC DISPATCH PROBLEM USING WHALE SEARCH ALGORITHM" is the bonafide work of "V. DHIVYA, R. VINOETHINI, C. GANDHIMATHI" who carried out the project work under my supervision.



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V.C. Eugin Martin Raj  
HEAD OF THE DEPARTMENT

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Panruti.

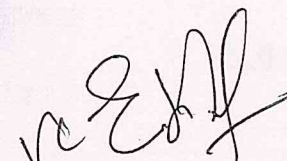


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A. Richard Pravin  
SUPERVISOR

Assistant Professor  
Department of Electrical and  
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Panruti.

Submitted for the university examination held on R. VINOETHINI



INTERNAL EXAMINER

EXTERNAL EXAMINER

**DISTRIBUTED GENERATION ALLOCATION FOR POWER  
LOSS MINIMIZATION AND VOLTAGE IMPROVEMENT OF  
RADIAL DISTRIBUTION SYSTEMS USING BUTTERFLY  
OPTIMIZATION ALGORITHM**

**A PROJECT REPORT**

*Submitted by*

<b>KALAIVANI.M</b>	<b>422117105005</b>
<b>MONISHA. R</b>	<b>422117105009</b>
<b>SUVEDHA.M</b>	<b>422117105018</b>

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*of*

**BACHELOR OF ENGINEERING**

*in*

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "DISTRIBUTED GENERATION ALLOCATION FOR POWER LOSS MINIMIZATION AND VOLTAGE IMPROVEMENT OF RADIAL DISTRIBUTION SYSTEMS USING BUTTERFLY OPTIMIZATION ALGORITHM" is the bonafide work of "KALAIVANI.M, MONISHA.R, SUVEDHA.M" who carried out the project work under my supervision.



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SIGNATURE

A. Sundara Pandiyan  
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Assistant Professor  
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Engineering and Technology,  
Panruti.

Submitted for the university examination held on 02-08-2021



INTERNAL EXAMINER

EXTERNAL EXAMINER

**GREY WOLF OPTIMISATION ALGORITHM  
ASSISTED MPPT CONTROLLER FOR PHOTO  
VOLTAIC SYSTEM**

**A PROJECT REPORT**

*Submitted by*

<b>VALANARASU. A</b>	<b>422117105020</b>
<b>HARIHARAN. V</b>	<b>422117105303</b>
<b>MOHANRAJ. S</b>	<b>422117105306</b>
<b>VEERAPANDY. V</b>	<b>422117105308</b>

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*of*

**BACHELOR OF ENGINEERING**

*in*

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ANNA UNIVERSITY :: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "OPTIMIZING COMBINED EMISSION ECONOMIC DISPATCH PROBLEM USING WHALE SEARCH ALGORITHM" is the bonafide work of "A. VALANARASU, V. HARIHARAN, S. MOHANRAJ, V. VEERAPANDY " who carried out the project work under my supervision.



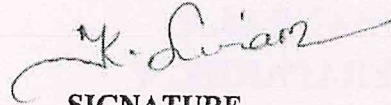
**SIGNATURE**

V.C. Eugin Martin Raj

**HEAD OF THE DEPARTMENT**

Department of Electrical and  
Electronics Engineering,

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**SIGNATURE**

K. SRIRAM

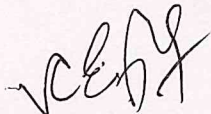
**SUPERVISOR**

Assistant Professor

Department of Electrical and  
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Engineering and Technology,  
Panruti.

Submitted for the university examination held on 02-8-2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**DISCRETE WAVELET TRANSFORM BASED FAULTS  
DETECTION IN TRANSMISSION LINE FOR POWER  
SYSTEM PROTECTION**

**A PROJECT REPORT**

*Submitted by*

**A.KALAI SELVAN 422117105004**

**A.KIRI DHARAN 422117105006**

**S. KUMARESAN 422117105008**

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

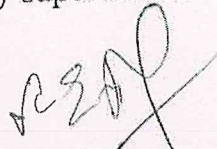
**ANNAUNIVERSITY::CHENNAI 600025**

**AUGUST 2021**

**ANNA UNIVERSITY: CHENNAI 600025**

**BONAFIDE CERTIFICATE**

Certified that this project report “DISCRETE WAVELET TRANSFORM BASED FAULTS DETECTION IN TRANSMISSION LINE FOR POWER SYSTEM PROTECTION” is the bonafide work of “A.KALAI SELVAN, A.KIRI DHARAN, S. KUMARESAN” who carried out the project work under my supervision.

  
SIGNATURE

Mr. V.C. Eugin Martin Raj. M.Tech.,


**HEAD OF THE DEPARTMENT**  
Department of Electrical and  
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Submitted for the university examination held on 02.08.2021





**OPTIMIZING COMBINED EMISSION ECONOMIC  
DISPATCH PROBLEM USING WHALE SEARCH  
ALGORITHM**

**A PROJECT REPORT**

*Submitted by*

<b>DINESH. E</b>	<b>422117105002</b>
<b>JAGATHRATCHAGAN. S</b>	<b>422117105003</b>
<b>UDAYAKUMAR. U</b>	<b>422117105019</b>

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**BACHELOR OF ENGINEERING**

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**ANNA UNIVERSITY :: CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "MICROGRID ENERGY MANAGEMENT SYSTEM DEVELOPMENT USING OPTIMIZATION - BASED METHODS" is the bonafide work of "DINESH. E, JAGATHRATCHAGAN. S, UDAYAKUMAR. U" who carried out the project work under my supervision.

  
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Panruti.

Submitted for the university examination held on 02-8-2021

  
**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**41 LEVEL ASYMMETRICAL INVERTER WITH  
REDUCED NUMBER OF SWITCHES AND DC SOURCES**

**A PROJECT REPORT**

*Submitted by*

<b>M. SELVA KUMAR</b>	<b>422117105015</b>
<b>M. ARAVINTH</b>	<b>422117105301</b>
<b>S. KRISHNA KUMAR</b>	<b>422117105304</b>
<b>S. VEERA PRASATH</b>	<b>422117105309</b>

*In partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

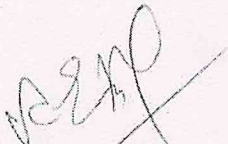
**ANNAUNIVERSITY::CHENNAI 600025**

**APRIL 2020**

**ANNA UNIVERSITY: CHENNAI 600025**

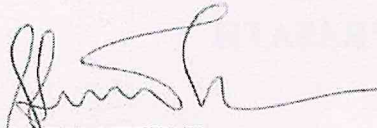
**BONAFIDE CERTIFICATE**

Certified that this project report "A NOVEL 41 LEVEL ASYMMETRICAL PHASE SHIFTED PWM TECHNIQUE MULTILEVEL INVERTER" is the bonafide work of "M. SELVA KUMAR, M. ARAVINTH, S. KRISHNA KUMAR, S. VEERA PRASATH" who carried out the project work under my supervision.



**SIGNATURE**

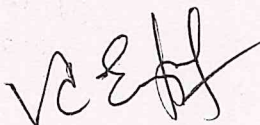
Mr. VC. Eugin Martin Raj, M.E.,  
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Engineering and Technology  
Panruti - 607106



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# ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)  
(An ISO 9001: 2015 Certified Institution)  
ANGUCHETTPALAYAM, PANRUTI – 607 106.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## PROJECT BATCH LIST

PERIOD: DEC.2020 – MAY 2021

BATCH: 2017-2021

YEAR/ SEMESTER: IV / VIII

S. No.	REGISTER NO.	NAME	PROJECT DOMAIN	FACULTY NAME
1	422117106002	ABITHA S	Antenna	Mr. S. Durairaj, AP/ECE
	422117106009	NANDHINI M		
2	422117106006	DIVYA D	Digital Signal Processing	Mr. R. Radhakrishnan, AP/ECE
	422117106007	MALINI M		
3	422117106008	NANDHINI K	RF & Microwave	Mrs. B. Mary Amala Jenni, AP/ECE
	422117106011	PRIYADHARSHINI K		
4	422117106003	ANANDH S	VLSI	Mr. V. Venkatesan, AP/ECE
	422117106012	PUNNIYAKODI A		
5	422117106010	NISHA J	Embedded Systems	Mr. B. Arunkumar, AP/ECE
	422117106021	SUGAPRIYA C		
6	422117106014	RAJA K	VLSI	Ms. M. Sahinipriya, AP/ECE
	422117106023	YUVARANI P		
7	422117106019	SHALINI R	Digital Image Processing	Mrs. D. Umamaheswari, ASP/ECE
	422117106020	STEPHYGRAFI M		
8	422117106015	RAJA DURAI N	IoT	Mr. S. Balabasker, ASP/ECE
	422117106018	SELVA M		

*S. K. I*  
PREPARED BY *22/12/2020*

*S. K. I*  
VERIFIED BY *22/12/20*

*R. Arunkumar*  
*20/12/2020*  
APPROVED BY  
**Dr. R. ARUNKUMAR, Ph.D.**  
Principal,  
St. Anne's College of Engineering & Technol  
ANGUCHETTPALAYAM,  
Panruti (Post), Panruti (T)  
Cuddalore (Dist), Pin. 607 106

# RECONFIGURABLE H-SHAPED DIELECTRIC RESONATOR ANTENNA

A PROJECT REPORT

*Submitted by*

S. ABITHA                      422117106002

M. NANDHINI                 422117106009

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY**

**ANGUCHETTYPALAYAM, PANRUTI-607 106**

**ANNA UNIVERSITY: CHENNAI 600 025**


**APRIL 2021**



**ANNA UNIVERSITY CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**RECONFIGURABLE H-SHAPED DIELECTRIC RESONATOR ANTENNA**” is the bonafide work of “**S.ABITHA (422117106002), M. NANDHINI (422117106009)**” who carried out the project work under my supervision.



**SIGNATURE**

**Dr. Sr. S. ANITA., M. Tech, Ph. D,**

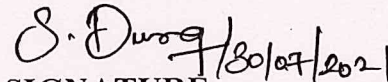
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**SIGNATURE**

**Mr. S. DURAI RAJ., M.E.,**

**SUPERVISOR**

Assistant Professor

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Panruti-607106

Submitted for the ANNA UNIVERSITY examination held on 04/08/2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**INTRAVENOUS FLOW MONITORING SYSTEM  
USING LORA TECHNOLOGY**

**A PROJECT REPORT**

*Submitted by*

**M.MALINI**

**422117106007**

**D.DIVYA**

**422117106006**

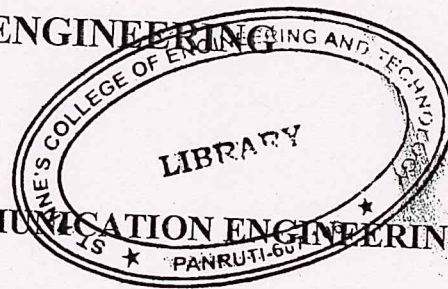
*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**ELECTRONICS AND COMMUNICATION ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY  
ANGUCHETTYPALAM, PANRUTI-607106**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INTRA VENOUS FLOW MONITORING SYSTEM USING LORA TECHNOLOGY" is the bonafide work of "M. MALINI (422117106007), D. DIVYA (422117106006)," who carried out the project work under my supervision.

  
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Anguchettyalayam, Panruti-607106

Submitted for the ANNA UNIVERSITY examination held on 4/5/2021

  
INTERNAL EXAMINER

EXTERNAL EXAMINER

**DESIGN AND ANALYSIS OF RF LNA  
WITH TRANSISTOR CONFIGURATIONS**

**A PROJECT REPORT**

*Submitted by*

**K.PRIYADHARSHINI                      422117106011**

**K.NANDHINI                                422117106008**

*in partial fulfillment for the award of the degree*

*of*

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**ANGUCHETTYPALAM, PANRUTI-607 106**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "DESIGN AND ANALYSIS OF RF LNA WITH TRANSISTOR CONFIGURATIONS" is the bonafide work of K.PRIYADHARSHINI (422117106011), K.NANDHINI (422117106008) who carried out the project work under my supervision.



**SIGNATURE**

**Dr.Sr.S.ANITA, M.Tech, (Ph.D).,**

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Anguchettypalayam

Panruti-607 106

Submitted for the ANNA UNIVERSITY examination held on..04/08/2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**LOW POWER HYBRID FULL ADDER USING  
XOR/XNOR GATE  
A PROJECT REPORT**

*Submitted by*

<b>S.ANANDH</b>	<b>422117106003</b>
<b>A.PUNNNIYAKODI</b>	<b>422117106012</b>

*in*

*partial fulfillment for the award of the degree  
of*

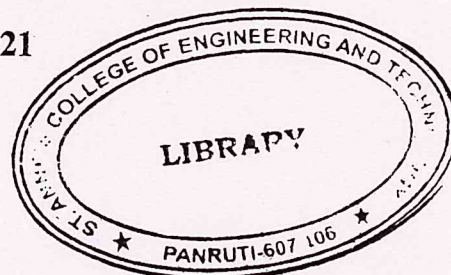
**BACHELOR OF ENGINEERING  
IN  
ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY**

**ANGUCHETTYPALAYAM, PANRUTI-607 106**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**LOW POWER HYBRID FULL ADDER USING XOR / XNOR GATE**” is the bonafide work of “**S.ANANDH(422117106003), A.PUNNNIYAKODI(422117106012)**”, who carried out the project work under my supervision.



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Panruti-607 106



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Anguchettypalayam

Panruti-607 106

**Submitted for the ANNA UNIVERSITY examination held on 04/08/2021**



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **DRIVER DROWSINESS DETECTION AND ALERT SYSTEM**

**A PROJECT REPORT**

*Submitted by*

**J.NISHA - 422117106010**

**C.SUGAPRIYA- 422117106021**

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

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**ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY**

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**ANNA UNIVERSITY: CHENNAI 600 025**

## BONAFIDE CERTIFICATE

Certified that this project report “**DRIVER DROWSINESS DETECTION AND ALERT SYSTEM**” is a bonafide work of “**J.NISHA (422117106010), C.SUGAPRIYA (422117106021)**” who Carried Out the project work under my supervision.

*Dr. Sr. S. Anita*

**SIGNATURE**

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Anguchettyalayam ,Panruti – 607106

*Mr. B. Arunkumar* 30/7/2021

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**Mr. B.ARUNKUMAR,M.E.,**

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&Tech Anguchettyalayam, Panruti –

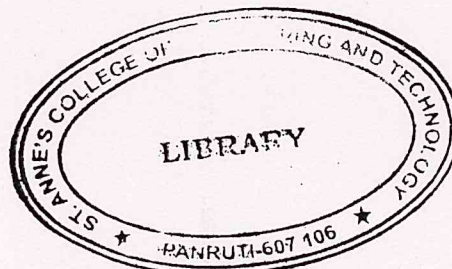
607106

Submitted for the ANNA UNIVERSITY examination held on ...4/8/2021

*Dr. Sr. S. Anita*

**INTERNAL EXAMINER**

**EXTERNAL EXAMIER**



**DESIGN OF 4:1 MULTIPLEXER BASED ADDER USING  
VARIOUS LOGIC TECHNIQUES**

**A PROJECT REPORT**

*Submitted by*

**K.RAJA                      422117106014**

**P.YUVARANI                422117106023**

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

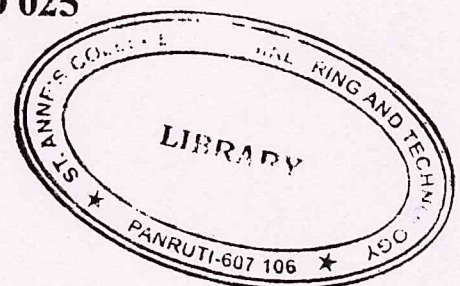
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ANGUCHETTYPALAM, PANRUTI-607 106**

**ANNA UNIVERSITY: CHENNAI 600 025**

APRIL 2021





**ANNA UNIVERSITY:CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**DESIGN OF 4:1 MULTIPLEXER BASED ADDER USING VARIOUS LOGIC TECHNIQUES**” is the bonafide work of “**K.RAJA (422117106014), P.YUVARANI (422117106023)**” who carried out the project work under my supervision.



**SIGNATURE**

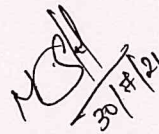
**Dr.Sr.S.ANITA, M.Tech, Ph.D.**

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**Ms. M. SAHINIPPIRIYA**

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Panruti-607 106

**Submitted for the ANNA UNIVERSITY examination held on 4.8.2021**



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**DEEP CNN BASED AUTOMATED DIABETIC  
RETINOPATHY DISEASE IDENTIFICATION SYSTEM**

**A PROJECT REPORT**

*Submitted by*

**R.SHALINI**

**422117106019**

**M.STEPHYGRAFI**

**422117106020**

*In partial fulfilment for the award of the degree*

*Of*

**BACHELOR OF ENGINEERING**

*In*

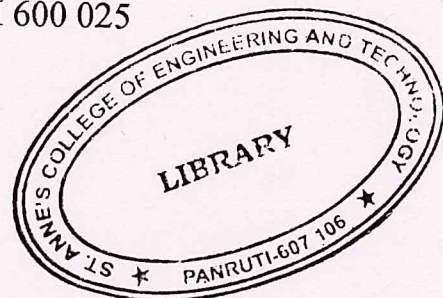
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY**

**ANGUCHETTYPALAYAM, PANRUTI-607106**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**DEEP CNN BASED AUTOMATED DIABETIC RETINOPATHY DISEASE IDENTIFICATION SYSTEM**” is the bonafide work of **R. SHALINI (422117106019)** and **M. STEPHYGRAFI (422117106020)** who carried out the project work under my supervision.

  
**SIGNATURE**

**Dr. Sr. S. ANITA, M.Tech, Ph.D.,**

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Engineering

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Anguchettypalayam

Panruti-607 106

**Submitted for the ANNA UNIVERSITY examination held on ; 04.08.2021**

  
**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**DESIGN AND IMPLEMENTATION OF INTERNET  
BASED SWITCH BOX**

**A PROJECT REPORT**

*Submitted by*

**SELVA M**

**422117106018**

**RAJADURAI N**

**422117106016**

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

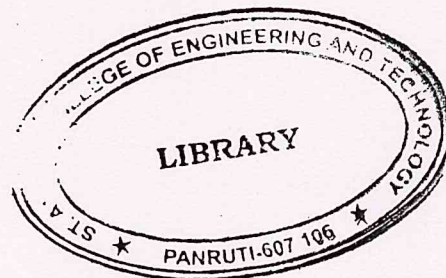
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY**

**ANGUCHETTYPALAYAM, PANRUTI- 607 106**

**ANNA UNIVERSITY : CHENNAI 600 025**

**AUG 2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "DESIGN AND IMPLEMENTATION OF INTERNET BASED SWITCH BOX" is the bonafide work of "SELVA.M (422117106018), RAJADURAL.N (422117106016)" who carried out the project work under my supervision.



**SIGNATURE**

**Dr. S.ANITA., M.Tech., Ph. D.,  
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Submitted for the ANNA UNIVERSITY examination held on 4.8.2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMIER**



# ST. ANNE'S

## COLLEGE OF ENGINEERING AND TECHNOLOGY

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

(An ISO 9001 : 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 110.

### DEPARTMENT OF MECHANICAL ENGINEERING

#### ME8811 PROJECT WORK

BATCH 2017- 2021

YEAR/SEM: IV/VIII

Batch No	Reg.No	Student Name	Title	Guide Name
1	422117114001	Abinathan R	Optimization and Cutting Parameters on Workpiece Surface Temperature and Material Removal rate during Turning of Al 5052	Mr.K.Saravanan Assistant Professor, Department of Mechanical.
	422117114005	Ajith Kumar A		
	422117114006	Amstrong A		
	422117114039	Veera Ragu N		
2	422117114002	Agadesan A	Selective Catalyst Reduction (SCR) for Diesel Engines	Mr. R. Sasikumar., Assistant Professor, Department of Mechanical.
	422117114013	Babu Raj B		
	422117114015	Christopher P		
	422117114017	Deva Kanickai Raj S		
3	422117114009	Anu A	Mechanical Characterization of Al 7075-T6 MMC's	Dr. D. Ommurugadhasan., Professor & Head Department of Mechanical.
	422117114034	Shaliya D		
	422117114301	Dhass B		
	422117114306	Nivin S L		
4	422117114003	Agathiyan S	Performance of Industrial Biomass Dryer for Agriculture Products	Mr. P. Murugan., Assistant Professor, Department of Mechanical.
	422117114004	Ajith E		
	422117114016	Deepak Kumar S		
	422117114021	Jayasurya G		
5	422117114030	Pugazhenth V	Optimization of an IC Engine Manifold using CFD Analysis	Mr. R. JayaKumar., Assistant Professor, Department of Mechanical.
	422117114031	Raja Sekar A		
	422117114032	Raj Kumar K		
	422117114308	Selvaganapathy S		

6	422117114014	Balraj B	Study and Analysis of Tool life and Metal Removal Rate of Aluminum 6063 using Tungsten Carbide Tool	Dr. R. Arokiadass., Professor, Department of Mechanical.
	422117114024	Kaviyarasan D		
	422117114025	Kumaran N		
	422117114029	Prakash P		
7	422117114037	Vallarasu P	Mechanical Behaviour of Copper and Tungsten Disulfide Composites	Mr. K. ShanmugaElango., Assistant Professor, Department of Mechanical.
	422117114038	Vasantha Raj G		
	422117114303	Guhan G		
	422117114304	Jayasankar S		
8	422117114035	Sivaprakash R	Microstructure Analysis of Alcona Coating Titanium Grade-2 Alloy for Tool Life Improvement	Mr M.Sivamanikandan Assistant Professor, Department of Mechanical.
	422117114040	Venkatesh K		
	422117114042	Vinoth Kumar P		
	422117114307	Sampathkumar M		
9	422117114007	Anburaj V	Electro Discharge Coating on Aluminium Alloy 7075 by using WS <sub>2</sub> +Cu P/M Electrode	Mr. K. ShanmugaElango., Assistant Professor, Department of Mechanical.
	422117114008	Androjayasinth P		
	422117114012	Ashwin K		
	422117114026	Lakshmi Narasimman K		
10	422117114010	ArputhaSelvakumar P	Microstructure Analysis of Tian Coating Titanium Grade-2 Alloy for Tool Life Improvement	Mr M.Sivamanikandan Assistant Professor, Department of Mechanical.
	422117114023	Kathirazhagan K		
	422117114041	Vijaya Kumar A		
	422117114310	Thirunavukkarasu T		
11	422117114033	Selvaganapathi D	Optimization of Machining Parameter on SS316L Material Using Orthogonal Array Method	MrK.Saravanan Assistant Professor, Department of Mechanical.
	422117114302	Gopinath M		
	422117114305	Mohanasundar G		
12	422117114501	Jegan.S	Performance and Emission Characteristics of Biofuel on DICI Engine	Mr M.Sivamanikandan Assistant Professor, Department of Mechanical.
	422117114501	SathishKumar.A		

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OPTIMIZATION OF CUTTING PARAMETERS ON  
WORK PIECE SURFACE TEMPERATURE AND  
MATERIAL REMOVAL RATE DURING TURNING OF  
AL 5052

A PROJECT REPORT

Submitted by

R.ABINATHAN	(422117114001)
A.AJITH KUMAR	(422117114005)
A.AMSTRONG	(422117114006)
N.VEEARAGU	(422117114039)

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of*

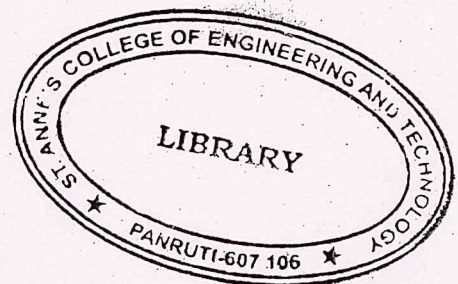
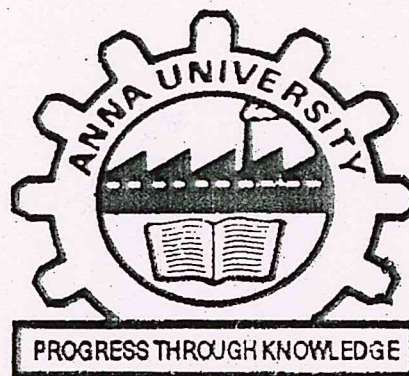
BACHULAOR OF ENGINEERING

in

MECHANICAL ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

PANRUTI 607-110.




ANNA UNIVERSITY : CHENNAI 600 025



## BONAFIDE CERTIFICATE

Certified that this project report "OPTIMIZATION OF CUTTING PARAMETERS ON WORK PIECE SURFACE TEMPERATURE AND MATERIAL REMOVAL RATE DURING TURNING OF AL 5052" is the bonafide work of "R.ABINATHAN (422117114001), A.AJITH KUMAR (422117114005), A.AMSTRONG (422117114006), N.VEEARAGU (422117114039)" who carried out the project work under my supervision.



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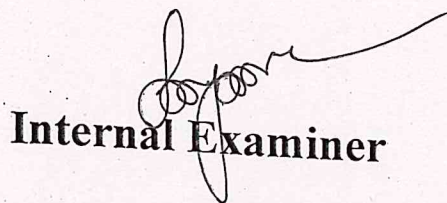


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The project viva -voce examination held on ..04..08..2021 F-N.



Internal Examiner

External Examiner

**SELECTIVE CATALYST REDUCTION (SCR)  
FOR DIESEL ENGINES**

**A PROJECT REPORT**

*Submitted by*

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<b>BABURAJ B</b>	<b>422117114013</b>
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<b>DEVA KANICKAI RAJ A</b>	<b>422117114017</b>

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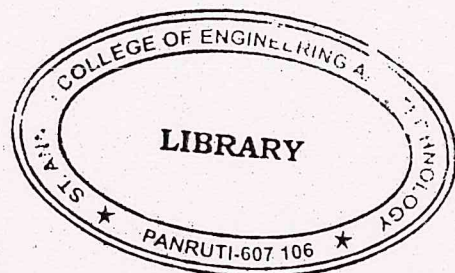
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**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**

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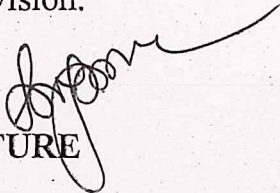
**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL-2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "SELECTIVE CATALYST REDUCTION (SCR) FOR DIESEL ENGINES" is the bonafide work of "AGADESAN.A, BABURAJ.B, CHRISTOPHER.P, DEVA KANICKAI RAJA" who carried out the project work under my supervision.



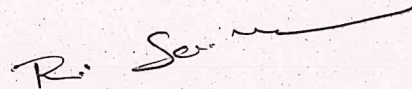
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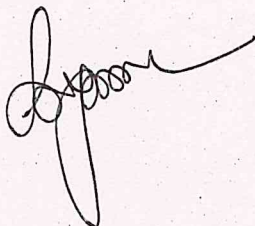
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**MECHANICAL CHARACTERISATION OF AL  
7075- T6 MMC'S  
A PROJECT REPORT**

*Submitted by*

<b>ANU. A</b>	<b>422117114009</b>
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<b>DHAS. B</b>	<b>422117114301</b>
<b>NIVIN. S. L</b>	<b>422117114306</b>

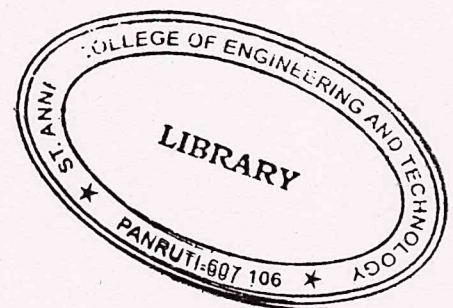
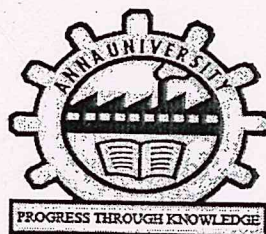
*In partial fulfilment for the award of the degree*

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**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**



**ANNA UNIVERSITY: CHENNAI 600025**

**AUGUST 2021**

## BONAFIDE CERTIFICATE

Certified that this project report "MECHANICAL CHARACTERISATION OF AL 7075- T6 MMC'S" is the bonafide work of ANU. A (422117114009), SHALIYA. D (422117114034) DHAS. B (422117114301) and NIVIN. S. L (422117114306) who carried out the project under my supervision.



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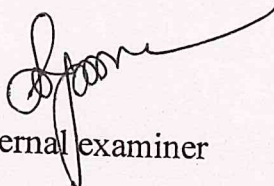
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Internal examiner

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# PERFORMANCE OF INDUSTRIAL BIOMASS DRYER FOR AGRICULTURE PRODUCTS

A PROJECT REPORT

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*In*

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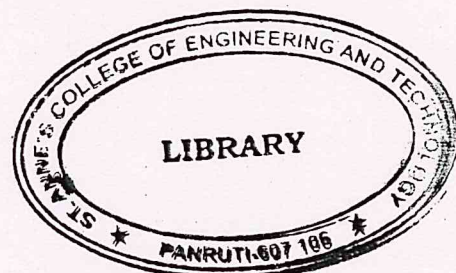
*of*

**BACHELOR OF ENGINEERING**

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**MECHANICAL ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL-2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "PERFORMANCE OF INDUSTRIAL BIOMASS DRYER FOR AGRICULTURE PRODUCTS" is the bonafide work of "AGATHIYAN S, AJITH E, DEEPAKKUMAR S and JAYASURYA G" who carried out the project work under my supervision.



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**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# OPTIMIZATION OF AN IC ENGINE MANIFOLD USING CFD ANALYSIS

A PROJECT REPORT

*Submitted by*

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RAJKUMAR K	422117114032
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**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



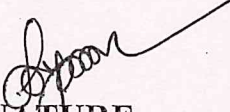
**ANNA UNIVERSITY: CHENNAI 600 025**  
**APRIL-2021**



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BONAFIDE CERTIFICATE

Certified that this project report "OPTIMIZATION OF AN IC ENGINE MANIFOLD USING CFD ANALYSIS" is the bonafide work of "PUGAZHENTHI.V,RAJASEKAR.A,RAJKUMAR.K,SELVAGANAPATHY.S" who carried out the project work under my supervision.



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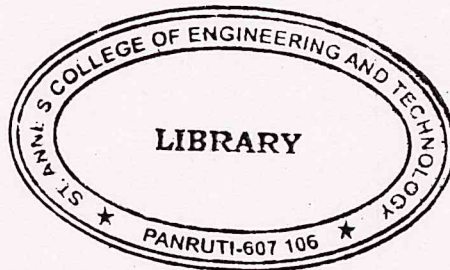
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External Examiner

# STUDY AND ANALYSIS OF TOOL LIFE AND METAL REMOVAL RATE OF ALUMINIUM 6063 USING TUNGSTEN CARBIDE TOOL

A PROJECT REPORT

*Submitted by*

BALRAJ B	422117114014
KAVIYARASAN D	422117114024
KUMARAN N	422117114025
PRAKASH P	422117114029

*in partial fulfilment for the award of the degree*

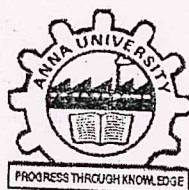
*of*

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



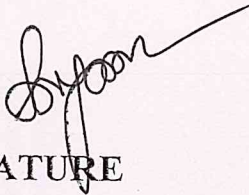
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APRIL-2021

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "STUDY AND ANALYSIS OF TOOL LIFE AND METAL REMOVAL RATE OF ALUMINIUM 6063 USING TUNGSTEN CARBIDE TOOL" is the bonafide work of "BALRAJ B, KAVIYARASAN D, KUMARAN N and PRAKASH P" who carried out the project work under my supervision.



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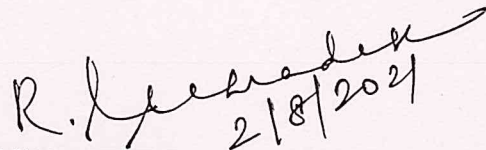
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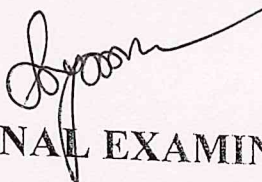
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Submitted for the University Practical Examination held on

..04..08..2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**MECHANICAL BEHAVIOR OF COPPER AND  
TUNGSTEN DISULFIDE COMPOSITES**

**A PROJECT REPORT**

*Submitted by*

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GUHAN G	422117114303
JAYASANKAR,S	422117114304

*In*

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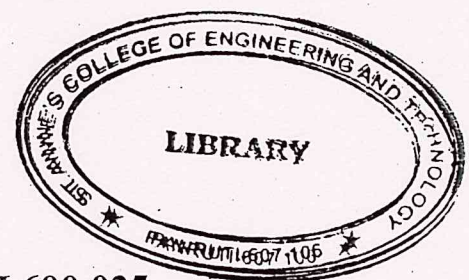
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**BACHELOR OF ENGINEERING**

**IN**

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**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



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**APRIL-2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "MECHANICAL BEHAVIOUR OF COPPER AND TUNGSTEN DISULFIDE" is the bonafide work of "VALLARASU.P, VASANTAHRAJA.G, GUHAN.G, JAYASANKAR." who carried out the project work under my supervision.



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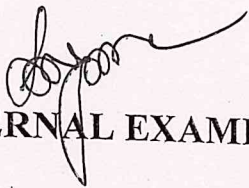
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04-08-2021



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**MICROSTRUCTURE ANALYSIS OF ALCONA  
COATING TITANIUM GRADE-2 ALLOY FOR TOOL  
LIFE IMPROVEMENT**

**A PROJECT REPORT**

*Submitted by*

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<b>VINOTH KUMAR P</b>	<b>422117114042</b>
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*of*

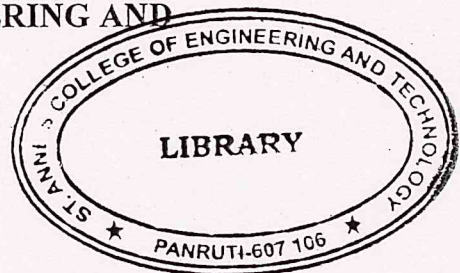
**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



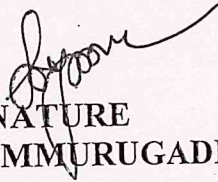
**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL-2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "MICROSTRUCTURE ANALYSIS OF ALCONA COATING TITANIUM GRADE-2 ALLOY FOR TOOL LIFE IMPROVED" is the bonafide work of "SIVAPRAKASH .R, VENKATESH.K ,VINOOTH KUMAR.P, SAMPATHKUMAR.M" who carried out the project work under my supervision.



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**Internal Examiner**

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**ELECTRO DISCHARGE COATING ON ALUMINIUM  
ALLOY 7075 BY USING  $WS_2+Cu$  P/M ELECTRODE**

**A PROJECT REPORT**

*Submitted by*

<b>ANBURAJ V</b>	<b>422117114007</b>
<b>ANDROJAYASINTH</b>	<b>422117114008</b>
<b>ASHWIN K</b>	<b>422117114012</b>
<b>LAKSHMI NARASIMMAN K</b>	<b>422117114026</b>

*in partial fulfilment for the award of the degree*

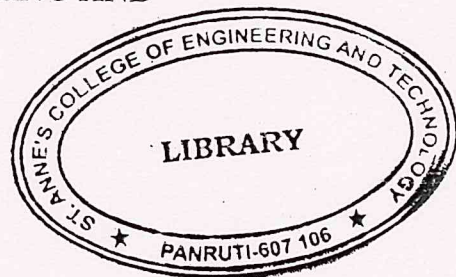
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**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL-2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "ELECTRO DISCHARGE COATING ON ALUMINIUM ALLOY 7075 BY USING WS<sub>2</sub>+Cu P/M ELECTRODE" is the bonafide work of "ANBURAJ.V, ANDROJAYASINTH.P,ASHWIN.K, LAKSHMINARASIMMAN." who carried out the project work under my supervision.



**SIGNATURE**

**Dr.D.OMMURUGADHASAN,M.E,Ph.D** **Mr.K.SHANMUGAELANGO,M.Tech**

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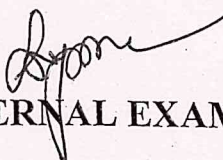


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Submitted for the University Practical Examination held on  
.04.-.08.-.2021 (F.N)



**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**MICROSTRUCTURE ANALYSIS OF TiAIN  
COATING TITANIUM GRADE-2 ALLOY FOR TOOL  
LIFE IMPROVEMENT**

**A PROJECT REPORT**

*Submitted by*

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<b>KATHIRAZHAGAN K</b>	<b>422117114023</b>
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<b>THIRUNAVUKKARASU T</b>	<b>422117114310</b>

*in partial fulfilment for the award of the degree*

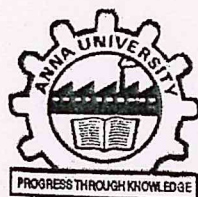
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**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND  
TECHNOLOGY**



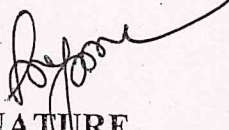
**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL-2021**

# ANNA UNIVERSITY: CHENNAI 600 025

## BONAFIDE CERTIFICATE

Certified that this project report "MICROSTRUCTURE ANALYSIS OF TAIN COATING TITANIUM GRADE-2 ALLOY FOR TOOL LIFE IMPROVEMENT" is the bonafide work of "ARPUTHASEVAKUMAR.P, KATHIRAZHAGAN.K, VIJAYAKUMAR.A, THIRUNAVUKKARASU.T" who carried out the project work under my supervision.



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assistant professor,

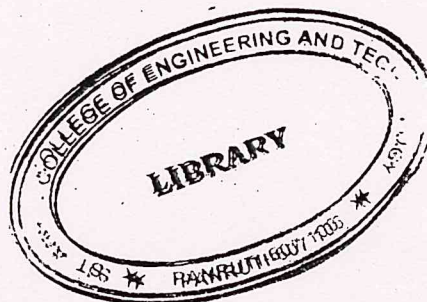
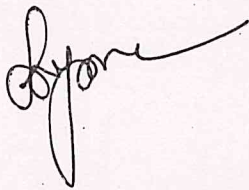
DepartmentofMechanicalEngg,

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And Technology,

Panruti-607 106

Cuddalore-Dt



**OPTIMIZATION OF MACHINING PARAMETER ON  
SS316L MATERIAL USING ORTHOGONAL ARRAY  
METHOD**

**A PROJECT REPORT**

**Submitted by**

**D. SELVAGANAPATHI (422117114033)**  
**M. GOPINATH (422117114302)**  
**G. MOHANASUNDAR (422117114305)**

In partial fulfillment for the award of the degree

of

**BACHELAOR OF ENGINEERING**

in

**MECHANICAL ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING AND  
TECHNOLOGY PANRUTI.**



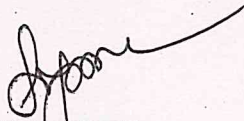
**ANNA UNIVERSITY : CHENNAI 600 025**

**APRIL/ MAY - 2021**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report "OPTIMIZATION OF MACHINING  
PARAMETER ON SS316L MATERIAL USING ORTHOGONAL  
ARRAY METHOD" is the bonafide work of D. SELVAGANAPATHI  
(422117114335) M. GOPINATH (422117114302),  
G. MOHANASUNDAR (422117114308)  
who carried out the project work under my supervision.

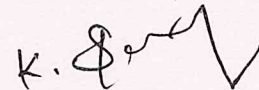


**SIGNATURE**

**Mr. D. OMMURUGADHASAN, ME., (Ph.D)**

**Head of department**

Dept., of Mechanical Engineering,  
St. Anne's College of Engineering  
and Technology, Panruti



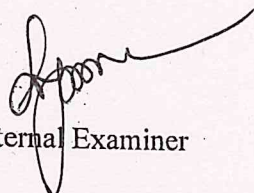
**SIGNATURE**

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The project Viva- Voce examination held on 04.08.2021



**Internal Examiner**

**External Examiner**

**PERFORMANCE AND EMISSION  
CHARACTERISTICS OF BIOFUEL ON DICI ENGINE**

**A PROJECT REPORT**

*Submitted by*

**JEGAN S**

**422117114501**

**SATHISH KUMAR A**

**422117114502**

*in partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

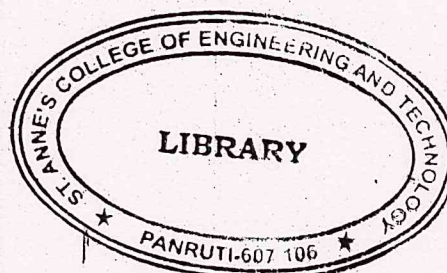
**MECHANICAL ENGINEERING**

**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY: CHENNAI 600 025**


**APRIL-2021**



**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

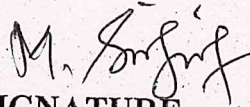
Certified that this project report "PERFORMANCE AND EMISSION CHARACTERISTICS OF BIOFUEL ON DICI ENGINE" is the bonafidework of "JEGAN.S, SATHISH KUMAR.A" whocarried out the project work under my supervision.



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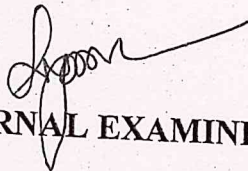


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**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

# **MINI PROJECT**



CSE Mini project 2021 Guided file.doc

# ENCRYPTION AND DECRYPTION USING PYTHON

## MINI PROJECT REPORT

*Submitted by*

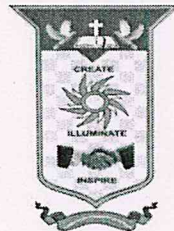
<b>KARTICK.K</b>	<b>422118104008</b>
<b>KAVIYARASU.S</b>	<b>422118104009</b>
<b>SHAGESH.E</b>	<b>422118104019</b>

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

### BACHELOR OF ENGINEERING

*in*

### COMPUTER SCIENCE AND ENGINEERING



**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**ENCRYPTION AND DECRYPTION USING PYTHON**” is the bonafied work of **KARTHICK.K (422118104008)**, **KAVIYARASU.S (422118104009)**, **SHANGESH.E (422118104019)** who carried out the project work under the supervision

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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**

# TRAVEL AND TOURISM MANAGEMENT SYSTEM

A MINI PROJECT REPORT

Submitted by

G.RAVINDIRAN	(422118104301)
B.SIVAPRAGASAM	(422118104302)
S.CHANDRU	(422118104004)

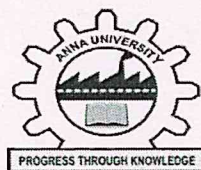
*In partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**



**ANNA UNIVERSITY::CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

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Certified that this mini project report “**TRAVEL AND TOURISM MANAGEMENT SYSTEM**” is the bonafide work of **G.RAVINDIRAN(422118104301),B.SIVAPRAGASAM(422118104302),S.CHANDRU(422118104004)** who carried out the project work under my supervision.

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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**

# ONLINE HOSTEL MANAGEMENT SYSTEM

A PROJECT REPORT

*Submitted by*

M. LABILAN - (422118104010)  
R.RANJITH KUMAAR - (422118104015)  
S.SURIYA PRAKASH - (422118104021)

*in partial fulfilment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**



**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**ONLINE HOSTEL MANAGEMENT SYSTEM**” is the bona fide work of    who carried out the project work under my supervision

M. LABILAN                                 - (422118104010)  
R.RANJITH KUMAAR                       - (422118104015)  
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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**

# AN INTERESTING QUIZ GAME IN C

A MINIPROJECT REPORT

*Submitted by*

A.EZAKIA SELVAM	(422118104005)
A.BACKIYA PRIYA	(422118104003)
R.KAMATCHI	(422118104007)

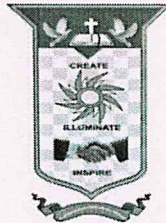
*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**



**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “AN INTERESTING QUIZ GAME IN C ”  
is the bonafide work of **A.BACKIYA PRIYA (422118104003), A.EZAKIA  
SELVAM (422118104005),R.KAMATCHI (422118104007)** who carried out  
the project work under my supervision.

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**Sr. A.PUNITHA JILT, M.Tech.,  
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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**



# BLOCKVOTE: AN AADHAR BASED ELECTRONIC VOTING SYSTEM USING BLOCKCHAIN

A MINI PROJECT REPORT

*Submitted by*

D. RAMYA	422118104014
B. PAVITHRA	422118104011
S. VIJAYALAKSHMI	422118104023

*in partial fulfillment for the award of the degree*

*of*

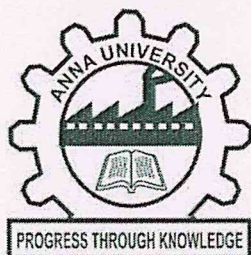
**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY: CHENNAI 600 025**

**JULY 2021**



**ANNA UNIVERSITY: CHENNAI 600 025**



**BONAFIDE CERTIFICATE**

Certified that this project report “**BLOCKVOTE: AN AADHAR BASED ELECTRONIC VOTING SYSTEM USING BLOCKCHAIN**” is the bonafide work of “**RAMYA.D (422118104014), PAVITHRA.B (422118104011), VIJAYALAKSHMI.S (422118104023)** who carried out the project work under my supervision.

**SIGNATURE**

**Sr. A. PUNITHA JILT, M.Tech.,**

**ASSISTANT PROFESSOR**

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Panruti - 607 106.

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**Mr. S. RAJARAJAN, M.E.,**

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Panruti - 607 106.

Submitted for Project Viva- Voce Examination held on 22.09.2020.

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# REAL ESTATE MANAGEMENT SYSTEM

A PROJECT REPORT

*Submitted by*

A. ANNAI THERASAMMAL	422118104001
R. SANDHHIYA	422118104016
P. SENTHAMIZH SELVI	422118104018

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**APRIL 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**REAL ESTATE MANAGEMENT SYSTEM**” is the bonafide work of **A. ANNAI THERASAMMAL (422118104001), R. SANDHIYA (422118104016), P. SENTHAMIZH SELVI (422118104018)** carried out the project work under my supervision.

**SIGNATURE**

**Sr. A. PUNITHA JILT, M. Tech.,  
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Associate Professor  
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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**

**MOBILE CAMERA-BASED ASSISTIVE TEXT AND  
PRODUCT LABEL READING USING ANDRIOD FOR  
BLIND PERSONS  
PROJECT REPORT**

*Submitted by*

<b>N.SUBASRI</b>	<b>422118104020</b>
<b>M.JAYAVEENA</b>	<b>422118104006</b>
<b>M.PAVITHRA</b>	<b>422118104012</b>

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

**BACHELOR OF ENGINEERING  
IN  
COMPUTER SCIENCE AND ENGINEERING**

**ST ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ANNA UNIVERSITY:: CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**MOBILE CAMERA BASED ASSISTIVE TEXT AND PRODUCT LABEL READING USING ANDROID FOR BLIND PERSON**”

is the bonafide work of “**N.SUBASRI(422118104020),M.JAYAVEENA (422118104006), M.PAVITHRA(422118104012)**” who carried out the project work under my supervision.

**SIGNATURE**

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Panruti - 607110

Submitted for Project Viva- Voce Examination held on .....

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**ACKNOWLEDGMENT**

# PLACEMENT MANAGEMENT SYSTEM FOR CAMPUS RECRUITMENT

## MINI PROJECT REPORT

*Submitted by*

**R.VIMALA ROSHINI**                      **422118104024**  
**A.ARCHANA**                                **422118104002**

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

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*in*

**COMPUTER SCIENCE AND ENGINEERING**



**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY**



**ANNA UNIVERSITY::CHENNAI 600 025**

**JULY 2021**

**ANNA UNIVERSITY::CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “**PLACEMENT MANAGEMENT SYSTEM FOR CAMPUS RECRUITMENT**” is the bonafied work of **R.VIMALA ROSHINI (422118104024), A.ARCHANA(422118104002)** who carried out the project work under the supervision

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Submitted for the Project Viva-Voce examination held on .....

**Internal Examiner**

**External Examiner**





# ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY  
ANGUCHETTYPLAYAM, PANRUTI - 607 110.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING MINI PROJECT BATCH LIST

2020-2021

Sl.No	Register no	Name of the student	Name of the guide	Title of the Project	Related to Curriculum /Subject
1	422118105001	Aarthi Roja J	Mrs. J. ARUL MARTINAL.	Automatic washroom light using Arduino UNO & PIR sensors	Microcontroller & Embedded systems
	422118105007	Easwari M			
	422118105020	Sivapriya S			
2	422118105016	Nivetha M	Sr. ANNAI THERESA	Automatic watering system using Arduino UNO	Microcontroller & Embedded systems
	422118105021	Srilekha K			
	422118105023	Vivethitha P			
3	422118105004	Anbumani B	Mr. J. RAMESH	Water level detecting using Arduino UNO	Microcontroller & Embedded systems
	422118105008	Kalaipriyan S			
	422118105022	Surendhar K			
	422118105018	Rasu R			
4	422118105015	Naveenkumar C	Mr. A. SUNDARA PANDIYAN	Home automation using arduino	Microcontroller & Embedded systems
	422118105009	Kannan S			
	422118105302	Kavinilavan I			
5	422118105005	Bhuvaneshwaran K	Mr. V. BALAJI	LPG leakage detection and indication using arduino	Microcontroller & Embedded systems
	422118105019	Sampathkumar G			
	422118105304	Vijay V			

6	22118105006	Boobathi C	Ms. M. PREMALATHA	Smart dustbin using Arduino UNO	Microcontroller & Embedded systems
	422118105013	Mohanraj K			
	422118105014	Muralikrishnan M			
7	422118105017	Pieorex A	Mr. A. RICHARD PRAVIN	Smart board using Arduino UNO	Microcontroller & Embedded systems
	422118105301	Arokiya Raj			
	422118105305	Vijayakumar D			

for  
COORDINATOR

✓ EAF  
HOD

Dr. R. AROKIADASS, M.E., Ph.D.,  
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ANGUCHETTPALAYAM,  
Siruvathur-(Post), Panruti-(T.k),  
Cuddalore-(Dist), Pin: 607 110.

AUTOMATIC WASHROOM LIGHT  
USING ARDUINO UNO AND PIR SENSOR

A MINI PROJECT REPORT

*Submitted by*

AARTHI ROJA.J	422118105001
ESWARIM	422118105007
SIVAPRIYA.S	422118105020

*in partial fulfilment for the award of the degree*

*of*

BACHELOR OF ENGINEERING

*in*

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY


ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2021

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATIC WASHROOM LIGHT USING ARDUINO UNO & PIR SENSORS" is the bonafide work of "AARTHI ROJA.J, ESWARI.M, and SIVAPRIYA. S" who carried out the project work under my supervision.

  
SIGNATURE

  
SIGNATURE

V.C. Eugin Martin Raj  
HEAD OF THE DEPARTMENT

I.Arul Marudai  
SUPERVISOR

Department of Electrical and  
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Submitted for the university examination held on 02.03.21

  
INTERNAL EXAMINER

EXTERNAL EXAMINER

# AUTOMATIC WATERING SYSTEM USING ARDUINO UNO

## A MINI PROJECT REPORT

Submitted by

NIVETHA.M	422118105016
SRILEKHA.K	422118105021
VIVETHITHA.P	422118105023

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

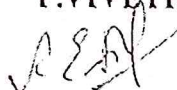
ANNA UNIVERSITY :: CHENNAI 600 025

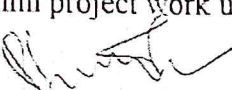
APRIL 2021

ANNA UNIVERSITY : CHENNAI 600 025

**BONAFIDE CERTIFICATE**

Certified that this mini project report "AUTOMATIC WATERING SYSTEM USING ARDUINO UNO" is the bonafide work of "M.NIVETHA K.SRILEKHA , P.VIVETHITHA" who carried out the mini project work under my supervision

  
SIGNATURE

  
SIGNATURE

V.C. Eugin Martin Raj  
HEAD OF THE DEPARTMENT

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SUPERVISOR

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Assistant Professor  
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Submitted for the university examination held on 02.08.2021

  
INTERNAL EXAMINER

EXTERNAL EXAMINER

# **WATER LEVEL DETECTING USING ARDUINO**

## **A MINI PROJECT REPORT**

**SUBMITTED BY**

**B.ANBUMANI**

**SKALAIPRIYAN**

**R.RASU**

**K.SURENDHAR**

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*In*

***ELECTRICAL AND ELECTRONICS ENGINEERING***

***ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY***

***ANNA UNIVERSITY :: CHENNAI 600 025***

***APRIL 2021***

**BONAFIDE CERTIFICATE**

Certified that this mini project report "WATER LEVEL DETECTING USING ARDUINO UNO" is the bonafide work of "B.ANBUMANI,S.KALAIPRIYAN,R.RASU,K.SURENDHAR" who carried out the mini project work under my supervision



SIGNATURE

V.C. Eugin Martin Raj

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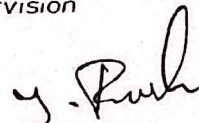
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Ramesh

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT



# HOME AUTOMATION USING ARDUINO

A PROJECT REPORT

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NAVEENKUMAR.C	422118105015

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APRIL 2021

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**BONAFIDE CERTIFICATE**

Certified that this project report " HOME AUTOMATION USING ARDUINO  
" is the bonafide work of " KANNAN.S , KAVINILAVAN.I, NAVEENKUMAR.C  
who carried out the project work under my supervision.



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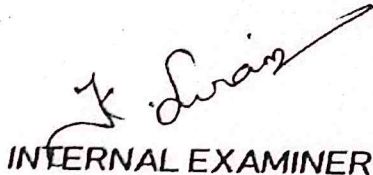
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INTERNAL EXAMINER

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**LPG LEAKAGE DETECTION AND INDICATION  
USING ARDUINO**

**A MINI PROJECT REPORT**

*Submitted by*

<b>BHUVANESHWARAN . K</b>	<b>422118105005</b>
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<b>VIJAY . V</b>	<b>422118105304</b>

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Certified that this mini project report "LPG LEAKAGE DETECTION AND INDICATION USING ARDUINO" is the bonafide work of "SAMPATHKUMAR.G , VIJAY.V , BHUVANESHWARAN.K " who carried out the mini project work under my supervision.



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INTERNAL EXAMINER

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# SMART DUSTBIN USING ARDUINO UNO

A MINI PROJECT REPORT

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Submitted for the university examination held on 02.08.21

  
INTERNAL EXAMINER

EXTERNAL EXAMINER

# **SMART DOOR USING ARDUINO UNO**

**A MINI PROJECT REPORT**

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INTERNAL EXAMINER

EXTERNAL EXAMINER





# ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

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

(An ISO 9001 : 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 110.

DEPARTMENT OF MECHANICAL ENGINEERING

ME8682 DESIGN AND FABRICATION PROJECT

BATCH 2018- 2022

YEAR/SEM: III/VI

S.NO	REG.NO	NAME	TITLE	NAME OF THE GUIDE
1	422118114001	Anbhazhagan T	Design and Fabrication of Drum Type Oil Skimmer	Mr.P.Murugan Assistant Professor Department of Mechanical
	422118114003	Arockia Tony Play J		
	422118114007	Dhinakaran K		
2	422118114004	Arulselvam M	Design and Fabrication of automatic lever operated knapsack Sprayer	Mr.R.Jayakumar Assistant Professor Department of Mechanical
	422118114011	Krishnaraj A		
	422118114017	SenthamilSelvan V		
	422118114020	Vigneshkumar A		
3	422118114005	Chandru S	Experimental Investigation Of Floating Solar Panel For Reducing Evaporation And Generating Power	Mr.M.Sivamanikandan Assistant Professor Department of Mechanical
	422118114008	Fralick S		
	422118114010	Karunakaran B		
4	422118114006	Daniel S	Design and Fabrication of Solar air conditioner	Mr.R.Sasikumar Assistant Professor Department of Mechanical
	422118114009	Kamalpriyan M		
	422118114701	Devendiran.R		
5	422118114012	Manivel D	Design and Fabrication of Hybrid Weeder	Mr.T.Elangovan Assistant Professor Department of Mechanical
	422118114016	Sathish Kumar J		
	422118114301	Arunprakash R		
	422118114302	Krishnakumar S		

R. Jayakumar  
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PRINCIPAL

# **Design and Fabrication of Drum Type Oil Skimmer**

**A Project Report**

*Submitted by*

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**DHINAKARAN K**

**422118114007**

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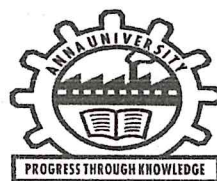
**IN**

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**COLLEGE OF ENGINEERING AND TECHNOLOGY**

**PANRUTI-607110**



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**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report “DESIGN AND FABRICATION OF DRUM TYPE OIL SKIMMER” is the bonafide work of “ANBHAZHAGAN T (422118114002), AROCKIA TONY PLAY J(422118114005), AND DHINAKARAN K (422118114007)” who carried out the project under my supervision.

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Submitted for project viva-voce examination held on

03.08.2021

Internal examiner

External examiner

**Design and Fabrication of  
Automatic lever operated knapsack Sprayer**

**A Project Report**

*Submitted by*

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<b>SENTHAMIL SELVAN V</b>	<b>422118114017</b>
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Internal examiner

External examiner

# **Experimental Investigation of Floating Solar Panel for Reducing Evaporation and Generating Power**

**A Project Report**

*Submitted by*

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**FRALICK S**

**422118114008**

**KARUNAKARAN B**

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**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

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Certified that this project report “**DESIGN AND FABRICATION OF DRUM TYPE OIL SKIMMER**” is the bonafide work of “**CHANDRU S(422118114005), FRALICK S(422118114008), AND KARUNAKARAN B(422118114010)**” who carried out the project under my supervision.

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Internal examiner

External examiner

**Design and Fabrication of  
Solar air conditioner**

**A Project Report**

*Submitted by*

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**DEVENDIRAN R**

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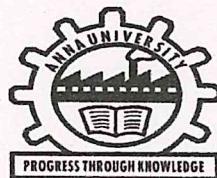
**IN**

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Certified that this project report "DESIGN AND FABRICATION OF DRUM TYPE OIL SKIMMER" is the bonafidework of "DANIEL S (422118114006), KAMALPRIYAN M (422118114009), AND DEVENDIRAN R (422118114701)" who carried out the project under my supervision.

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Internal examiner

External examiner

# **Design and Fabrication of Hybrid Weeder**

**A Project Report**

*Submitted by*

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**422118114016**

**ARUN PRAKASH R**

**422118114301**

**KRISHNAKUMAR S**

**422118114302**

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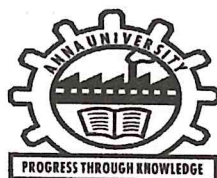
**IN**

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**PANRUTI-607110**



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**APRIL 2021**

**ANNA UNIVERSITY: CHENNAI 600 025**

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