



K S R Institute for Engineering and Technology

Tiruchengode, Namakkal(Dt) , Tamil Nadu

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

BE (CSE,EEE,ECE,Mech)&B.Tech (IT) Programmes are Accredited by NBA

For the Academic Year 2018– 2019

S. No.	Name of the Program	Page No
1	B.E – Computer Science and Engineering	2-11
2	B.E – Electrical and Electronics Engineering	12-34
3	B.E – Electronics and Communication Engineering	35-55
4	B.E – Mechanical Engineering (Main Project & Mini Project)	56-127
5	B. Tech – Information Technology	128-136
6	M.E – Computer Science and Engineering (Phase I & Phase II)	137-138
7	M.E – Embedded System Technologies (Phase II)	139-140
8	M.E – CAD/CAM (Phase I & Phase II)	141-142
9	M.E – Software Engineering (Phase I & Phase II)	143-144

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "DETECTION OF FRAUDULENT APPS IN GOOGLE PLAY STORE" is the bonafide work of "AARTHI R (731615104001), NAVEENA D (731615104021), SARANYA S (731615104034), SHARTHAN BANU D (731615104037)" who carried out the project work under my supervision.


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Submitted for the Project Viva - Voce Examination held on 02.04.2019



Internal Examiner




External Examiner


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NAMAKKAL DISTRICT, TAMIL NADU.

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BONAFIDE CERTIFICATE

Certified that this project report titled “**SIGNIFICANT PERMISSION IDENTIFICATION FOR ANDROID MALWARE DETECTION**” is the bonafide work of **AJITHKUMAR.P (731615104002)** , **GOKUL RAJ.V (731615104011)**, **PRADEEPKUMAR.R (731615104026)** , **VENKATESWARAN.P (731615104043)** who carried out the project work under my supervision.


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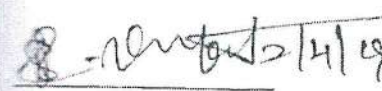
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CUSTOMER REVIEW ANALYSIS USING SENTIMENTAL ANALYSIS AND SVM CLASSIFICATION" is the bonafide work of "ARUNACHALAM C, JANANI A, NISHA S, VINOTHA V" who carried out the project work under my supervision.



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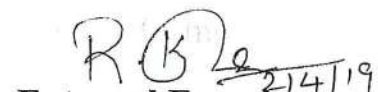

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BONA FIDE CERTIFICATE

Certified that this project report titled " HASHTAGGER BASED IDENTIFYING AND RANKING USING SOCIAL MEDIA FACTORS" is the bonafide work of " BALAJI M (731615104005), DINESH J (731615104008), GOKUL K (731615104010), SIVA SAKTHIVEL P (731615104038) " who carried out the project work under my supervision.


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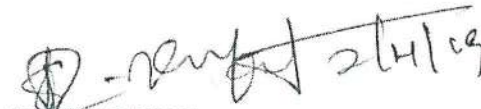
Dr. B. KALAAVATHI

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BONAFIDE CERTIFICATE

Certified that this project report "ANALYSIS OF CROP YIELD PREDICTION FOR WEATHER CONDITION USING DATA MINING" is the BONAFIDE work of "BALASUBRAMANIAM R, MEIYAPPAN M & JAGANAPATHY T" who carried out the project work under my supervision.


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Mr. M. JAGANATHAN

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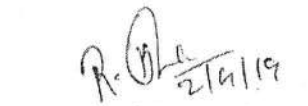
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Internal Examiner


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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PROTECTION IN TRAINING DATASETS USING WIRELESS BIG DATA WITH EDGE COMPUTING" is the BONAFIDE work of "BOOPATHIRAJA M, KIRUBHANANDHAN P, SAKTHIVEL E, THEEPAK KUMAR R" who carried out the project work under my supervision.


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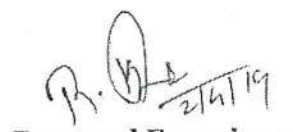
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Internal Examiner


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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PREDICTION OF PARKINSON'S DISEASE PROGRESSION USING MACHINE LEARNING TECHNIQUES" is the BONAFIDE work of "T E ELAKKIYA, R PRIYADHARSHINI, A SABANA YASMINE, D KAVIN" who carried out the project work under my supervision.


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "SKIN CANCER PREDICTION
MODEL FOR ONLINE REVIEW DATA USING ONTOLOGY
METHOD" is the bonafide work of "GUNABHARATHI T (731615104012),
PAVITHRA A(731615104024), PAVITHRA E(731615104025), SHALINI S
(731615104036)" who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report titled "EFFECTIVE ONLINE DISCUSSION DATA FOR TEACHER'S REFLECTIVE THINKING USING FEATURE BASE MODEL" is the bonafide work of "N.HARISH (731615104013), R.PRASANTH (731615104027), G.PRAVEEN (731615104029) and R.SUDHARSAN (731615104039)" who carried out the project work under my supervision.


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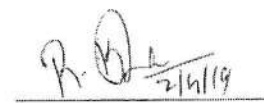
Technology

Tiruchengode-637215


Submitted for the Project Viva – Voice Examination held on 02/04/2019



Internal Examiner



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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "EFFECTIVE PREDICTION FOR ROCK BURST DATASET USING CLASSIFICATION ALGORITHM WITH PARTICLE SWARM" is the bonafide work Of " KARTHI KEYAN.G (731615104015), MOHANRAJ.C (731615104019), NIRANJAN IMMANVEL.R (731615104022) , PRASANTH.R (731615104028)" who carried out the project work under my supervision.


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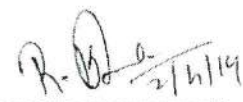
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Internal Examiner



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NAMAKKAL Dt. TAMIL NADU.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED REMOTE BRAKING SYSTEM AND SECURITY ENHANCEMENT FOR AUTOMOBILE" is the bonafide work of "ARUNKUMAR C., DICKMAN PIOUS P., GOWTHAM V" who carried out the project work under my supervision.


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

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

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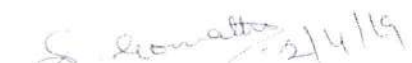
K S R Institute for Engineering

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Tiruchengode-637 215.

Submitted for the Project work Viva-Voce held on 2-4-2019


INTERNAL EXAMINER


EXTERNAL EXAMINER


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NANAKKAL DL, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN OF SMART WHEELCHAIR AND VITAL SIGNS MONITORING SYSTEM FOR PARALYTIC PATIENTS" is the bonafide work of "GAYATHRI K, HARI HARAN N, JEEVA K, MADHANRAJ B " who carried out the project work under my supervision.


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ANNA UNIVERSITY : CHENNAI 600 025

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Certified that this project report “ E-READER DEVICE FOR SIGHT CHALLENGED PEOPLE” is the bonafide work of “ DHIVAGAR N., KARTHIKRAJA A., KARTHIKEYAN M., KOWSALYA K” who carried out the project work under my supervision.


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NAMAKKAL Dt, TAMIL NADU.

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BONAFIDE CERTIFICATE

Certified that this project report "ELECTRIC BICYCLE USING HUB MOTOR WITH SOLAR CHARGER" is the bonafide work of "CHIDAMBARAM V, GOBIKRISHNAN R, GOKUL V, HARINI S" who carried out the project work under my supervision.

SIGNATURE

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

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INTERNAL EXAMINER


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Certified that this project report titled "AUTOMATIC BORDER ALERT SYSTEM FOR FISHERMAN BY USING GPS" is the bonafide work of "DHIVAGAR S., GOKULAKRISHNAN S., GOWSALYA A., KIRUBHAKARAN M" who carried out the project work under my supervision.


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

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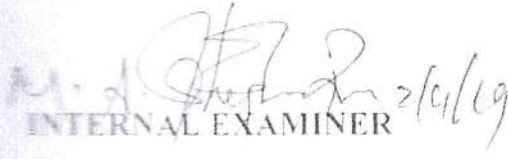
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Certified that this project report "RASPBERRY PI BASED GROUP ATTENDANCE SYSTEM USING TELEGRAM" is the bonafide work of KALAICHELVI V, KANNAN S, KARTHICK C, HARISUTHAN V, who carried out the project work under my supervision.


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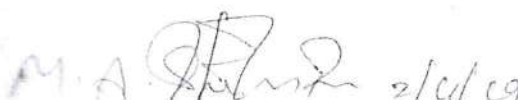

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DIGITAL WATER MANAGEMENT AND AUTOMATIC BILL GENERATION SYSTEM" is the bonafide work of "GOKUL RAMANAN E, GOWTHAM S, JANANI R, KEERTHIKA C" who carried out the project work under my supervision.


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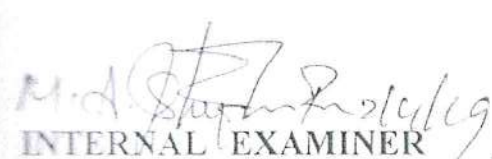

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Mrs. R. SACITHRAA M.E., (Ph.D.),

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART HELMET FOR WORKERS SAFETY IN HAZARDOUS ENVIRONMENT USING IOT" is the bonafide work of "ANANDKUMAR N, GOBINATH V P & HAGASTHIYA R J" who carried out the project work under my supervision.


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SIGNATURE

Mr. M. A. STEPHEN RAJ M.E.,


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NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FOREIGN PARTICLES
DETECTION IN RAW COTTON FOR TEXTILE INDUSTRY" is the
bonafide work of GOKUL N R, GOKUL RAJ R, JASMINE B,
KRISHNAMOORTHY S, who carried out the project work under my
supervision.


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DUAL AXIS SOLAR TRACKING SYSTEM" is the bonafide work of "ELANCHEZHIAN P., HARIHARAN G., KOKILAVANI M., GOKUL S." who carried out the project work under my supervision.


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

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Tiruchengode-637 215.

Submitted for the Project work Viva-Voce held on 2-4-2019.


INTERNAL EXAMINER


EXTERNAL EXAMINER


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TIRUCHENGODE - 637 215,
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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report " AUTOMATIC TRAIN TRACK
CRACK FAULT DETECTION " is the bonafide work of " GOKULRAJ B,
KODEESWARI M , VIMALKUMAR S, MANIKANDAN D " who carried
out the project work under my supervision.

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Submitted for the Project work Viva-Voce held on 02-04-2019

INTERNAL EXAMINER

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART DUSTBIN FOR AUTOMAT WASTE SEGREGATION BASED ON IOT" is the bonafide work of BASKER K., CATHRINAL J., DINAHARAN S., JEEVAPRAKASH V who carried out the project work under my supervision.

SIGNATURE

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INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this project report "CHILD RESCUE IN BOREWELL USING ARTIFICIAL INTELLIGENCE" is the bonafide work of MAHAESWARI A, MALARVANAN S, RAJASEKAR P V, VISHNU R, who carried out the project work under my supervision.


SIGNATURE

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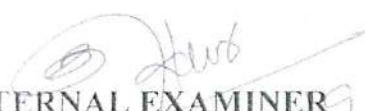

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INTERNAL EXAMINER
2.4.19


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24/4/19


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED INDOOR AIR QUALITY SUPERVISION AND CONTROL SYTEM" is the bonafide work of " MAHADURAI V. NAVEENKUMAR S. PERUMAL C. POOJA R" who carried out the project work under my supervision.


SIGNATURE

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Dr. T. SRIHARI M.E., Ph.D.,

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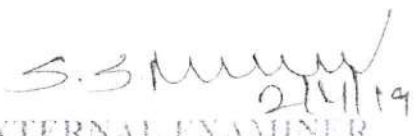
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Submitted for the Project work Viva-Voce held on 2.4.19


INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED ACCIDENT PREVENTION AND IDENTIFICATION SYSTEM" is the bonafide work of "LAVANYA R., MANOJ KUMAR R., MURUGANANTH M., SATHISH KUMAR M." who carried out the project work under my supervision.


SIGNATURE

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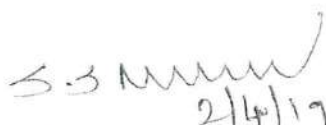
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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED REAL TIME MONITORING AND FAULT DETECTION OF DISTRIBUTION TRANSFORMER" is the bonafide work of "SOUNDHARYA S., SWATHI S., THARUN N., VEERAKUMAR B." who carried out their project work under my supervision.


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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EYE BLINK SENSOR CONTROLLED HOME AUTOMATION FOR PARALYSED AND ELDERLY PEOPLE" is the bonafide work of "MOHAMMEDRIYAS A., PRAVEENKUMAR S., RANGASAMY R., SWATHI R." who carried out the project work under my supervision.


SIGNATURE

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ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "REAL TIME FAULT DETECTION AND PROBLEM SOLVING IN INDUCTION MOTOR WITH INTERNET PLATFORM USING LABVIEW" is the bonafide work of "MONIKA S., SURENDHAR M.M., YOGAPRIYA S., YOKESH KANNA K.R.," who carried out the project work under my supervision.


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED EARLY DEMENTIA DETECTION" is bonafide work of "LOHESH J., PRAVEENKUMAR B., TAMILSELVAN M" who carried out the project work under my supervision.



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BONAFIDE CERTIFICATE

Certified that this project report "MEASUREMENT OF ELECTRICAL ENERGY FOR DOMESTIC CONSUMERS AND MONITORING OF TARIFF USING GSM MODULE" is the bonafide work of "MADHAN G., MOUNISHA S., NAVEEN M T., STEPHENIMMANUVEL J" who carried out the project work under my supervision.


SIGNATURE

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL REGENERATIVE BRAKING SYSTEM IN ELECTRIC VEHICLE" is the bonafide work of "MANIKANDAN G., MONISHA V., RAMESH S R., MOGESHWARAN S." who carried out their project work under my supervision.

SIGNATURE

Dr. S. JAYAKUMARATH, M.E., Ph.D.

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Submitted for the Project work Viva-Voce held on 2.4.19

INTERNAL EXAMINER

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL APPROACH OF POWER QUALITY IMPROVEMENT USING IUPQC" is the bonafide work of "PRIYADHARSHINI S., RAVI A., SEKAR S., SRINITHI G." who carried out the project work under my supervision.


SIGNATURE

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

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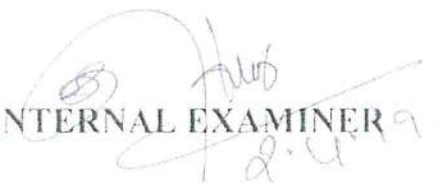

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Submitted for the Project work Viva-Voce held on 24.11.19


INTERNAL EXAMINER


EXTERNAL EXAMINER

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ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED POTHOLES DETECTION ON ROADS AND INFORMATION SHARING" is the bonafide work of "PAVITHRA M, RANJITHKUMAR N, SRI ABIRAMI V, SRINIVASAN R" who carried out the project work under my supervision.


SIGNATURE

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

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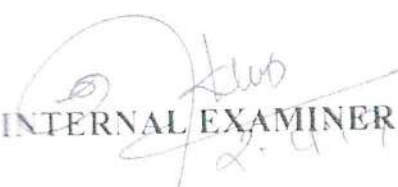

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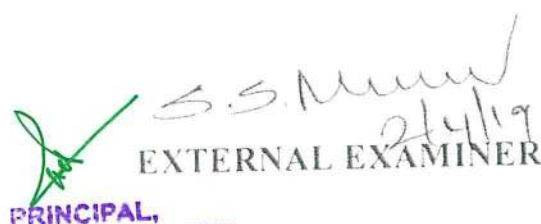
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INTERNAL EXAMINER


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ANNA UNIVERSITY-CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "REMOTE SURVEILLANCE AND SECURITY SYSTEM USING RASPBERRY PI" is the bonafide work of "ARUN KUMAR A, GOKILA T, KARTHIKEYAN S, KOMALA DEVI M" who carried out the project work under my supervision.


SIGNATURE

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INTERNAL EXAMINER


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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VEHICLE ACCIDENT DETECTION AND ALERT SYSTEM" is the bonafide work of "DHIIVYA M, KEERTHANA L, RAMKUMAR L, and SASIKUMAR T" who carried out the project work under my supervision.

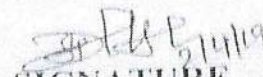


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Submitted for the Project work Viva-Voce held on 08/04/19



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ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART AND WEB BASED HEALTH MONITORING SYSTEM USING ARDUINO" is the bonafide work of "ANBARASAN.S, EZHIL.M, HARSHINI DEVL.P, KOWSALYA.C" who carried out the project work under my supervision.


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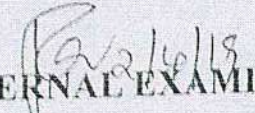
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Submitted for the Project work Viva-Voce held on 02/04/2019


INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

Certified that this project report "**DIGITAL HOTEL MENU ORDERING SYSTEM**" is the bonafide work of "**DEVI U, DHARANI R, DHAYALI G and KATHIRAVAN M**" who carried out the project work under my supervision.


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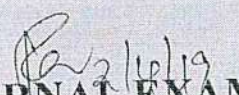
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Submitted for the Project work Viva-Voce held on 02.04.2019


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ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PASSENGER BUS ALERT SYSTEM FOR EASY NAVIGATION OF VISUALLY IMPAIRED PEOPLE" is the bonafide work of "PREETHI G, PRIYANGA M, PRIYANGA S, SOWMIYA C" who carried out the project work under my supervision.



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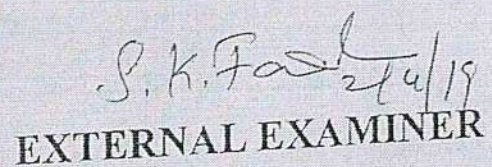
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INTERNAL EXAMINER



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BONAFIDE CERTIFICATE

Certified that this project report "A COMPARATIVE ANALYSIS OF AODV, DSDV AND DSR ROUTING PROTOCOL USING NS2 FOR DATA TRANSMISSION" is the bonafide work of "LOGAPRIYA M, PRABHU B, SARAVANAKUMAR S, THARUNYA S" who carried out the project work under my supervision.


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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

Certified that this project report "MONITORING AND CONTROL SYSTEMS IN AGRICULTURE FOR PLANT LEAF DISEASE DETECTION AND AUTO MEDICINE" is the bonafide work of "HEMALATHA T (731615106027), ISWARYA P (731615106028)" who carried out the project work under my supervision.


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

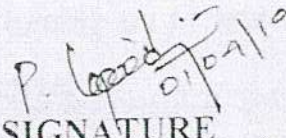
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Mr. P. GOVINDARAJU, M.E., MBA., (Ph.D.),

SUPERVISOR

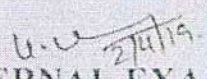
Assistant Professor,

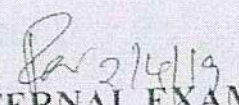
Electronics and Communication
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Tiruchengode – 637 215.

Submitted for the Project work Viva-Voce held on 02-04-2019


INTERNAL EXAMINER



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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART TOLL GATE WITH ELECTRIC VEHICLE CHARGING FACILITY" is the bonafide work of "DIVYA S, GAYATHRI R, GIRITHARAN L AND KARTHIKA D" that carried out the project work under my supervision.



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ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VOICE BASED SMART HOME AUTOMATION USING IOT" is the bonafide work of "PAVITHRA P, SUGANTHI S and VINOTHINI G" who carried out the project work under my supervision.


SIGNATURE

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

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Associate Professor

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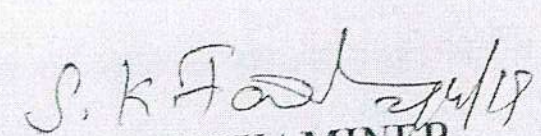
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and Technology

Tiruchengode-637215

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "BOAT SYSTEM FOR CLEAN UP OIL SPILL IN SEA SHORE USING ARDUINO" is the bonafide work of "BALAJI S, BHUVANESWARAN S M, CHANDRABOSE S, KALAISELVAN G" who carried out the project work under my supervision.


SIGNATURE

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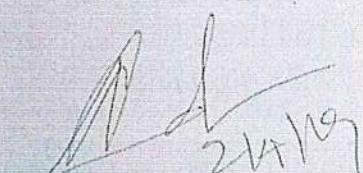

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ANNA UNIVERSITY: CHENNAI 600 025

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Certified that this project report "SOLDIER NAVIGATION AND HEALTH TRACKING SYSTEM USING ARDUINO" is the bonafide work of "KEERTHANA S, NIVEDHA K, NIVEDHAN RAJ C, SELVARAKESHKUMAR C" who carried out the project work under my supervision.


 SIGNATURE

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Mr. A. RAVI, M.E.,

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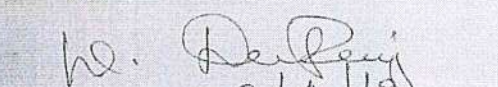
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 INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AGRICULTURE DRIP IRRIGATION SYSTEM USING ARDUINO" is the bonafide work of "BHUVANESWARI R., DEEPAK L., HARINI T., KOKILA R" who carried out the project work under my supervision.


SIGNATURE

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ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report " AUTOMATIC TRUCK LOAD MONITORING BASED ON SUSPENSION USING LOAD CELL " is the bonafide work of " PAVITHRA R, RAMESH S, RANJITH RAJA M " who carried out the project work under my supervision.



SIGNATURE

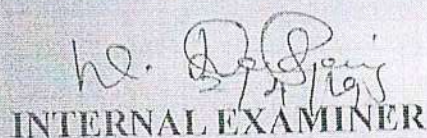
Dr.R.NANDAKUMAR,M.E.,Ph.D.,
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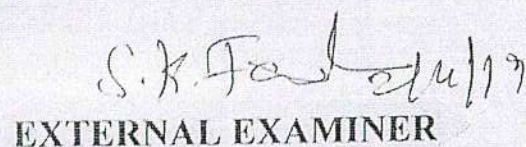
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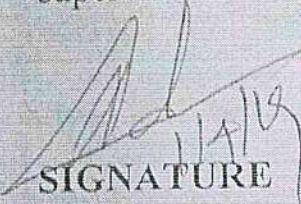


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ANNA UNIVERSITY::CHENNAI 600 025

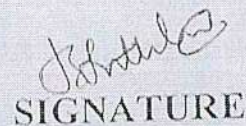
BONAFIDE CERTIFICATE

Certified that this project report "DATA AND VOICE TRANSMISSION USING VISIBLE LIGHT COMMUNICATION" is the bonafide work of "RAMYA B, TAMILARASI J, UMA MAHESWARI M" who carried out the project work under my supervision.



SIGNATURE

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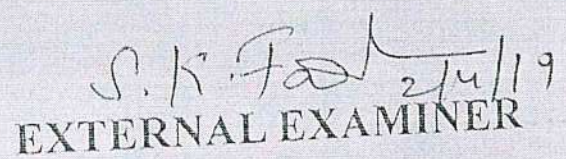
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NAMAKKAL Dt, TAMIL NADU.

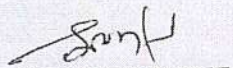
ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "BANK SECURITY SYSTEM USING VOICE RECOGNITION" is the bonafide work of "NIRMALKUMAR R, PALANIVELU G, SRIDHARAN S and VINAY V" who carried out the project work under my supervision.

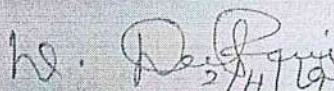
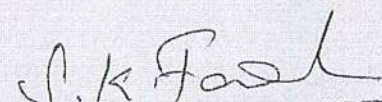

SIGNATURE

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 TIRUCHENGODE-637 215,
 NAMAKKAL DL, TAMIL NADU.

ANNA UNIVERSITY - CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN OF CHILD RESCUE ROBOT FOR BOREWELL ACCIDENTS USING RASPBERRY PI" is the bonafide work of "ALEXRAJA, BHARTHI.D, GOWRI.P, PRATHEEP.S" who carried out the project work under my supervision.



SIGNATURE

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

HEAD OF THE DEPARTMENT

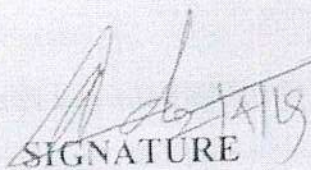
Professor

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K S R Institute For Engineering
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Tiruchengode - 637 215.



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

SUPERVISOR

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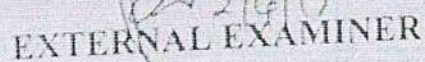
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and Technology,

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Submitted for the Project work Viva-Voce held on 02-06-2019



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TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**PLANT DISEASE PREDICTION AND AUTOMATIC IRRIGATION USING RASPBERRY PI**” is the bonafide work of “**MUTHUKUMAR P, NARESH N, THANGARAJ K and MAHESWARI C**” who carried out the project work under my supervision.



SIGNATURE

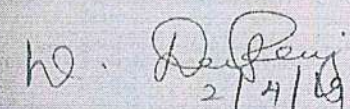
Dr.R.NANDAKUMAR,M.E.,Ph.D.,
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Professor & Head
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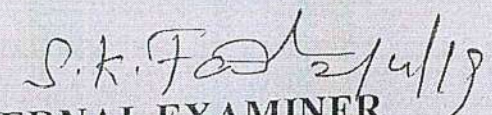
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Mr.M.V.MAHESH, M.Tech.,
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ANNA UNIVERSITY: CHENNAI 600 025

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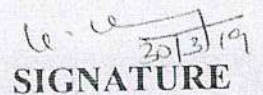
Certified that this project report "IMPLEMENTATION OF SMART CAR PARKING SYSTEM IN METROCITY" is the bonafide work of "GOPALAKRISHNAN R, JAYA BHARATHI S, KARTHIKEYAN P, and KAVI PREETHI V" who carried out the project work under my supervision.


SIGNATURE

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

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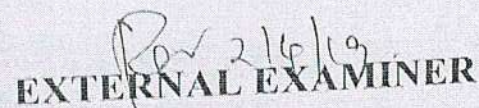
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NAMAKKAL Dt. TAMIL NADU.

ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CHILD SAFETY SYSTEM" is the bonafide work of "MOVULICA D. SARANYA M. SRIDHAR C. YOGESH E V" who carried out the project work under my supervision.


SIGNATURE

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ANNA UNIVERSITY::CHENNAI 600 025

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Certified that this project report "ROAD SIGN RECOGNITION SYSTEM BASED ON RASPBERRY PI" is the bonafide work of "NAVEEN T S, NAVEEN KANNAN S, PRADHIP R R, VINOTH KUMAR M" who carried out the project work under my supervision.


SIGNATURE

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

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Submitted for the Project work Viva- Voce held on--02/04/2019-----


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NAMAKKAL Dt. TAMIL NADU.

ANNA UNIVERSITY::CHENNAI 600 025

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Certified that this project report "NEWGEN RIDER'S SAFETY GADGET" is the bonafide work of "PRAVEEN KUMAR V, PRIYADHARSHINI S, SARASWATHI P, VISHWA M" who carried out the project work under my supervision.



SIGNATURE

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NAMAKKAL DI, TAMIL NADU



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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CFD ANALYSIS OF FLUID FLOW AND HEAT TRANSFER OF A SINGLE TUBE ARRANGEMENT OF AN AUTOMOTIVE RADIATOR" is the bonafide work of K S AJITH (731615114002), U BENAZIR (731615114019), R GOPIKA (731615114050), S ARUN AAKASH (731615114302) who carried out the project work under my supervision.


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Submitted for the Project report Viva-voce examination held on 02.04.2019


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ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**CFD MODELLING OF THE AUTOMOBILE CATALYTIC CONVERTER**" is the bonafide work of **ARAVINTHASAMY B(731615114010)**, **BALAJI M(731615114014)**, **BOOPATHIRAJA S(731615114024)**, **DHINESH S(731615114032)**, who carried out the project work under my supervision.


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Tiruchengode,

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Submitted for the Project report Viva-voice examination held on 02.04.2019


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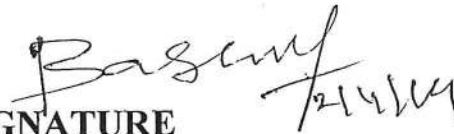
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K S R INSTITUTE FOR
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K S R KALVINAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FLOW ANALYSIS OF MARINE PROPELLER USING CFD SOFTWARE**” is the bonafide record of project work of **DINESH J, DINESHRAJ L, DINESHKUMAR B, DINESHKUMAR T** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E.,Ph.D.,
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Submitted for project report and viva – voce examination held

on21.4.19.


INTERNAL EXAMINER


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K S R KALVINAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU.

BONAFIDE CERTIFICATE

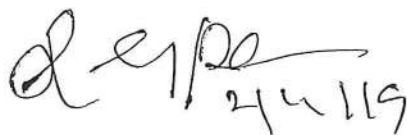
This is to certify that the project entitled, “**DESIGN AND ANALYSIS OF HELICAL SPRING USING COMPOSITE MATERIALS**” is the bonafide record of project work of **GOBINATH R, BALAKUMAR A, HARIPRASATH S, GIRI K** of MECHANICAL ENGINEERING during the year 2018-2019.



SIGNATURE

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Submitted for project report and viva – voce examination held

on21.4.19



INTERNAL EXAMINER



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**PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DL, TAMIL NADU.**

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “SMART AGRICULTURAL FARM USING IOT (INTERNET OF THINGS)” is the bonafide record of project work of ARAVINTHAN P V, AKILAN M, AJITH M, AJITH KUMAR S of MECHANICAL ENGINEERING during the year 2018-2019.



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Submitted for project report and viva – voce examination held

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INTERNAL EXAMINER



EXTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF INTERNAL AND EXTERNAL GRINDING ATTACHMENT FOR LATHE" is the bonafide work of "BALAKRISHNAN C (731615114017), DEVA S (731615114028), DUDIARASU S (731615114039), ELANGO V (731615114040) " who carried out the project work under my supervision.


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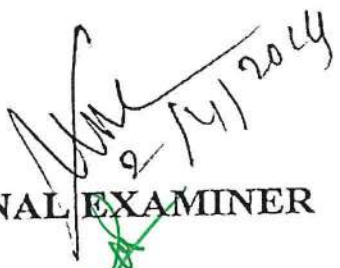

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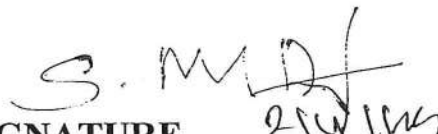
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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND DEVELOPEMENT OF OXY-HYDROGEN ENGINE**” is the bonafide record of project work of **JAGADESHWARAN S, GOKULRAJ V, DHANASEKAR R, HARIRAJ K** of MECHANICAL ENGINEERING during the year 2018-2019.


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NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND ANALYSIS OF WHEEL CHAIR WITH SHIFTING TECHNOLOGY FOR DISABLED PERSON**” is the bonafide record of project work of **BHUVANESHWARAN S, GOWTHAM K, HRITHWIK RAJEEV, JAGADEESH** of **MECHANICAL ENGINEERING** during the year 2018-2019.



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NAMAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL INVESTIGATION OF HYBRID COMPOSITES USING GLASS FIBER AND RECYCLED POLYESTER" is the bonafide work of "ARAVINDH P (731615114008), ARUN KUMAR S (731615114011), DHANUSH R (731615114030), and DINESH K (731615114035)" who carried out the project work under my supervision.


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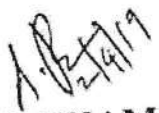
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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report **“DESIGN & ANALYSIS OF MATERIAL HANDLING SYSTEM USING KINEMATIC MECHANISM”** is the bonafide work of **“JAGADEESHBABU K,AJITH VDEENADHAYALAN,BHARATH KUMAR S”** who carried out the project work under my supervision.


SIGNATURE


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EXTERNAL EXAMINER


ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FEA AND WEAR RATE ANALYSIS OF NANO COATED HSS TOOLS FOR INDUSTRIAL APPLICATION" is the bonafide work of GNANAPRAKASH A.S (731615114045), GOKUL P (731615114047), GOKUL MAYURA PRIYAN B (731615114048), NISHANTHI B (731615114098), who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “A VEHICLE BODY DRAGS ANALYSIS USING COMPUTATIONAL FLUID DYNAMICS” is the bonafide record of project work of **GIRIDHARAN B, ADHISHANKARAN D, AJITH KUMAR S, GABY SACHIN S** of **MECHANICAL ENGINEERING** during the year 2018-2019.



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BONAFIDE CERTIFICATE


This is to certify that the project entitled, “**PERFORMANCE ANALYSIS OF GASOLINE ENGINE USING HHO GAS AS FUEL**” is the bonafide record of project work of **BALACHANDRAN S, CHELLAKAMALALAKSHMI R, BALAJI RAM G** of **MECHANICAL ENGINEERING** during the year 2018-2019.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “CFD FLOW ANALYSIS OF AIR CRAFT” is the bonafide record of project work of **BALAJI M, ALEXANDER M, BHARATHI K N, ELANTHENDRAL R** Mof MECHANICAL ENGINEERING during the year 2018-2019.


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “AERODYNAMIC ANALYSIS OF THE USE OF MULTIWINGLETS IN LIGHT AIRCRAFT” is the bonafide work of “DHARANISHANKAR P, ASHWIN L, JACKSON P V, BHARATH P” who carried out the project work under my supervision.


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF PARLLEL HYBRID TWO WHEELER.**” is the bonafide work of “**KABIL L, MADHUSUDHAN R, MANIKANDABOOPATHI B, MOHAMMED EHIYA S**” who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND EXPERIMENTAL ANALYSIS OF PORTABLE DRAIN GUTTER CLEANING MACHINE" is the bonafide work of "P.KANNAN, S.NANDHAKUMAR, M.NAVEEN, M.PRASANNAKUMAR", who carried out the project under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report “PARAMETER OPTIMIZATION OF ABRASIVE WATER JET MACHINING IN ALUMINIUM 6061 MATERIAL.” is the bonafide work of “KARTHICK R, PRAVEEN R, PUVIYARASAN N, RAM KUMAR M” who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report “**DEVELOPMENT OF NATURAL FIBRE CEMENT COMPOSITE ROOFING TILES.**” is the bonafide work of “**KARTHIKEYAN A, KUMAR P, PRAKASH R, G.KARTHIK**” who carried out the project work under my supervision.


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF STRETCHER WITH PORTABLE BED.**” is the bonafide work of “**KAVIN KUMAR R, LOGANATHAN K, MOHAN KUMAR R , NAVEEN M** “who carried out the project work under my supervision.


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INTERNAL EXAMINER


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project REPORT “**CORROSION BEHAVIOUS OF CERAMIC COATED STAINLESS STEEL IN AQUEOUS CONDITION.**” is the bonafide work OF “**KAVIPRIYAN S, LINGESWAR M, NAVEEN KUMAR N, KATHIRAVAN S** “ who carried out the project work under my supervision.


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NAMAKKAL Dt, TAMIL NADU.

ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**PERFORMANCE ANALYSIS OF BIODIESEL BLENDS USING CI ENGINE**” is the bonafide work of “**KISHORE M, NAVEEN N, PRINSHITH P, ROBERT SAM DANIEL** “ who carried out the project work under my supervision.


SIGNATURE


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF VOICE CONTROL WHEEL CHAIR.**” is the bonafide work of “**KISHORE KUMAR M, NAVEEN KUMAR N, NISHANTH E, RAMANA SARATHI A T** “ who carried out the project work under my supervision.


SIGNATURE


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INTERNAL EXAMINER


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NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY:: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF PICK AND PLACE ROBOT" is the bonafide work of "MADHAN KUMAR M, MOHANPRABHU K, NARENDHIRAN M, OM ADHAVAN B" who carried out the project work under my supervision.

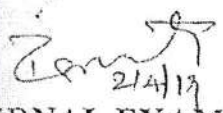

SIGNATURE

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INTERNAL EXAMINER


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF FORMULA-3FRAME**” is the bonafide work of “**KESAVARAJ M, MANIKANDAN G, MANOJKUMAR P R**” who carried out the project work under my supervision.


SIGNATURE

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INTERNAL EXAMINER


EXTERNAL EXAMINER

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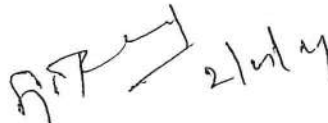
ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “ANALYSIS OF SILICON CARBIDE REINFORCED ALUMINIUM FOR CHIP MODULES.” is the bonafide work of “MANIKANDAN S, MANOKARAN P, NANDHAKUMAR M , RAGU S “ who carried out the project work under my supervision.


SIGNATURE

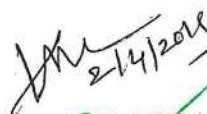
Dr. P.MURUGESAN, M.E.,Ph.D.,
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SIGNATURE

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Submitted for the Project report Viva-Voce Examination held on 2/4/19


INTERNAL EXAMINER


EXTERNAL EXAMINER
PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

BONAFIDE CERTIFICATE

Certified that this project report “DESIGN AND EXPERIMENTAL ANALYSIS OF VACUUM FRYER” is the bonafide work of “NANDHAKUMAR S, NAVANEETHAN R, PRITAM BHATTACHARYA G & PUGAZHENDI S K” who carried out the project work under my supervision.


SIGNATURE

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INTERNAL EXAMINER


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**PREPERATION AND ANALYSIS OF BIO DIESEL FROM WASTE COOCKING OILS**” is the bonafide record of project work of **NAVEEN KUMAR B, PALANISAMY R, GOWTHAMRAJ T** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,
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SIGNATURE

Mr.S.BALAMURUGAN, M.E.,
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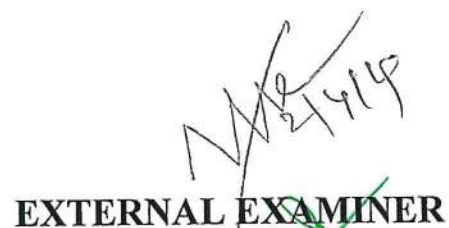
Department of mechanical engineering,

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Submitted to the project report and viva – voice examination held on 22/4/2019


INTERNAL EXAMINER


EXTERNAL EXAMINER

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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

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ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**OPTIMIZATION OF CUTTING PARAMETERS IN TURNING OF ALUMINIUM 7075 ALLOY USING RSM**” is the bonafide record of project work of **RAJAMANI M, RAMESH M, S.DINESH, V.GOWTHAM** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,

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**Mr. K.GOPALA KRISHNAN, M.E.,
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INTERNAL EXAMINER


EXTERNAL EXAMINER

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TIRUCHENGODE – 637 215

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**PERFORMANCE ANALYSIS OF SOLAR AIR DRYER.**” is the bonafide record of project work of **MANIKANDAN P, BOOPATHI S, ELAVARASAN D, MAHESHWARAN K** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

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Submitted to the project report and viva – voice examination held on 22.12.18


INTERNAL EXAMINER


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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report **"PERFORMANCE ANALYSIS OF FLUIDISED BED COOLING TOWER"** is the bonafide work of **"SANTHOSHKUMAR.S (731615114121), SARAVANAN.M (731615114124), SHREERAM.M.R (731615114135), REVENTHKUMAR.S (731516114319)"** who carried out the project work under my supervision.


SIGNATURE

Dr. P. MURUGESAN M.E., Ph.D.,
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Mr. G. GOWRISANKAR, M.E.,
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Submitted for the Project report Viva-Voce Examination held
on 02/04/19


INTERNAL EXAMINER


EXTERNAL EXAMINER

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF INNER WHEEL SUSPENSION SYSTEM" is the bonafide work of SUDHAKAR R M, SURYA S C, SYLESH P, VASANTHAKUMAR B who carried out the project work under my supervision.


SIGNATURE

Dr. P.MURUGESAN, M.E., Ph.D.,

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INTERNAL EXAMINER


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ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this thesis report titled "COMPUTATIONAL FLOW FIELD ANALYSIS OF COMBINED AXIS WIND TURBINE" is the bonafide work of "SANTHOSH KUMAR M (731615114122), SATHISH KUMAR T (731615114129), SHANKAR K (731615114133), VIGNESH S (731615114160)" who carried out the project work under my supervision.


SIGNATURE

Dr. P. MURUGESAN, M.E., Ph.D.,

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND ANALYSAIS OF FORMULA 3 CAR**” is the bonafide record of project work of **SABARIRAJ D, SOUNDHIRARAJAN P, VENGAINAYAGAN K, NETHAJI M** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report titled "DESIGN AND THERMO STRUCTURAL ANALYSIS OF GAS TURBINE BLADES" is the bonafide work of "SASIKUMAR S (731615114126), SHANKAR A (731615114132), SUBHASH S (731615114140), VIMALRAJ R (731615114163)" who carried out the project work under my supervision.


SIGNATURE

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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “Design and analysis of auto roll punching machine using geneva mechanism” is the bonafide work of “SANTHOSH, SHUKEL AHAMED MSRIDHAR L, VIJAY P” who carried out the project work under my supervision.


SIGNATURE

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INTERNAL EXAMINER


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**SETUP CHANGE IMPROVEMENT IN MAKINO A92 MACHINE**” is the bonafide record of project work of **SAI HARISH V, SASIKUMAR S, (28.12.1996), SHEIKMOHAMED M, SUNILRAJ C** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

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Submitted to the project report and viva – voice examination held on 02.04.2019


INTERNAL EXAMINER


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K S R INSTITUTE FOR
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TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU,

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS
VARIOUS PARAMETERS OF I.C. ENGINE FINS" is the bonafide
work of SANTHOSH KUMAR R, SATHISH KUMAR G, SARAN
KUMAR R, THIRU MOORTHY B who carried out the project work
under my supervision.


SIGNATURE

Dr. P. MURUGESAN M.E., Ph.D.,

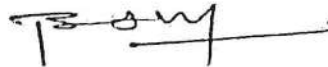
HEAD OF THE DEPARTMENT

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Mr. S. BASKARAN M.E.,

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Submitted for the Project work Viva-Voce held on 02-04-2019


INTERNAL EXAMINER


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NAMAKKAL Dt. TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CFD ANALYSIS OF EXHAUST MANIFOLD" is the bonafide work of SAMUEL DURAI A (731615114118), SATHISH KUMAR S (731615114128), SELVA KUMAR R (731615114131), NAVANEETHA KRISHNAN M (731615114701) who carried out the project work under my supervision


SIGNATURE


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Submitted for the Project work Viva-Voce held on 02.04.19


INTERNAL EXAMINER


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**CFD ANALYSIS OF VARIOUS CONFIGURATION OF FINS**” is the bonafide work of “**SHYAM SUNDAR S, UMANATH G, VIGNESH M , VIJAY M**” who carried out the project work under my supervision.


SIGNATURE


Dr. P.MURUGESAN, M.E.,Ph.D.,
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SIGNATURE

Mr. M.V.SHANMUGAM,M.E.,
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Submitted for the Project report Viva-Voce Examination held on 2.4.19


INTERNAL EXAMINER


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**QUADCOPTER FOR AGRICULTURE PESTICIDES SPRAYING**” is the bonafide record of project work of **NAVEEN A, PRAVINTH K, RADHAKRISHNAN M, RANJITHKUMAR M** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,

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INTERNAL EXAMINER


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TIRUCHENGODE – 637 215

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**CFD ANALYSIS OF MIXED FLOW PUMP IMPELLER**” is the bonafide record of project work of **SUDHARSEN M, THAMIL SELVAM S, VENKADESAN I, YOGESH K** of **MECHANICAL ENGINEERING** during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,
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Professor,
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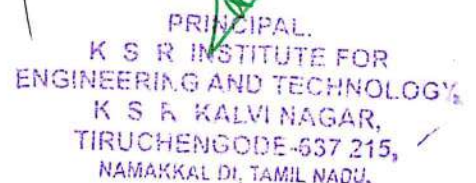

SIGNATURE

Mr. S.BALAMURUGAN, M.E.,
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Submitted to the project report and viva – voice examination held on 21.4.2019


INTERNAL EXAMINER



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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report titled "COMPUTATIONAL FLUID DYNAMIC ANALYSIS OF WAX MELTING" is the bonafide work of "TAMILVANAN M(731615114148), VENUGOPAL P(731615114157), VINOTH KUMAR P(731615114164), VISHNUKUMAR R(731615114165)" who carried out the project work under my supervision.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,

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BONAFIDE CERTIFICATE

Certified that this project report "DESIGN ANALYSIS AND IMPLEMENTATION OF COMPOSITE LEAF SPRING" is the bonafide work of "THAGAPPILLAI.G (731615114149), SENGOTAIYAN.R (731615114321)" who carried out the project work under my supervision.


SIGNATURE

Dr. P. MURUGESAN, M.E., Ph.D.,
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INTERNAL EXAMINER


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K. S. R. KALVINAGAR,
TIRUCHENGODE-637 215.
NAMAKKAL Dt, TAMIL NADU.

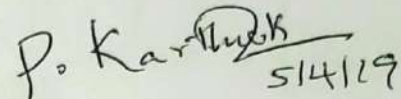
BONAFIDE CERTIFICATE

This is to certify that the project entitled, "Performance of Fluidized bed cooling tower" is the bonafide record of Design and Fabrication of AAKASH S , DHINAKARAN P , KEERTHIVASAN S , MOHAMMED NIHAL R Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
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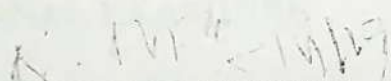

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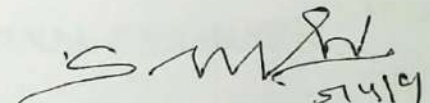
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INTERNAL EXAMINER


514129
EXTERNAL EXAMINER


PRINCIPAL,
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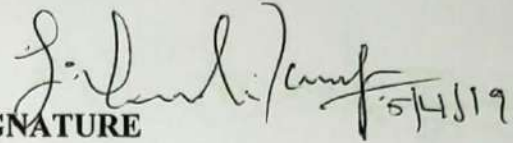
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "**DESIGN AND FABRICATION OF WHEEL CHAIR SHIFTING TECHNOLOGY FOR DISABLED PERSON**" is the bonafide record of Design and Fabrication of **DEEPAK R, ARSHATH S, ASWINKUMAR S, JOSHUA Y**, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

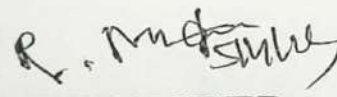

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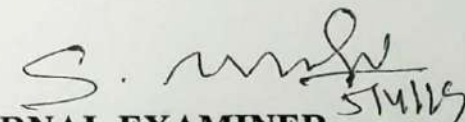
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SIGNATURE

MrS.SANJAIKUMAR .,M . E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
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Submitted for project report and viva – voce examination held on05.04.19


INTERNAL EXAMINER



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PRINCIPAL,
K S R INSTITUTE FOR
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K S R KALVINAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DL, TAMIL NADU

ANNA UNIVERSITY: CHENNAI – 600 025

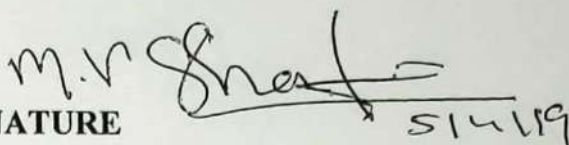
BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF UAV FOR SPRAYING PESTICIDE." is the bonafide record of Design and Fabrication of DHAYANIDHI M, HARI SHANKAR P, GOPINATH G, GOVINDASAMY A, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr. P. MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,

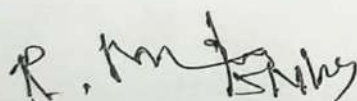
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.


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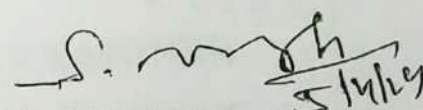
Mr. M.V. SHANMUGAM, M.E.
SUPERVISOR,
Associate Professor,

Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

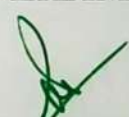
Submitted for project report and viva – voce examination held on 5.4.19



INTERNAL EXAMINER



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PRINCIPAL,
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DI, TAMIL NADU.

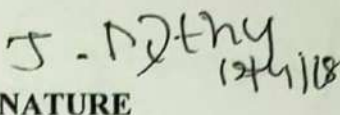
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF ENERGY GENERATOR BY USING PERPECTUAL MOTION PENDULUM." is the bonafide record of design and fabrication of DINESH KUMAR C, JEEVA K, JEEVA M , JESTINRAJ K, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

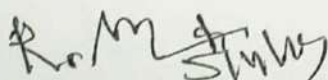

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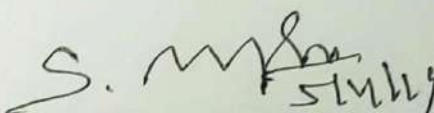
Dr.P.MURUGESAN M.E., Ph.D.,
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Tiruchengode – 637 215.



SIGNATURE

Mr. J.MATHAN. ,M . E
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Submitted for project report and viva – voce examination held on5.4.19.....


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVINAGAR,
TIRUCHENGODE - 637 215
MARAKKAL DI, TAMIL NADU

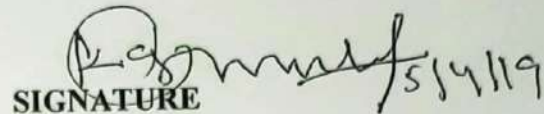
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF SELF AUTOMATED INDICATION SYSTEM." is the bonafide record of Design and Fabrication of ANNAMALAI K , KIRUBAKARAN M , LOGESH N , MOHAN ARJUN KUMARAVEL Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

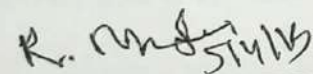

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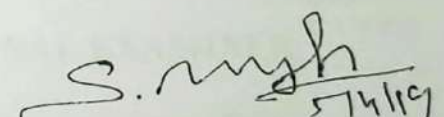
Dr.P.MURUGESAN M.E., Ph.D.,
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SIGNATURE

Mr.K.GOPALAKRISHNAN ,M . E
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Submitted for project report and viva – voce examination held on 25/04/19


INTERNAL EXAMINER


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K S R INSTITUTE FOR
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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "**DESIGN AND FABRICATION OF THREE WAY UNLOADING TIPPER**" is the bonafide record of design and Fabrication of **BHARATH V , BOOPATHI RAJA E , BOOPATHY K M, CHANDRASEKAR K,** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

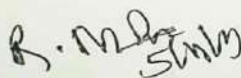

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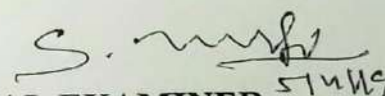
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
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SIGNATURE

Mr. S.BALAMURUGAN ,M . E
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Submitted for project report and viva – voce examination held on**5.11.19**.....


INTERNAL EXAMINER


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NAMAKKAL Dt, TAMIL NADU

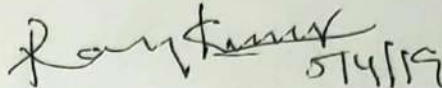
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF CANTILEVER BEAM" is the bonafide record of design and fabrication of LOGESH S, MADHANKUMAR L, GUNASEKARAN R, LAKSHMI NARAYANAN R, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

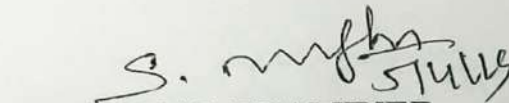

SIGNATURE

Dr.R.RAMESHKUMAR ,M . E,Ph.D
SUPERVISOR,
Associate Professor,
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Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on5.4.19.....


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TIRUCHENGODE - 637 215,
NAMAKKAL DISTRICT, TAMIL NADU.

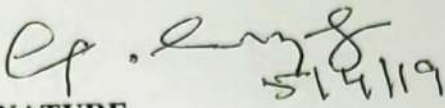
ANNA UNIVERSITY: CHENNAI – 600 025

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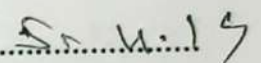
This is to certify that the project entitled, "**DESIGN AND FABRICATION OF BOX TRANSPORT MACHINE BY USING SINGLE SLIDER CRANK MECHANISM**" is the bonafide record of design and fabrication of **GOWTHAM P , HARIHARAN M , HARIHARAN S , PRASANTH S**, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

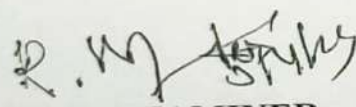

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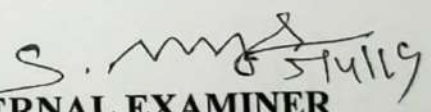
Dr.P.MURUGESAN M.E., Ph.D.,
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Technology,
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SIGNATURE

Mrs. G.GOWRISHANKAR , M.E
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Submitted for project report and viva – voce examination held on 5.11.19


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K S R KALVINAGAR,
TIRUCHENGODE - 637 215,
HAMBAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "**AUTOMATED PUNCHING MACHINE USING GENEVA MECHANISM**" is the bonafide record of design and fabrication of **DHEVENDRAN E , INBARASAN C , KARTHIKEYAN P , KARTHI S ,** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,

Professor,

Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,

Tiruchengode – 637 215.

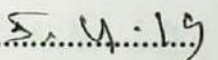

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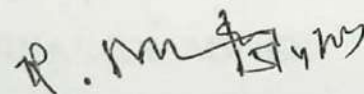
Mr. S.PONNUSAMY, M.E
SUPERVISOR,


Associate Professor,

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Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on.....


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
KANNIYAKUMARI DISTRICT, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

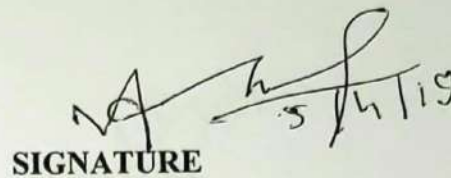
BONAFIDE CERTIFICATE

This is to certify that the project entitled, "**DESIGN AND FABRICATION OF FOOD STEP POWER GENERATOR**" is the bonafide record of design and fabrication of **GOKUL R , KAROLE INFANTO D , KESAV GOUTHAM N B, MAGESWARAN A,** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,

Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

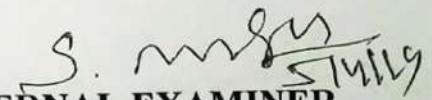

SIGNATURE


Mr. A.MOHANRAJ,M . E
SUPERVISOR,

Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on**5.11.19**.....


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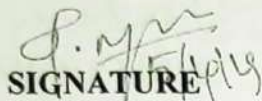

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K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVINAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DL, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

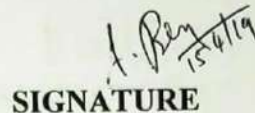
BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF PNEUMATIC SHEETMETAL CUTTING MACHINE**” is the bonafide record of Design and Fabrication of **AJITH M, HARIHARAN M , KAVINKUMAR R , MANOJKUMAR K ,** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

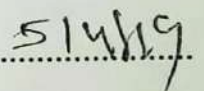
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,

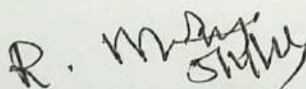
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

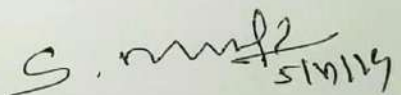

SIGNATURE


Mr. A.PREMKUMAR ,M . E
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Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on 


INTERNAL EXAMINER

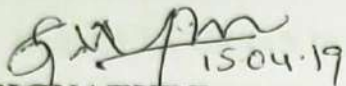

EXTERNAL EXAMINER


PRINCIPAL
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF GEARLESS TRANSMITTED SYSTEM**” is the bonafide record of design and fabrication of **CHELLATHURAI T, BARATH V, ETHAYAKUMAR G** , Who carried out the work under my supervision during the year 2018-2019.

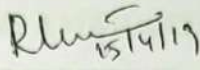

SIGNATURE

**Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,**

Professor,

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KSR Institute for Engineering and
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Tiruchengode – 637 215.


SIGNATURE

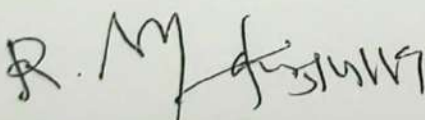
**Mr. R.VASANTHAKUMAR, M.E.,
SUPERVISOR,**

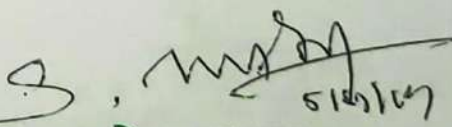
Assistant Professor,

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Submitted for project report and viva – voce examination held on15.04.19.....


INTERNAL EXAMINER


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K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.**

BONAFIDE CERTIFICATE

This is to certify that the project entitled, **"RAIN DETECTION WITH AUTOMATIC CLOSE OF WINDOW"** is the bonafide record of design and fabrication of **KAVIN P , MANIKANDAN V , MOHANRAJ B , BALAJI M** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,


Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

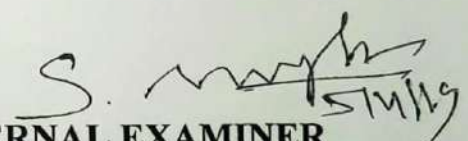

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Mr AMARNATH.M ,M . E
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Submitted for project report and viva – voce examination held on5.4.19


INTERNAL EXAMINER


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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF FLUIDISED BED COOLING TOWER." is the bonafide record of design and fabrication of MOHANAKRISHNAN D, JAYAMURUGAN K S, KALEESWARAN D, GOKULRAJ P Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

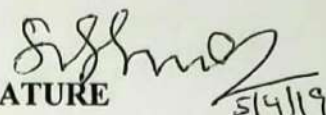

SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,

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Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,

Tiruchengode – 637 215.


SIGNATURE


Mr. M.SATHISHKUMAR .,M.E
SUPERVISOR,

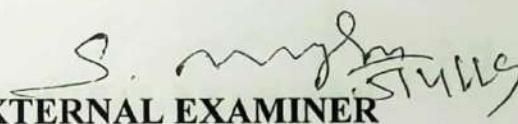
Associate Professor,


Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,

Tiruchengode – 637 215.

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NAMAKKAL DI, TAMIL NADU.

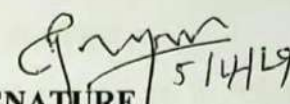
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF VARIOUS TUBE INSERTS" is the bonafide record of Design and Fabrication of RAJKUMAR S, RANJITH KUMAR V, RIYAZ AHAMED S, SAKTHI GNANASUNDARAM R H, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


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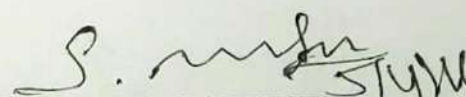
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
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KSR Institute for Engineering and
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Tiruchengode – 637 215.



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Dr.P.MURUGESAN ,M . E , Ph.D
SUPERVISOR,
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ANNA UNIVERSITY: CHENNAI – 600 025

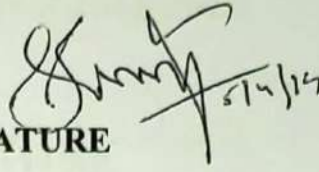
BONAFIDE CERTIFICATE

This is to certify that the project entitled, "Design And Fabrication Of Pneumatic Punching Machine" is the bonafide record of design and fabrication of PARTHASARATHY R , PRASANTH R , RAHUL C , UTHAYAKUMAR M ,mechanical engineering who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,

Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.


SIGNATURE

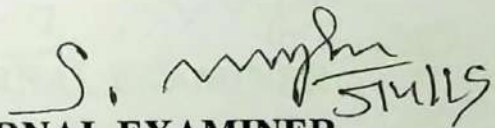
Dr.R.MANI , M. E , Ph.D
SUPERVISOR,
Associate Professor,


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Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on5/4/19



INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "**DESIGN AND FABRICATION OF FORCED CONVECTION SOLAR AIR DRYER**" is the bonafide record of Design and Fabrication of **PRABHAKARAN M, SURYA R, VIGNESH B** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

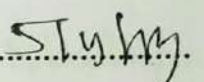
Dr. P. MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,

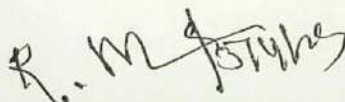
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

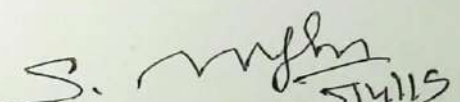

SIGNATURE


Mr K. VELUSAMY, M.E
SUPERVISOR,
Associate Professor,

Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on .


INTERNAL EXAMINER


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K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF MINI BELT GRINDER**” is the bonafide record of design and fabrication of **NAVINKUMAR M, SHAKTHI R M, VASANTHAKUMAR P , YOGESH T**, Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,

HEAD OF THE DEPARTMENT,

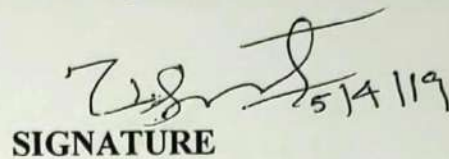
Professor,

Department of Mechanical Engineering,

KSR Institute for Engineering and

Technology,

Tiruchengode – 637 215.


SIGNATURE

Mr P.CHAKRAVARTHI , M.E

SUPERVISOR,

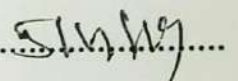
Associate Professor,

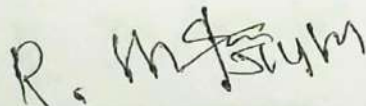
Department of Mechanical Engineering,

KSR Institute For Engineering and

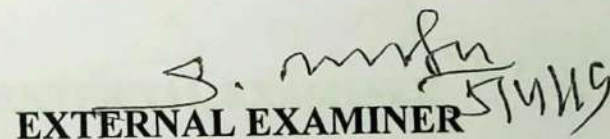
Technology,

Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on.....



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EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF PNEUMATIC CAN CRUSHER" is the bonafide record of design and fabrication of MANOJ.R, R.K.PRANESH, R.NIZARAHAMED, S.THAMARAI SELVAN Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,

HEAD OF THE DEPARTMENT,

Professor,

Department of Mechanical Engineering,

KSR Institute for Engineering and

Technology,

Tiruchengode – 637 215.


SIGNATURE

Mr S.RAJKUMAR, M.E

SUPERVISOR,

Associate Professor,

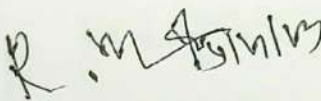
Department of Mechanical Engineering,

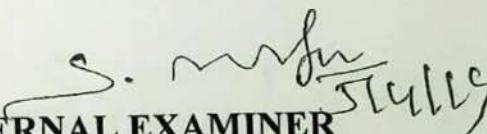
KSR Institute For Engineering and


Technology,

Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on 5/4/19.....


INTERNAL EXAMINER


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PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

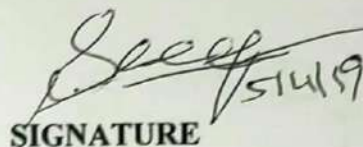
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "MANUFACTURING IN NATURAL FIBRE COMPOSITE USING EPOXY RESIN" is the bonafide record of Design and Fabrication of RAGAVENDHAR S , RANJITHKUMAR R , RUTHRANNAN B , YOGARAJ.G Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

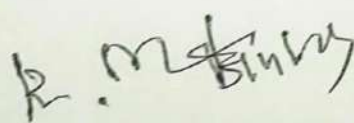

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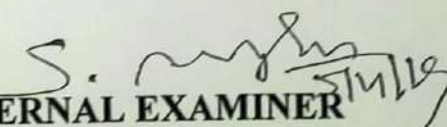
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
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Technology,
Tiruchengode – 637 215.



SIGNATURE

Mr P.GOPINATH, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on5/4/19.....


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K S R INSTITUTE FOR
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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF ELECTRO PNEUMATIC BREAKING SYSTEM**” is the bonafide record of Design and Fabrication of **NAVINKUMAR M, SHAKTHI R M, VASANTHAKUMAR P, YOGESH T** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,

HEAD OF THE DEPARTMENT,


Professor,

Department of Mechanical Engineering,

KSR Institute for Engineering and

Technology,

Tiruchengode – 637 215.


SIGNATURE

Mr S.MOKANAVELAN, M.E

SUPERVISOR,

Associate Professor,

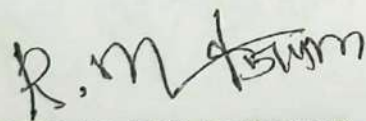
Department of Mechanical Engineering,

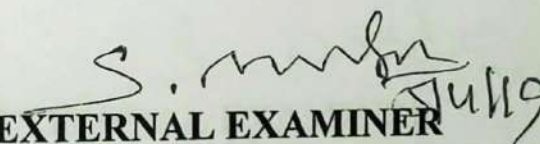
KSR Institute For Engineering and


Technology,

Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on 5/4/19.....



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PRINCIPAL,
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

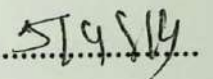
This is to certify that the project entitled, "**DESIGN AND FABRICATION OF FRONT FORK MONO SUSPENSION**" is the bonafide record of Design and Fabrication of **PRABAKARAN S , PRAVEEN R , VINOTHMANI M , VISHNU.S** , Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

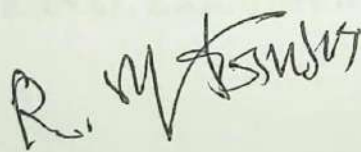

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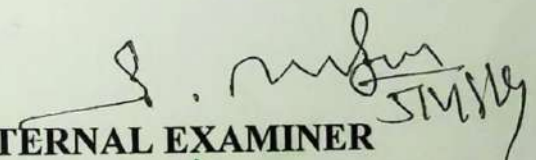
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.


SIGNATURE

Mr S.RAJKUMAR, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
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Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on.....


INTERNAL EXAMINER


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K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF PAPER CUTTING MACHINE BY USING GENEVA MECHANISM" is the bonafide record of Design and Fabrication of **NANDHA GOBAL S , RANJITH R , SANJAY KUMAR S , SANTHOSH KUMAR B** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.



SIGNATURE

Mr D.RAMKUMAR, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on5/4/19.....


INTERNAL EXAMINER


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PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

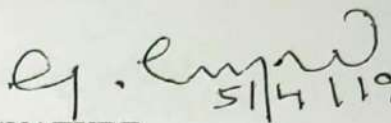
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "AN EFFECT OF DRILLING PARAMETERS ON THE FINISHED SURFACE OF JFRC COMPOSITES" is the bonafide record of Design and Fabrication of SAKTHIVEL R, SARANRAJ S, SHANMUGAMANIVEL D, SURENDHAR J Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

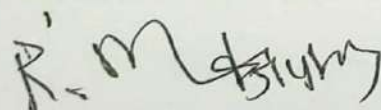

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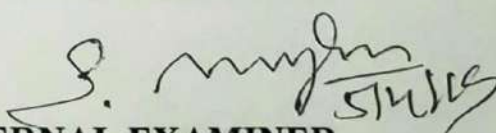
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.



SIGNATURE

Mrs G.ANITHA, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
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Technology,
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Submitted for project report and viva – voce examination held on5/4/19.


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DL TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF AUTOMATED PORTABLE HAMMERING MACHINE" is the bonafide record of Design and Fabrication of SOWNDHAR A, THIRUMURUGAN V, PRAKASH S, SANJEEVI K P Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

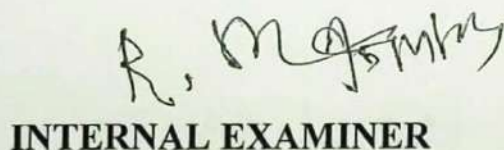

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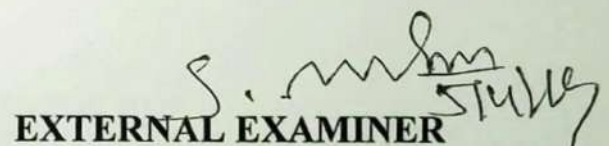
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.


SIGNATURE

Mr J.MATHAN, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
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Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on5.4.19.


INTERNAL EXAMINER


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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DL, TAMIL NADU.

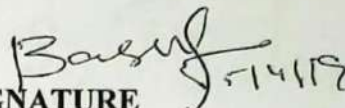
ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

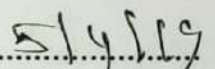
This is to certify that the project entitled, "**DESIGN AND FABRICATION OF MINI HACKSAW POWERED BY BEAM ENGINE**" is the bonafide record of Design and Fabrication of **RAVICHANDRAN S, SATHISH G, THAMOTHARAN J, VIJAYARAGAVAN P** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

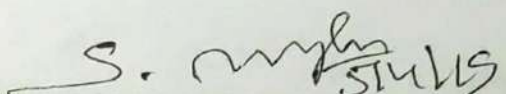
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.


SIGNATURE

Mr S.BASKARAN, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.


ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

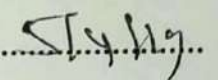
This is to certify that the project entitled, "**DESIGN AND FABRICATION OF FORCED CONVECTION SOLAR AIR DRYER**" is the bonafide record of Design and Fabrication of **PRAVEENKUMAR S, SARAN K, VELMURUGAN T, VIJAY ANAND G** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.

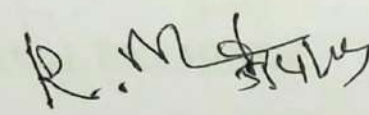

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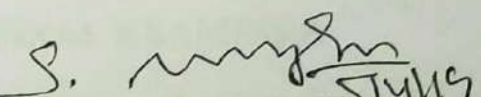
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.



SIGNATURE

Mr S.RAHUL, M.E
SUPERVISOR,
Associate Professor,
Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on..


INTERNAL EXAMINER


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PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU:

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF FOUR WHEEL STEERED MULTI- UTILITY VEHICLE**” is the bonafide record of design and fabrication of, **PRAVEEN R, SABARISH R, VIVEK P** Mechanical Engineering Who carried out the work under my supervision during the year 2018-2019.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,

Professor,

Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.

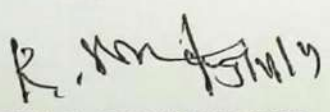

SIGNATURE

Mr P.MANIKANDAN, M.E
SUPERVISOR,


Associate Professor,

Department of Mechanical Engineering,
KSR Institute For Engineering and
Technology,
Tiruchengode – 637 215.

Submitted for project report and viva – voce examination held on 5.4.19.....


INTERNAL EXAMINER


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PRINCIPAL,
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "STUDENT REFERENCE SITE" is the bonafide work of "ABHITH JOHN ANTO K, DIVAGAR M and GOWSIKKANNAN V" who carried out the project work under my supervision.


SIGNATURE

P. MEENAKSHI DEVI

HEAD OF THE DEPARTMENT

DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637215

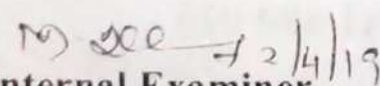

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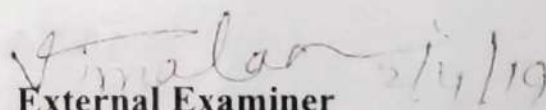
M. DHURGADEVI M.E.,


SUPERVISOR

ASSISTANT PROFESSOR
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637215

Submitted for the Project Viva-Voce examination held on 2/4/19


Internal Examiner

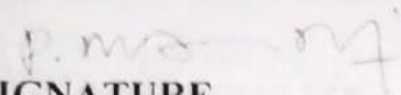

External Examiner


PRINCIPAL
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DIST. TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CENTRALIZED EXAM CELL WITH AUTOMATED HALL ALLOCATION" is the bonafide work of "ARUN KUMAR R, DHANUSYADEVI S, ELANGO VAN S and MANOJKUMAR D" who carried out the project work under my supervision.


SIGNATURE

Dr. P. MEENAKSHI DEVI M.E., Ph.D.,

HEAD OF THE DEPARTMENT

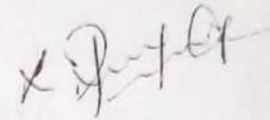
DEPARTMENT OF

INFORMATION TECHNOLOGY,

KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215

SIGNATURE



Ms. L. PRIYANGA DEVI M.E.,

SUPERVISOR

ASSISTANT PROFESSOR


DEPARTMENT OF

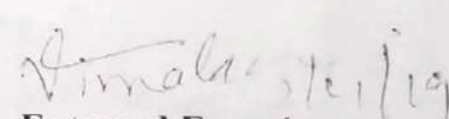
INFORMATION TECHNOLOGY,


KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215

Submitted for the Project Viva Voce examination held on 02.04.2019


Internal Examiner


External Examiner


PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY:: CHENNAI 600 025


BONAFIDE CERTIFICATE

Certified that this project report "SEARCH RANK FRAUD IN GOOGLE PLAY USING FINDER CLUSTER PROCESS" is the bonafide work of "AJITH KUMAR R, SUNDARAMOORTHY G, THIRUMALAIRAJAN K and VINEETH PRAVEEN V" who carried out the project work under my supervision.


SIGNATURE

Dr.P.MEENAKSHI DEVI M.E.,Ph.D.,
HEAD OF THE DEPARTMENT

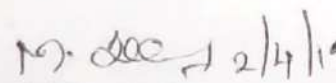
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637215

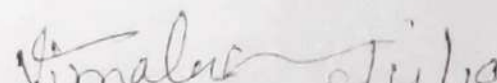

SIGNATURE


Mr.S.NANDHAGOPAL M.E.,
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ASSISTANT PROFESSOR
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR
ENGINEERING
AND TECHNOLOGY-637215

Submitted for the Project Viva-Voce examination held on 02 04 2019


Internal Examiner


External Examiner


PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
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NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

Certified that this project report "**DYNAMIC AND RESPONSIVE WEBSITE FOR COLLEGE**" is the bonafide work of **DENMOZHI S, DIVYA R, ELANGO VAN P** and **ELANKANEI M** who carried out the project work under my supervision.


SIGNATURE

Dr.P. MEENAKSHI DEVI M.E., Ph.D.,

HEAD OF THE DEPARTMENT

DEPARTMENT OF

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KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215


SIGNATURE

Dr. K. GOWSIC M.E., Ph.D.,

SUPERVISOR

ASSISTANT PROFESSOR

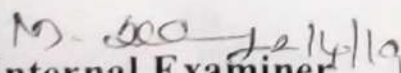
DEPARTMENT OF


INFORMATION TECHNOLOGY,

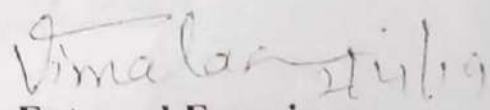
KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215

Submitted for the Project Viva-Voce examination held on 02.04.19



Internal Examiner


PRINCIPAL,
K. S. R. INSTITUTE FOR
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K. S. R. KALVI NAGAR
TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU.


External Examiner

BONAFIDE CERTIFICATE

Certified that this project report "**CHOICE BASED CREDIT SYSTEM**" is the bonafide work of "**DHARANI P, HEMALATHA G, KOUSIK A and PRIYANKA S**" who carried out the project work under my supervision.


SIGNATURE

Dr. P. MEENAKSHI DEVI

HEAD OF THE DEPARTMENT

DEPARTMENT OF

INFORMATION TECHNOLOGY,

KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215


SIGNATURE

Ms. K. G. LAVANYA

SUPERVISOR

ASSISTANT PROFESSOR

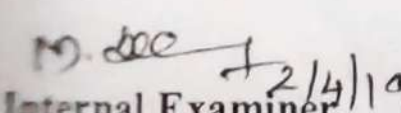
DEPARTMENT OF

INFORMATION TECHNOLOGY,

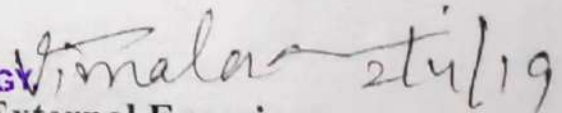
KSR INSTITUTE FOR ENGINEERING

AND TECHNOLOGY-637215

Submitted for the Project Viva - Voce examination held on 2.4.2019


Internal Examiner


PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DISTRICT, TAMIL NADU.


External Examiner

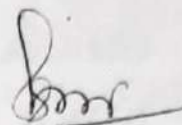
BONAFIDE CERTIFICATE

Certified that this project report **"PRIVACY ISSUES IN SOCIAL NETWORKS AND PRESERVING LOCATION PRIVACY"** is the bonafide work of **"DEEPA K, DHARANI G, KOKILAVANI J and MOHANAPRIYA S"** who carried out the project work under my supervision.



SIGNATURE

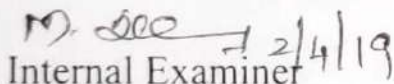
Dr.P. MEENAKSHI DEVI
HEAD OF THE DEPARTMENT
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637 215




SIGNATURE

Dr.S. RUSSIA
SUPERVISOR
PROFESSOR
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INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637 215

Submitted for the Project Viva Voce examination held on 02.04.2019


Internal Examiner

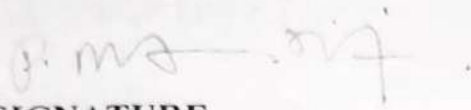

External Examiner

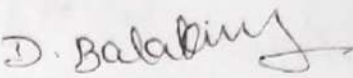

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“WORKFLOW MANAGEMENT WITH REAL-TIME TASKS ORIENTED ENERGY-AWARE SCHEDULING IN VIRTUALIZED CLOUDS”** is the bonafide work of **“BALAJI S, GOWTHAM R, KAVIN K and SELVAKUMAR B”** who carried out the project work under my supervision.

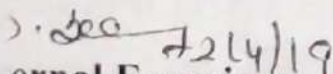

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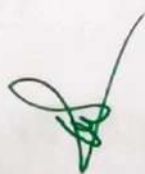

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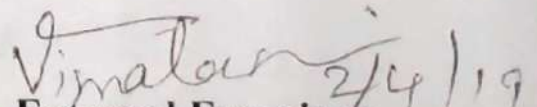
Dr. P. MEENAKSHI DEVI
HEAD OF THE DEPARTMENT
DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637215.

Mr. D. BALAKRISHNAN
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Submitted for the Project Viva-Voce examination held on 02.04.2019.


External Examiner



PRINCIPAL
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NAMAKKAL DISTRICT, TAMIL NADU.


External Examiner

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

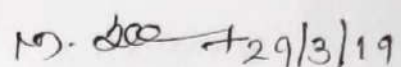
Certified that this project report **"EEG BASED BRAIN COMPUTER INTERFACE IN VIRTUAL REALITY"** is the bonafide work of **"ARAVIND KUMAR V, CHIRAAG L, RAMESH A and RINESH R"** who carried out the project work under my supervision.



SIGNATURE

Dr.P.MEENAKSHI DEVI M.E.,Ph.D.,
HEAD OF THE DEPARTMENT

DEPARTMENT OF
INFORMATION TECHNOLOGY,
KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY-637215

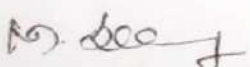


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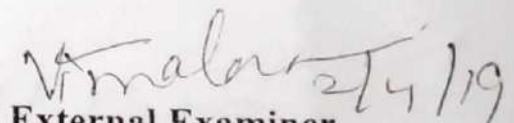
Mr.M.SELVA KUMAR M.E.,
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AND TECHNOLOGY-637215

Submitted for the Project Viva-Voce examination held on 2.4.2019



Internal Examiner



External Examiner



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K. S. R. KAMARAJAR,
637 215
CHENNAI - 600 025

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "ONLINE SERVER BASED SMART LAB SYSTEM" is the bonafide work of AISWARYA R, RAJESH KUMAR DAS, SARAVANA PRIYA R, SNEKA D who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

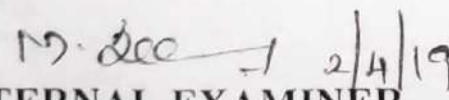
Dr. P. MEENAKSHI DEVI M.E., Ph.D.,
HEAD OF THE DEPARTMENT

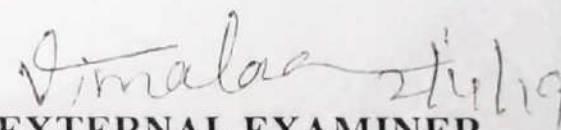
Department of Information Technology,
K S R Institute of Engineering and
Technology, Tiruchengode-637215.


Mr L. DEEPAN PRABU,
SUPERVISOR

Assistant Professor,
Department of Information
Technology,
K S R Institute of Engineering and
Technology, Tiruchengode-637215.

Submitted to the project Viva-Voce held on 2.04.19


INTERNAL EXAMINER


EXTERNAL EXAMINER

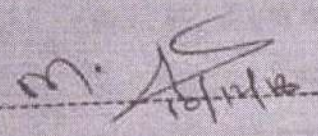

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

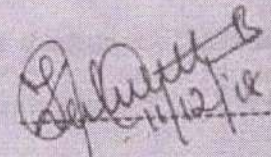
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215

ANNA UNIVERSITY, CHENNAI

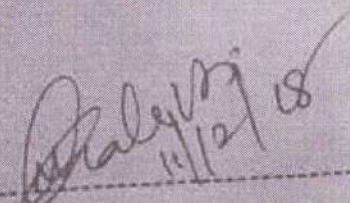
BONAFIDE CERTIFICATE

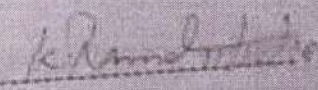
This is to certify that the project titled, "A COMPREHENSIVE TRUSTWORTHY DATA COLLECTION" is the bonafide record of Project Work (Phase-I) of PRAVEENA G (Reg.No.731617405001) of M.E. (Computer Science and Engineering) during the year 2018-2019.



Mr. M. JAWAHAR, M.E.,
SUPERVISOR,
Assistant Professor / CSE


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head / CSE

Submitted for the project work (Phase-I) Viva-Voce examination held on 11/12/2018


Internal Examiner


External Examiner

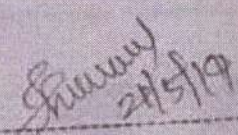

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVINAGAR,
TIRUCHENGODE-637215,
NAMAKKAL Dt, TAMIL NADU.

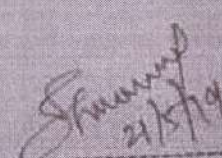
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215

ANNA UNIVERSITY, CHENNAI

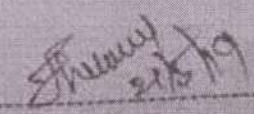
BONAFIDE CERTIFICATE

This is to certify that the project titled, "A COMPREHENSIVE TRUSTWORTHY DATA COLLECTION" is the bonafide record of Project Work (Phase-II) of PRAVEENA G (Reg.No.731617405001) of M.E. (Computer Science and Engineering) during the year 2018-2019.


Mr. M. JAGANATHAN,
Assistant Professor/CSE,


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head / CSE

Submitted for the project work (Phase-II) Viva-Voce examination held on 21/05/2019


Internal Examiner


External Examiner

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report "SMART AGRICULTURE IRRIGATION SYSTEM USING RASPBERRY PI" is the bonafide work of **ILAKKIYA R** (Reg. No.:731617431001) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not from part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other scholar.


SIGNATURE

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

HEAD OF THE DEPARTMENT

Professor & Head

Electrical and Electronics Engineering

K S R Institute for Engineering

and Technology,

Tiruchengode -637 215.


SIGNATURE

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

SUPERVISOR

Associate Professor

Electrical and Electronics Engineering


K S R Institute for Engineering

and Technology,

Tiruchengode -637 215.

Submitted for the Project Phase-II Viva-Voce held on 91.5.19


INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report "CLASSIFICATION OF CELL TYPES IN ACUTE MYELOID LEUKEMIA (AML) OF M4, M5 AND M7 SUBTYPES WITH SUPPORT VECTOR MACHINE CLASSIFIER BY USING RASBERRY PI" is the bonafide work of SARAAL S (Reg. No.:731617431002) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not from part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other scholar.


SIGNATURE

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

HEAD OF THE DEPARTMENT

Professor & Head

Electrical and Electronics Engineering

K S R Institute for Engineering

and Technology,

Tiruchengode -637 215.


SIGNATURE

Dr. T. SRIHARI, M.E., Ph.D.,

SUPERVISOR

Professor

Electrical and Electronics Engineering

K S R Institute for Engineering


and Technology,

Tiruchengode -637 215.

Submitted for the Project Phase-II Viva-Voce held on 21.05.19


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NARAYANKAL, TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE – 637 215

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**INVESTIGATION AND IMPROVING THE IMPACT STRENGTH OF HYBRID COMPOSITES ON TWO WHEELER SIDE BOX**” is the bonafide record of project phase-I **PRASANNA.S ME CAD/CAM** who carried out the work under my supervision during the year 2018-2019.



SIGNATURE

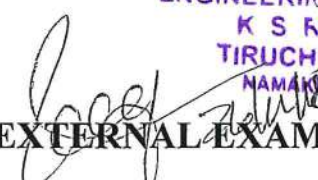
Dr.P.MURUGESAN M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Professor,
Department of Mechanical Engineering,
KSR Institute for Engineering and
Technology,
Tiruchengode – 637 215.



SIGNATURE

Dr.R.MANI,M.E.,Ph.D.,
SUPERVISOR,
Professor,
Department of Mechanical
Engineering,
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Technology,
Tiruchengode – 637 215.

Submitted to the project report and viva – voice examination held
on 26.12.2018


INTERNAL EXAMINER



EXTERNAL EXAMINER



PRINCIPAL.
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600025


BONAFIDE CERTIFICATE


Certified that this project report titled "INVESTIGATION AND IMPROVING THE IMPACT STRENGTH OF HYBRID COMPOSITES ON TWO WHEELER SIDE BOX" is the bonafide work of PRASANNA S (731617402002) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



 SIGNATURE
 Dr. P. MURUGESAN, ME., Ph.D
 HEAD OF THE DEPARTMENT
 Professor
 Dept. of Mechanical Engg.
 K.S.R INSTITUTE ENGINEERING AND
 TECHNOLOGY
 Tiruchengode - 637 215


 SIGNATURE
 Dr. R. MANI, ME., Ph.D
 SUPERVISOR
 Professor
 Dept. of Mechanical Engg.
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 Tiruchengode - 637 215

Submitted for the viva-voce examination held on 22-5-19


 Internal Examiner


 External Examiner


 PRINCIPAL
 K S R INSTITUTE FOR
 ENGINEERING AND TECHNOLOGY,
 K S R KALVINAGAR,
 TIRUCHENGODE-637 215,
 NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

**LOCUST INSPIRED SCHEDULING ALGORITHM TO REDUCE
ENERGY CONSUMPTION WITH DEAD LINE RESOURCE
PROVISIONING**

is the bonafide record of the project work done by

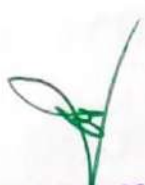
SARANYA S

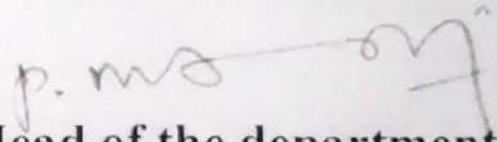
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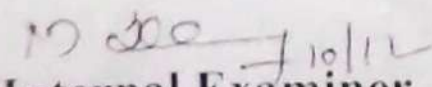
M.E-Software Engineering during the year 2018-19

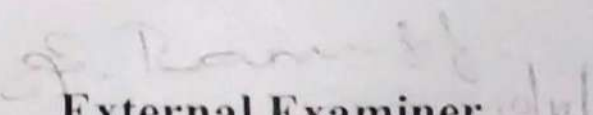

Supervisor


PRINCIPAL,
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K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL DI, TAMIL NADU.


Head of the department

Submitted for the Project Viva-Voce examination held on 10.12.18


Internal Examiner


External Examiner

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

**LOCUST INSPIRED SCHEDULING ALGORITHM TO REDUCE
ENERGY CONSUMPTION WITH DEADLINE RESOURCE
PROVISIONING**


is the bonafide record of the project work done by

SARANYA S (731617421001)

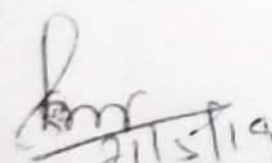
of

M.E –Software Engineering during the year 2018-19

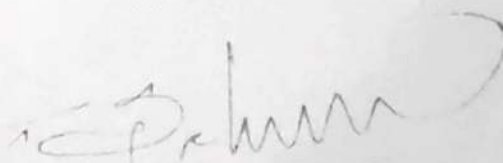

Supervisor


Head of the department

Submitted for the Project Viva-Voce examination held on 21.05.2019


Internal Examiner


PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.


External Examiner