



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 2015 – 2016

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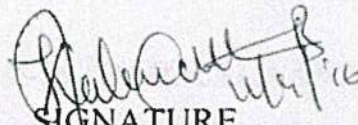
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Certified that this project report titled **"HOME ELECTRICITY LOAD FORECASTING"** is the bonafide work of **S.ANANDHI (731612104001), K.ANITHA (731612104002), R.KEERTHANA (731612104019), J.SRUTHI (731612104052)** who are carried out the project work under my supervision.


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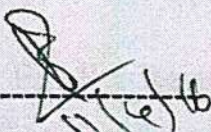
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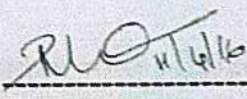
Dr. B. KALAAVATHI
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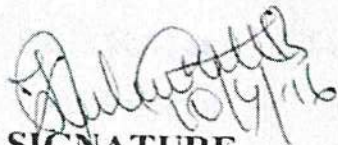

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Certified that this project report titled "IMPLEMENTATION OF MACHINE LEARNING ALGORITHM IN PROGNOSIS OF BREAST CANCER USING R LANGUAGE" is the bona fide work of S.PRASAD(731612104039), S.SABIYA (731612104045), KR.VEERAVIGNESH (731612104060) and S.VIGNESHWARAN (731612104061) who are carried out the project work under my supervision.

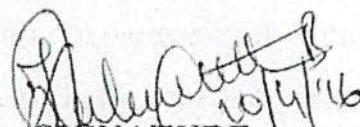


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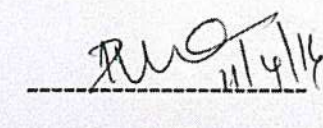
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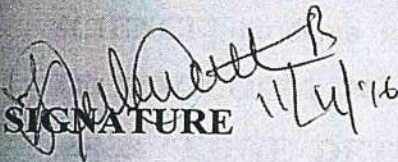


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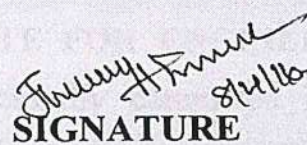
Certified that this project report "**EDGE DETECTION IN DENTAL IMAGE USING CANNY ALGORITHM**" is the bonafide work of **K.DHIVIYA (731612104009), M.SAKTHI VENKATESH (731612104047), A.UMA RAJESWARI (731612401058) and K.YAMUNA (731612104063)** who carried out the project work under my supervision.


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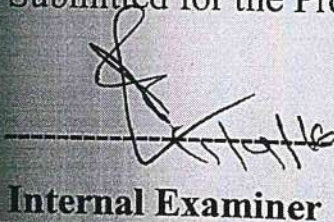

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Mr.M.JAGANATHAN
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ASSISTANT PROFESSOR

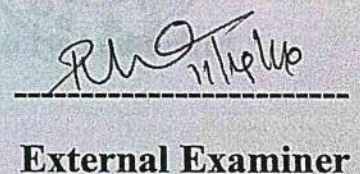
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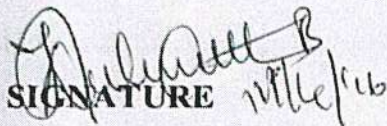

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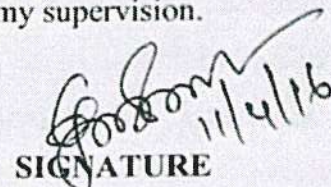
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Certified that this project report “ **STUDENT’S PROGRESSION & ASSAY CIPHERING EXECUTION**” is the bonafide work of “**ARULGNANASUNDARI B (731612104005), REVATHI T (731612104043), ROSHINI S (731612104044), SAI PRAVEEN V (731612104046)**” who carried out the project under my supervision.

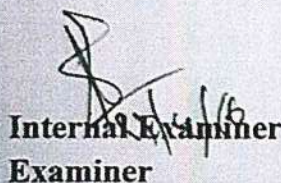

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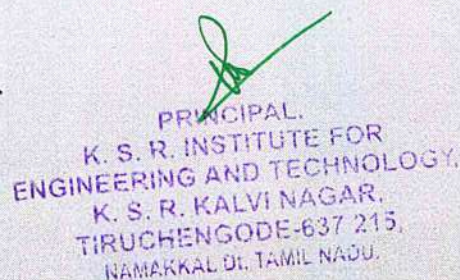
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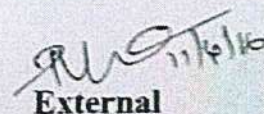

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Dr.G.MALATHY
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Certified that this project report "DETECTION AND REMOVAL OF MALICIOUS NODES IN MANET BY USING INTRUSION PROTOCOL" is the bonafide work of DEVE M, DHIVYA BHARATHI P, RAGHAVI T, KABIL S who carried out the project work under my supervision.



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SUPERVISOR

Mr. P.SUMATHI, M.E,

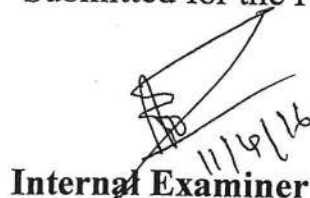
ASSISTANT PROFESSOR

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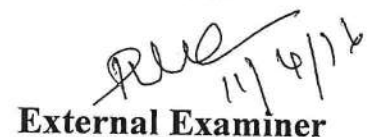
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Certified that this project report "AUTOMATION OF STUDENT RESULT ANALYSIS" is the bonafidework of "DEVIBALA T (731612104702), JAYANTHI M (731612104013), THENMOZHI A (731612104056), UMAPRIYA A (731612104057)" who carried out the project work under my supervision.


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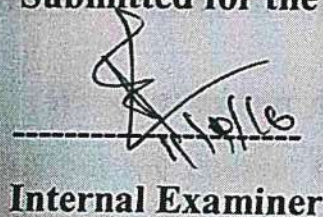
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Assistant Professor,

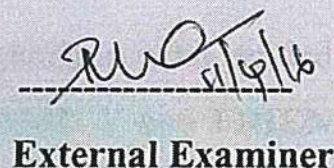
SUPERVISOR

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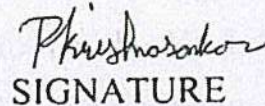
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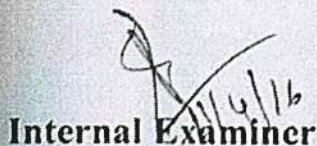
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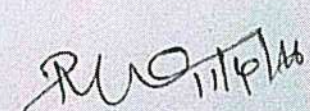
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Certified that this project report "Mobile Phone Based Attendance System" is the bonafide work of "KISHOR KUMAR A (731612104021), MENAKA R (731612104025), MENAKA V (731612104026), NIVETHA B (731612104037)" who carried out the project work under my supervision.


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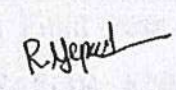
Dr. B. KALAAVATHI

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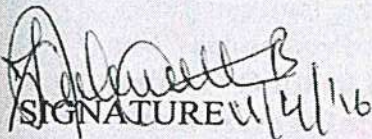

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Certified that this project report titled **"OPTIMAL DATA REDUNDANCY SCHEMES FOR HETEROGENEOUS CLOUD STORAGE INFRASTRUCTURES"** is the bonafide work of **M.ARJUN (731612104004), R.ARAVIND (731612104003), KK.DHARUN PRABHAKARAN (731612104008) and M.MUTHU KUMARAN (731612104032)** who are carried out the project work under my supervision.



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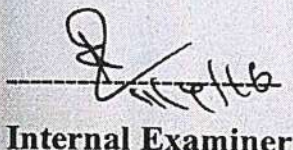
Mr. M.JAWAHAR M.E.,

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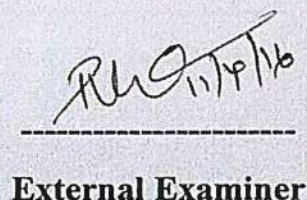
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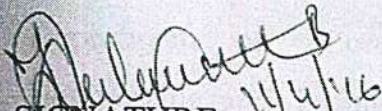


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Dr. B. KALAAVATHI

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Mrs. P.SUMATHI M.E.,

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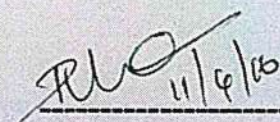
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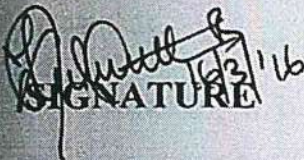

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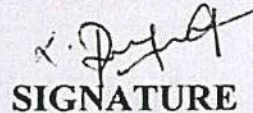
Dr. B. KALAAVATHI

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SUPERVISOR

Mr. Ms.L.PRIYANKA DEVI

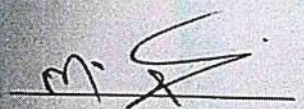
ASSISTANT PROFESSOR

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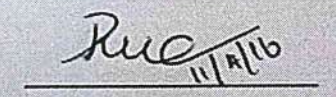
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TIRUCHENGODE - 637 215,
NAMAKKAL DISTRICT, TAMIL NADU.



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BONAFIDE CERTIFICATE

Certified that this project report "AUTOMOBILE TRAFFIC TURN ASIDE" is the bona work of "JAYASRI V, NIRANJANADEVE M, RANJITHA M, SRIDHAR G" who ca out the project work under my supervision.


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Mr. K. SRIRAM KUMAR, M.E,
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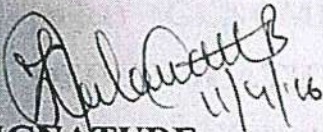

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Certified that this project report "GENOMIC SOFTWARE METHODOLOGY FOR RECORD DEDUPLICATION" is the bonafide work of R.KESAVAN (731612104020), S.KRISHNAKUMAR (731612104022), S.LINGARAJ (731612401024), K.TAMILARASAN (731612104055) who carried out the project work under my supervision.


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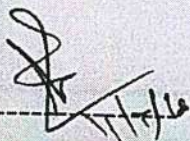
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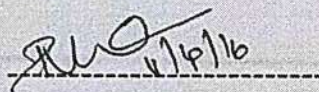
Ms.M.PRIYANKA M.E.,
SUPERVISOR
ASSISTANT PROFESSOR

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Technology,
Tiruchengode – 637 215

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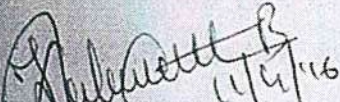

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NAMASKAL DISTRICT, TAMIL NADU.


External Examiner

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Certified that this project report titled "VOICE CALL AND CHAT APPLICATION FOR NORMAL AND DISABILITY PEOPLE" is the bonafide work of SUMATHI P (731612104053), MYVIZHI A (731612104034), KALAIVANI R (731612104017), SHANMUGA PRIYA P (731612104048) have carried out the project work under my supervision.



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Technology,
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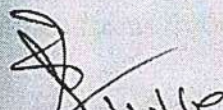


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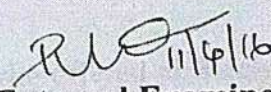
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Internal Examiner



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ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report titled "AN APP FOR COLLEGE BUS ADMINISTRATION SYSTEM" is the bonafide work of "K.MYTHRI (731612104033), A.SWATHI (731612104054)" who carried out the project work under my supervision.


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External Examiner

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EMBEDDED BASED MONITORING AND CONTROLLING OF AN OVERHEAD TRANSMISSION LINE" is the bonafide work of "GOKILA SHRI B., GOKULRAJ M., PRASANTH P., SATHISH R." who carried out their project work under my supervision.


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INTERNAL EXAMINER


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EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "RASPBERRY PI BASED SMART BILLING AND AUTOMATED TROLLEY FOLLOWER IN SHOPPING PLAZA" is the bonafide work of "FAZIL AHAMED S.S., JANANI N., SATISH R., VIMALANATHAN C." 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 "A GRID CONNECTED DUAL VOLTAGE SOURCE INVERTER WITH POWER QUALITY IMPROVEMENT FEATURES" is the bonafide work of "KALAISELVI T., MENAKA M., VIGNESH R., YUVARAJ S.," who carried out their project work under my supervision.


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ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED HOME AUTOMATION USING RASPBERRY PI B+" is the bonafide work of "ARUNPRABHU L, DEEPIKAASRI M, PRIYADHARSHINI R, RAJKUMAR P" who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report "CONTROL AND ANALYSIS OF UNIFIED POWER FLOW CONTROLLER CONNECTED AT TRANSMISSION LINE" is the bonafide work of "KASI M., PRIYADHARSINI M., THIRUKUMARAN V., YUVARAJ V" who carried out their project work under my supervision.


SIGNATURE

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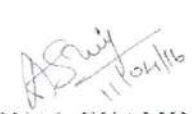
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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PREDICTIVE VOLTAGE CONTROL OF TRANSFORMERLESS DYNAMIC VOLTAGE RESTORER" is the bonafide work of "DEEPAN PRABU J.M., MATHAN G., SUJI R., VASANTHAKUMAR N." who carried out their project work under my supervision.


SIGNATURE

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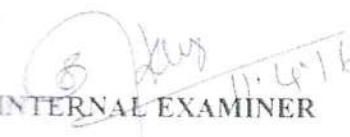

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "RFID BASED TALKING SIGNAGE AND NAVIGATION FOR BLIND PEOPLE" is the bonafide work of "BANUPRIYA C., HARI SELVA RAJAN P., PERIYASAMY C., PRAKASH K." who carried out the project work under my supervision.


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NAMAKKAL Dt, TAMIL NADU.**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATED HOUSEHOLD MULTISOURCE INVERTER USING ARDUINO" is the bonafide work of "MAKESH KANNAN P., SIVAKUMAR S., DEEPAK R.," who carried out their project work under my supervision.


SIGNATURE

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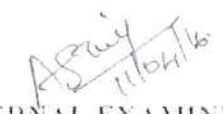
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EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "REAL TIME SENSORLESS TEMPERATURE MONITORING OF INDUCTION MOTOR" is the bonafide work of "ASHOK KUMAR M., NAVEENKUMAR S., YAJANRAJ P., PAVITHRA V.." 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 "DESIGN AND IMPLEMENTATION OF LOW COST DISTRIBUTION TRANSFORMER MONITORING SYSTEM FOR A REMOTE ELECTRIC POWER GRID" is the bonafide work of "ARUN PRASANTH R., HEMA PRIYA C., MUTHURAJA M., RAMYA V.," who carried out their project work under my supervision.

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MODELING OF SINUSOIDAL PWM CONTROLLED FOUR SWITCH THREE PHASE SEPIC CONVERTER" is the bonafide work of "JEESRIYA M., JEYAKANNAN R., SRINIVASAN M., SUGANYA D." who carried out their project work under my supervision.

SIGNATURE

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BONAFIDE CERTIFICATE

Certified that this project report "PUBLIC ANNOUNCEMENT SYSTEM USING MOBILE MODULE" is the bonafide work of "MONISHAP., VASANTHRAJ S.P., KAMALESH T., MURUGAN G.," who carried out their project work under my supervision.

SIGNATURE

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INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

Certified that this project report "PREDICTIVE ANALYSIS OF IOT BASED PERSONAL HEALTH CARE SYSYTEM " is the bonafide work of "ELAKKIYA S., INBARATHI P.I, SANTHOSH KUMAR G., VISHNU R.," who carried out their project work under my supervision.

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BONAFIDE CERTIFICATE

Certified that this project report "TRANSFORMERLESS SINGLE PHASE ACTIVE POWER FILTER FOR HARMONIC REDUCTION" is the bonafide work of "DIVYA R., KARTHIK S., PRABHU C., PRASANTH N.," who carried out their project work under my supervision.


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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DIODE-FREE T-TYPE THREE-LEVEL NEUTRAL-POINT-CLAMPED INVERTER FOR LOW-VOLTAGE RENEWABLE ENERGY SYSTEM" is the bonafide work of "BHUVANESHWARAN T., NAVEENSIVA S., RAJKAMAL K., SHANKAR K." 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 "MULTI PHASE BOOST CONVERTER FOR SOLAR BATTERY CHARGING SYSTEM" is the bonafide work of "DEEPAK RAJA E., KEERTHANA K., SHEIK IMRAN Y., VANITHA N.," who carried out their project work under my supervision.


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INTERNAL EXAMINER


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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AN ADJUSTABLE SPEED PFC CUK CONVERTER FED BLDC MOTOR DRIVE FOR LOW POWER APPLICATIONS" is the bonafide work of "P.KALAIYARASAN., K.PRAKASH., S.SURESHKUMAR., S.VETRISILVAN.," who carried out their project work under my supervision.


SIGNATURE

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INTERNAL EXAMINER


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NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

Certified that this project report "SOLAR TRACKER ROBOT USING RASPBERRY PI" is the bonafide work of "V.BALASARAVANAN., M.POORNIMA., K.V.THAMARAI KANNAN." 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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BONAFIDE CERTIFICATE

Certified that this project report "FINGERVEIN RECOGNITION USING ARDUINO UNO CONTROLLER" is the bonafide work of "ABINAYA SANGAMITHRA T A (731612106003), ANUPRIYA C (731612106008) and ASHA S (731612106010)" who carried out the project work under my supervision.


SIGNATURE

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Mr.R.TAMILMANI,M.E.,

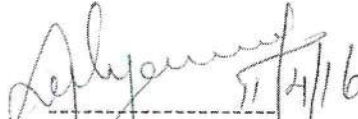
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Submitted for the project viva voice Examination held on..11..04...2016


11/4/16

External Examiner


11/4/16

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BONAFIDE CERTIFICATE

Certified that this project report "MONEY DEAL APPLICATION" is the bonafide work of "GOMATHI D (731612106024), KEERTHIKA P (731612106045), KRISHNAMOORTHY C (731612106047)" who carried out the project work under my supervision.


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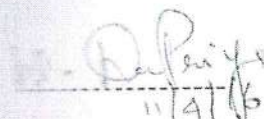
Department of ECE,

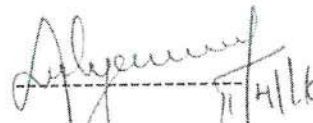
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Submitted for the project viva voice Examination held on 11.04.2016


11/4/16
External Examiner


11/4/16
External Examiner


PRINCIPAL,
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NAMAKKAL Dt, TAMIL NADU,

ANNA UNIVERSITY :: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATIC DETECTION AND MEASUREMENT OF CISTERNA MAGNA IN FETAL BRAIN" is the bonafide work of "HEMALATHA T (731612106031), MANIMEKALAI K (731612106052), PONMANI P (731612106308)" who carried out the project work under my supervision.



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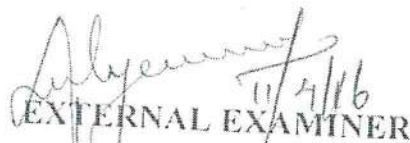


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Certified that this project report " HUMAN DETECTING SYSTEM USED FOR RESCUE AND DEFENCE" is the bonafide work of " INDHUMATHI M (731612106032), KANNIYAMMAL M (731612106039), KAVIPRIYA S (731612106042)" who carried out the project work under my supervision.


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Submitted for project work viva – voce held on: 11.04.2016


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APRIL 2016

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Certified that this project report "PLANT DISEASE CLASSIFICATION USING SVM CLASSIFIER" is bonafide work of "S.AARTHI(731612106002), LABIRAMI(731612106005), M.HARIHARASUDHAN(731612106029)" who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report "FIRE DETECTION AND FIRE SIGNATURE USING COLOR MODELS FOR SECURITY" is the bonafide work of
-BHARATHI S (Reg.no:731612106013), ELANGO N (Reg.no:731612106017),
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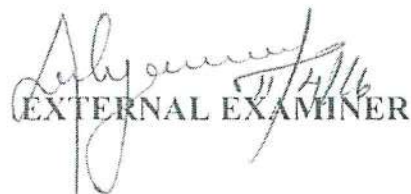
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BONAFIDE CERTIFICATE

Certified that this project report "SMART HOME USING IoT" is the bonafide work of "M.ANITHA (731612106007) and V.KALAIVANI (731612106037)" who carried out the project work under my supervision.


SIGNATURE 7/4/16

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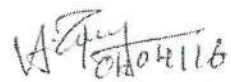
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Submitted for project report the University Viva-Voce Examination held

on 7/04/16.....


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ANNA UNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATIC VEHICLE ACCIDENT DETECTION AND MESSAGING SYSTEM USING GSM AND GPS MODEM" is the bonafide work of " DHARANI S (731612106015), GAYATHRI S (731612106020), JANANI S (731612106033) " who carried out the project work under my supervision.

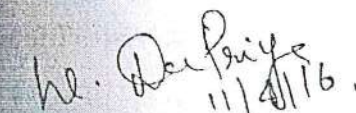

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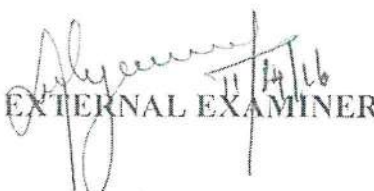
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Certified that this project report "GSM BASED ELECTRICTY BILLING VIA SMS" is the bonafide work of "BATHRUTHEEN H (731612106012), DEVARAJ P (731612106014), GOWTHAM S (731612106023) LOHA PRIYA E (731612106050)" who carried out the project work under my supervision.


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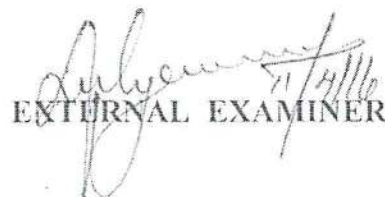
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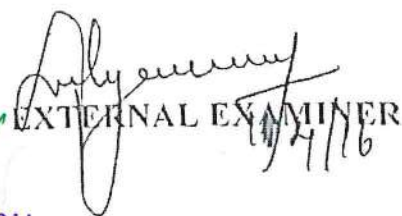

Mr.R.NANDAKUMAR M.E (Ph.D).,
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Certified that this project report "HEAD MOTION CONTROLLED WHEEL CHAIR USING MEMS" is the bonafide work of "GUNA V, HARI VENKATESH C, and MADHAN KUMAR V P" who carried out the project work under my supervision.


SIGNATURE

Prof.R.NANDAKUMAR, M.E., (Ph.D)

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Submitted for the Project work Viva- Voce held on 11.04.16


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Certified that this project report "DEEP REPRESENTATION FOR IRIS AND FACE SPOOFING DETECTION" is the bonafide work of "GAYATHRI D (Reg.no:731612106019), LOGESHWARAN P (Reg.no:731612106049), VISHNUVARTHAN R (Reg.no:731612106313)" who carried out the project work under my supervision.



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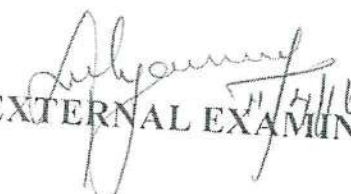
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Certified that this project report "ROI BASED MEDICAL IMAGE COMPRESSION USING ANAMORPIC STRETCH TRANSFORM AND SPIHT" is the bonafide work of "BALAMURUGAN R, ANBARASAN M, and ANBAZHAGAN T" who carried out the project work under my supervision.

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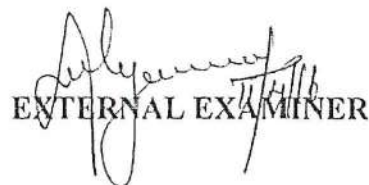
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Certified that this project report "EFFICIENT IMAGE RETRIVAL USING MODIFYING SHAPE DESCRIPTOR" is the bonafide work of "KARTHICK G (Reg.no:731612106040), KAVIN KUMAR R (Reg.no:731612106041), KAVIYARASAN J (Reg.no:731612106043)" who carried out the project work under my supervision.

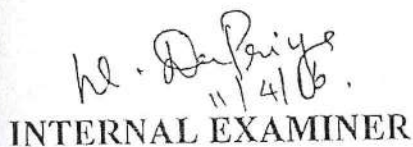


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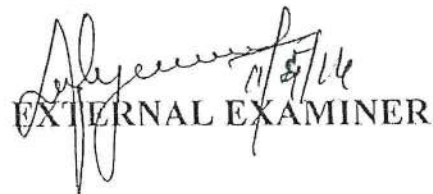


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SIGNATURE 7/4/16

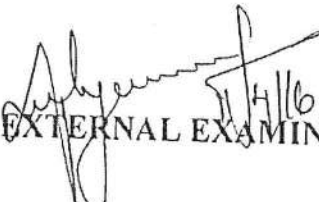
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Certified that this project report "UNDERWATER IMAGE ENHANCEMENT USING DWT AND CLAHE ALGORITHM" is the bonafide work of NAVEEN M (731612106065), PANNEER SELVAM A (731612106067), PARAMASIVAN N (731612106068) who carried out the project work under my supervision.



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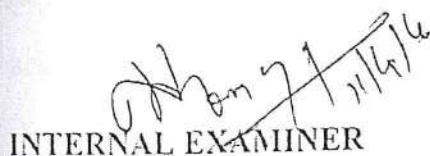
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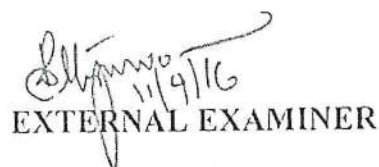
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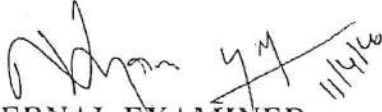

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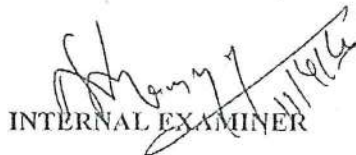

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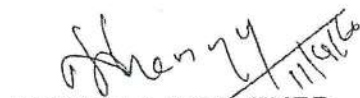


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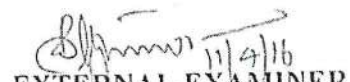
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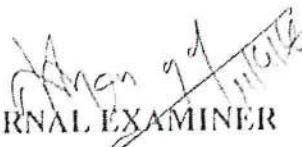


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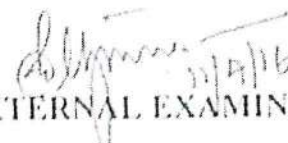
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Certified that this project report "AN EFFICIENT DISTRIBUTED TRUST MODEL FOR WIRELESS SENSOR NETWORKS" is the bonafide work of "NANDHINI S(731612106064),SATHIYAPRIYA S (731612106093), SRUTHI S(731612106097)" who carried out the project work under my supervision.



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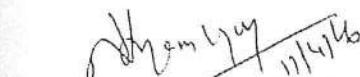


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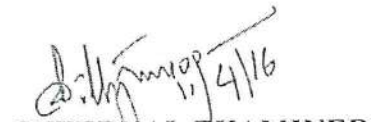
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SENSOR NETWORKS" is the bonafide work of "SATHANA T
(731612106092), SHANMATHI B (731612106094), SOWMIYA V
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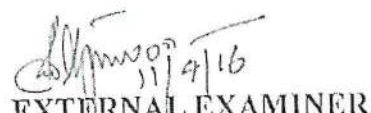
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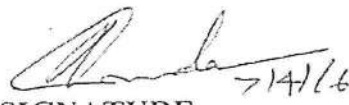
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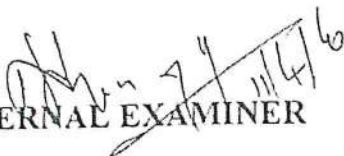


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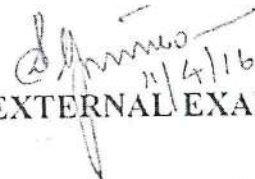


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Mrs.S.BOOPATHY M.E.,
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Prof. R. NANDAKUMAR M.E., (Ph.D.)
HEAD OF THE DEPARTMENT,

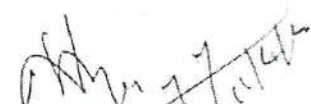
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HEAD OF THE DEPARTMENT,
PROFESSOR,

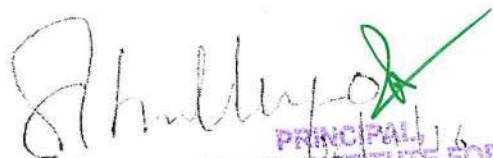
DEPARTMENT OF MECHANICAL
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Submitted for the Project report Viva-Voce Examination held on 12/4/16


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 "SIMULATION STUDY AND PERFORMANCE ENHANCEMENT OF VARIANT WICK ROD IN MOSQUITO REPELLENT LIQUID VAPORIZER" is the bonafide work of "A.AJEETHKUMAR, L.ARJUN, J.BINOSH, L.MADHU PRASANTH" who carried out the project work under my supervision.


SIGNATURE

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

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


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Submitted for the project viva-voce examination held on 11/11/16


INTERNAL


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PRINCIPAL
K S R INSTITUTE FOR
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NAMAKKAL DL, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL METHOD ON SPRING BACK PREICTION FOR SHEETMETAL V-BENDING" is the bonafide work of "M.PRAKASAM, E.SANTHOSHKUMAR, K.SARAVANAN, M.SATHISHKUMAR" Who carried out the project work under my supervision.


SIGNATURE

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

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Mr.R.SIBY, M.E.,

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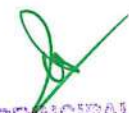
Technology,

Tiruchengode – 637 215.

Submitted for the University Project Viva Voice Examination held on 11.04.2016


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

Certified that this project report "DESIGN AND FABRICATION OF OXYHYDROGEN GENERATORS AND CFD ANALYSIS OF HYDROGEN SUPPLEMENT IN CI ENGINE" is the bonafide work of "KARTHIS (731612114028), KARTHIKUMAR.P (731612114033), MOHAMED SUHAIB HUSSAIN H (731612114042), NANDHA KUMAR.M (731612114046)" who carried out the project work under my supervision.


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Ms.G.ANITHA ,M.E.,

SUPERVISOR,

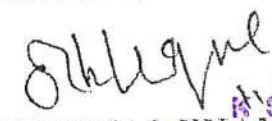
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INTERNAL EXAMINER


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ANNAUNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this comprehension report "EXPERIMENTAL STUDY ON AN ENHANCED PERFORMANCE OF SOLAR WATER HEATER" is the bonafide work of "H.SANJAYKUMARYADAV, M.SANTHOSH, S.VENGATESH, P.VIGNESWARAN" who carried out the comprehension work under my supervision.


SIGNATURE

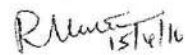
Dr.P.MURUGESAN,M.E.,Ph.D.,

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Mr.R.VASANTHAKUMAR,M.E.,(Ph.D)

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Submitted for the University Comprehension Viva Voice Examination held on.....15.4.16


INTERNAL EXAMINER

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TIRUCHENGODE - 637 215,
NAMAKKAL DISTRICT, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “HEAT TRANSFER ENHANCEMENT TECHNIQUES IN DOUBLE PIPE HEAT EXCHANGER WITH INSERT OF V-CUT & POROUS TWISTED TAPE” is the bonafide work of **KARTHICK RAJA, KRISHNAKUMAR.P, NIJANTHAN. N & ARUN. R** who carried out the project work under my supervision.


SIGNATURE

Dr.P.MURUGESAN, M.E., Ph.D.,
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Mr. R.SURENDRAN, M.E.,
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Submitted for the project report and viva - voce examination held on 11.4.2016


INTERNAL EXAMINER


EXTERNAL EXAMINER

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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

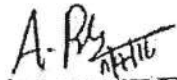
Certified that this project report "MODELLING AND ANALYSIS OF SINGLE PLATE CLUTCH" is the bonafidework of " T. CHANDIRASUDAN, V. DHANAPAL, K. MATHAN KUMAR " who carried out the project work under my supervision.


SIGNATURE

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

HEAD OF THE DEPARTMENT

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K.S.R Institute for Engineering and
and Technology.
Tiruchengode -637 215.



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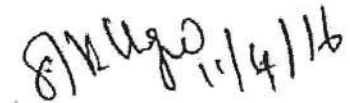
A.PREMKUMAR,M.E.,

SUPERVISOR

Assistant professor
Dept.of MechanicalEngineering
K.S.R Institute for Engineering
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Tiruchengode -637 215.

Smbmitted for the project report vivo-voce Examination held on.11.04.2016...


INTERNAL EXAMINAR


EXTERNAL EXAMINAR


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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 "DESIGN MODIFICATION AND MATERIAL OPTIMATION FOR TRUCK CHASSIS" is the bonafide work of "AJITHKUMAR.A (731612114301), BHARATH KUMAR.S (731612114306), KARTHICK.T (731612114311), MOHAMED UNESH .R (731612114316)" who carried out the project work under my supervision.


SIGNATURE,

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SIGNATURE,

Mr.M.SAMBATH KUMAR ,M.E.,

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Assistant Professor,

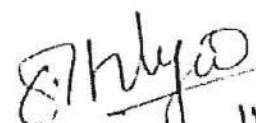
DEPARTMENT OF MECHANICAL
ENGINEERING,

K.S.R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,

TIRUCHENGODE-637215.

Submitted for the Project report Viva-Voce Examination held on 11/04/2016


INTERNAL EXAMINER


11/4/16
EXTERNAL EXAMINER

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

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “ANALYSIS AND MATERIAL OPTIMIZATION OF TWO WHEELER ALLOY WHEEL” is the bonafide work of **DHANABAL.M, JAYPRAKASH.M & MOHAMMED SIRAJUDEEN.K. S. A** who carried out the project work under my supervision.


SIGNATURE

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SIGNATURE

Mr. M.PRABHU, M.E.,
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Submitted for the project report and viva - voce examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER


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

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**HEAT TRANSFER ANALYSIS OF VARIANT FINS FITTED IN THE CIRCULAR PIPE**” is the bonafide work of **PRAKASH. K, VASANTHAN.V & VIVEK. P** who carried out the project work under my supervision.


SIGNATURE

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

Mr. K. VIJAY, M.E.,
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Submitted for the project report and viva - voce examination held on 11.4.16


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 report entitled "DESIGN AND ANALYSIS OF METHANE POWERED ROCKET ENGINE" is the bonafide record work done by "S.P.GOKULRAJ, R.CHANDRASEKARAN, R.NAVEEN PRASANTH and D.MANOJ KUMAR" who carried out the project under my supervision.


SIGNATURE,

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

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ENGINEERING,

K.S.R INSTITUTE FOR

ENGINEERING AND TECHNOLOGY,

TIRUCHENGODE-637215


SIGNATURE,

Mr.M.AMARNATH M.E.,

SUPERVISOR,

DEPARTMENT OF MECHANICAL
ENGINEERING,

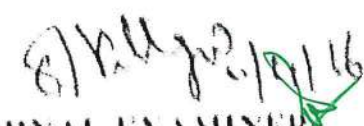
K.S.R INSTITUTE FOR

ENGINEERING AND TECHNOLOGY,

TIRUCHENGODE-637215

Submitted for the 8th semester Viva-Voce Examination held on 11.4.2016


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

Certified that this project report “**FAILURE MODE EFFECTIVE ANALYSIS AND FABRICATION OF FIXTURE FOR MULTI STAGE CENTRIFUGAL PUMP**” is the bonafide work of **VASANTH. M, UDHAYAKUMAR. K, THARUN. P & RATHISH. S** who carried out the project work under my supervision.


SIGNATURE

Dr.P. MURUGESAN, M.E., Ph.D.,
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Mr. M.JACKSON PONRAJ,M.E.,
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Submitted for the project report and viva - voce examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER


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

Certified that this project report “**FABRICATION AND TESTING OF COMBINATION OF NATURAL FIBERS WITH GLASS FIBER**” is the bonafide work of **SIVAKUMAR. K, SRIDHARAN. P, RAGUPATHI. S & RAGUVARMA. A** who carried out the project work under my supervision.


SIGNATURE

Dr.P. MURUGESAN, M.E., Ph.D.,
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Dr. P. KULANDIVELU, M.E., Ph.D.,
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Submitted for the project report and viva - voce examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER


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

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FABRICATION OF PISTON BY USING ALUMINIUM FLYASH ALUMINA COMPOSITE**” is the bonafide work of **PRAVEENKUMAR. K, VIGNESH. V, SABARI.P & SARAVANAN. J** who carried out the project work under my supervision.


SIGNATURE

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

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Mr. P. MANIKANDAN, M.E.,

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Submitted for the project report and viva - voce examination held on 11.4.16


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

Certified that this project report “EFFECT OF ALUMINA FLYASH COMPOSITE IN AUTOMOBILE PERSPECTIVE” is the bonafide work of **PRESILLA. E, PRAVEENA.T & NAVANEETHAN.J** 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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NAMAKKAL DL, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**VARIABLE VOLUME ENGINE WITH COMBINED ADVANTAGES OF SUPERCHARGER**” is the bonafide work of **PRAVEENKUMAR. J, RAJPRADEEP. C. N, PREMKUMAR. J & SANTHOSHKUMAR. A** 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 **"DESIGN AND FABRICATION OF DIAMOND DRILLING MACHINE (ALONG 360 DEGREE)"** is the bonafide work of **"RANJITHKUMAR.S (731612114068), SIVAKUMAR.R (731612114086), SURESH.P (731612114089), VINOTHKUMAR.N (731612114102)"** who carried out the project work under my supervision.


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TIRUCHENGODE-637215.

Submitted for the Project report Viva-Voce Examination held on 11.04.2016


INTERNAL EXAMINER


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

ANNA UNIVERSITY: CHENNAI 600025

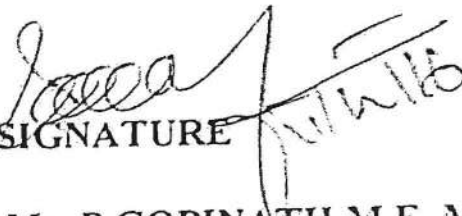
BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND MANUFACTURING OF HEAVY VEHICLE HEAD-LIGHT FRAME USING BANANA FIBRE COMPOSITE MATERIAL" is the bonafide work of "ARUN PANDIAN S, ASHOK M, ASWIN A" who carried out the project work under my supervision.


SIGNATURE

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Professor,
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Submitted for the Project report Viva-Voce Examination held on 11.04.2016


INTERNAL EXAMINER


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

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "TENSILE BEHAVIOUR OF FRICTION WELDED JOINTS OF SIMILAR AND DISSIMILAR ALUMINIUM ALLOYS" is the bonafide work of "PRASATH M (731611214057), VIGNESHWARAN M (731612114100), PRABU S (731612114322) and SATHISKUMAR R (731612114331)" who carried out the project work under my supervision.


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Submitted for the Project report Viva-Voce Examination held on 11.4.2016


INTERNAL EXAMINER


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K S R INSTITUTE FOR
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K S R KALVI NAGAR,
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NAMAKKAL DI, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "EVALUATION AND ANALYSING THE MECHANICAL PROPERTIES OF NATURAL FIBER COMPOSITE PLATES" is the bonafide work of "C.RAJASEKAR (731612114065), K.SATHISH (731612114080), S.SATHISH (731612114081), D.THAMILARASU (731612114091)" who carried out the project work under my supervision.



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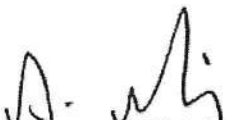
Dr. P.MURUGESAN, M.E., Ph.D
HEAD OF THE DEPARTMENT,
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Engineering,
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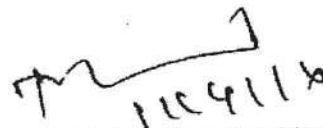
SIGNATURE

Mr.M.ASHOKKUMAR, M.E.,
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Technology,
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Submitted for the Project report Viva-Voce Examination held on 11-04-2016



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PRINCIPAL,
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ENGINEERING AND TECHNOLOGY,
K S R KALVA NAGAR,
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NAMAKKAL Dt, TAMIL NADU.

ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FABRICATION OF FULLY AUTOMATIC BOARD CLEANER WITH DUST REMOVAL ARRANGEMENT**” is the bonafide work of **VIGNESH. B, VIGNESH. P, VENKATESHAN. M & SAKTHIVEL. R** who carried out the project work under my supervision.


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Submitted for the project report and viva - voce examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER


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ANNA UNIVERSITY: CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**FABRICATION OF MODIFIED GASOLINE, BIOGAS DUEL FUELED S.I ENGINE**” is the bonafide work of **GOWTHAM. G, PARTHASARATHI. P, PRABHU. A & NAVALADI.S** 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 "DESIGN AND ANALYSIS OF AUTOMOTIVE SILENCER FOR EFFECTIVE CORROSION CONTROL" is the bonafide work of "DINESH.R (731612114017), GANESH KUMAR.R (731612114018), GOPINATH.M(731612114020), JAGADEESH R.R (731612114026)" 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 “STRESS ANALYSIS OF MIXED FLOW IMPELLER” is the bonafide work of PRANESH. M, C.K.YASVANTHKUMAR, S.YOKESHKUMAR & VISHNU. S who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report “**FABRICATION AND ANALYSIS OF MONO CRYSTALLINE SILICON SOLAR PANEL**” is the bonafide work of **KARTHIKEYAN.K, KAVIN.V, MANOJ.U, NAVANEETHA KRISHNAN.S** who carried out the project work under my supervision.


SIGNATURE

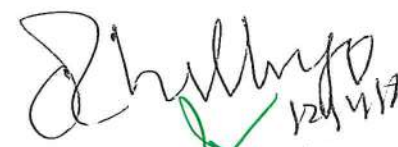
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BONAFIDE CERTIFICATE

Certified that this project report “CFX ANALYSIS OF CONVECTIVE HEAT TRANSFER COEFFICIENT OF NANO FLUIDS” is the bonafide work of **GOWRISANKAR.G, GOWTHAM.P, KARTHIKEYAN.K, KARUPPUSAMY.S** who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report "Failure Analysis of Gas Turbine Blade" is the bonafide work of "AZARUDEEN M, GUNASEKARAN S, MOHINDAR M, NIRMAL S "who carried out the project work under my supervision.



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BONAFIDE CERTIFICATE

Certified that this project report "EFFECT OF ALKALINE EARTH METALS AND ZIRCONIUM OXIDE AS A CATALYST TO REDUCE OXIDES OF NITROGEN" is the bonafide work of R.SELVARAJ, S.ARAVINDKUMAR, A.SUBHAKER, PRADEEP.P.N who carried out the project work under my supervision.


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BONAFIDE CERTIFICATE

Certified that this project report “**EXPERIMENTAL INVESTIGATION ON A MIXED BIO DIESEL USING DIESEL ENGINE**” is the bonafide work of **GOVINDASAMY.M, MARIYAPPAN.M, MUTHUSAMY.T, NAVANEETHA KRISHNAN.G** 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 PERFORMANCE ANALYSIS OF HANDY HARVESTER**” is the bonafide work of **ABUTHAKER.A, ARUN.S, KARTHIKEYAN.U, MURUGAN.A** who carried out the project work under my supervision.



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ANNAUNIVERSITY:CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report **"EFFECT OF COPPER AND MAGNESIUM ON MECHANICAL PROPERTIES OF LM6 ALUMINIUM"** is the bonafide work of **ANANTHARAJ.C, ARULARASANV.K, BOOPATHI.A, GOWRISANKAR.A** who carried out the project work under my supervision.


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INTERNAL EXAMINER


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NAMAKKAL DIST, TAMIL NADU.

BONAFIDE CERTIFICATE

Certified that this project report “**FIXTURE DESIGNING FOR A JAW PLATE**” is the bonafide work of **DINESH.A**, who carried out the project work under my supervision.


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INTERNAL EXAMINER


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TIRUCHENGODE - 637 215,
NAMAKKAL DL, TAMIL NADU.

ANNAUNIVERSITY:CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**INVESTIGATION & PERFORMANCE EVALUATION OF CI ENGINE USING THE BLENDS OF PLASTIC OIL & DIESEL**” is the bonafide work of **SIVARAMAN.P, PRAVEENKUMAR.P, SHYAMSUNDAR.J, RAVIKUMAR.S** who carried out the project work under my supervision.



SIGNATURE

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Submitted for the Project report Viva-Voce Examination held on 12.4.16


INTERNAL EXAMINER


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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

ANNAUNIVERSITY:CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**FABRICATION OF REULEAUX TRIANGLE TOOL FOR MINIMIZATION OF FILLET RADIUS IN SQUARE HOLE DRILLING OPERATION**” is the bonafide work of **SAKTHIVEL.S.R, SAMPATHKUMAR.S, RAJKUMAR.M, SATHISH KUMAR.S** who carried out the project work under my supervision.


SIGNATURE

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BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FABRICATION OF PNEUMATIC MULTI PURPOSE MACHINE & MACHINE VICE**” is the bonafide work of **SIVASHANKAR.P, PUSHPARAJ.N, SARAVANAN.K, SATHYAMOORTHY.R** 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 "NUMERICAL ANALYSIS OF DOUBLE PIPE HEAT EXCHANGER WITH KNURLED & POROUS CUT TWISTED TAPE" is the bonafide work of SATHISH KUMAR.R, SIVAKUMAR.M, SANTHOSHKUMAR.V who carried out the project work under my supervision.

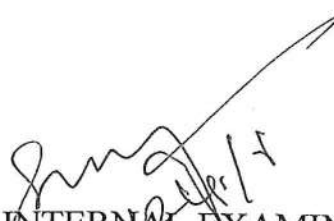

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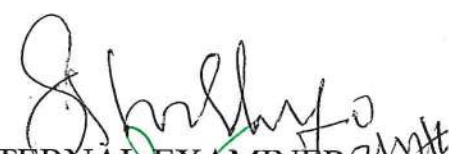
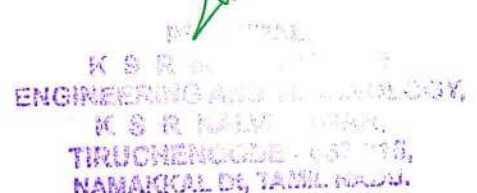
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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF THREE IN ONE AIR CONDITIONER**” is the bonafide record of design and fabrication project work of **ABUTHAGIR A, AMEEN SHERIF S, GOPALAN R, GOPALAN R** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

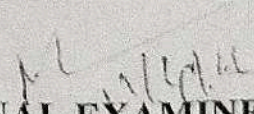
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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**FABRICATION AND TESTING OF RIDER GOURD COMPOSIT MATERIAL**” is the bonafide record of design and fabrication project work of **AJEETHKUMAR R, ARUN RAJ V, BOOPESH R K, DEEPAK S** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF AUTOMATIC SPEED SEPARATOR USING SLIDER CRANK MECHANISM**” is the bonafide record of design and fabrication project work of **AJITHKUMAR A, ARAVINTH G, AZARUDEEN R, GOKULA KRISHNAN R** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF EIGHT WHEELED ROCTED BOGIE**” is the bonafide record of design and fabrication project work of **AJITHRAJA S, DHARUN KUMAR G S, HAREESH S, ANANDARAJ S** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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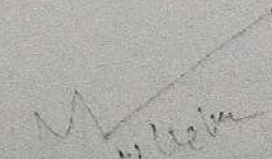
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TIRUCHENGODE - 637 215,
NAMAKKAL DT, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION PROJECT OF STACK ELEVATOR**” is the bonafide record of design and fabrication project work of **ANANDHA PRAKASH M, ARAVIND S , CARMELRAJ S, HARISHPANDIAN P** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, "FABRICATION AND INVESTIGATION ON MECHANICAL BEHAVIOUR OF BANANA AND SISAL FIBER REINFORCED WITH EPOXY COMPOSITE" is the bonafide record of design and fabrication project work of **ANANTHAKUMAR J, CHEARMA RAJA MAHEANDIRAN T M, SARAVANAN R** of **MECHANICAL ENGINEERING** during the year 2015-2016.

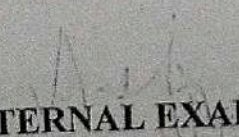

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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF BANANA LEAF CUTTING MACHINE**” is the bonafide record of design and fabrication project work of **ANANTH RAJ S, DINESH H, GOKUL KUMAR S, JAFIL KISHORE R** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF BIOGAS DIGESTER** ” is the bonafide record of design and fabrication project work of **ARIVAZHAKAN R, BALAMURGAN B, BALAMURGAN E, DAARWIN S** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF DOUBLE SIDE PUNCHING MACHINE USING SCOTCH YOKE MECHANISM**” is the bonafide record of design and fabrication project work of **ARJUN C V, DENISHRAGAV A, DHILIPKUMAR R, GOKUL A** of **MECHANICAL ENGINEERING** during the year 2015-2016.

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF ROPE AND TROLLEY**” is the bonafide record of design and fabrication project work of **ARUNKUMAR M , AYYAPPAN G , DHANUSH KUMAR K, GOKULNATH M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF COMPRESSED AIR OPERATED VEHICLE**” is the bonafide record of design and fabrication project work of **ARUN KUMAR M, DEEPAK KUMAR M, GOWTHAM S, GUNASEELAN K** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

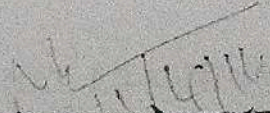
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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF SOLAR CAR**” is the bonafide record of design and fabrication project work of **BASKAR S, GOKUL D, GOPINATH V, KAVIN M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE


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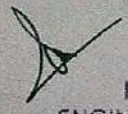

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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF AUTOMATIC MECHANICAL CUTTER BY USING CRANK AND SOLOTTED LIVER MECHANISM** ” is the bonafide record of design and fabrication project work of **CHANDRAKUMAR T, CHANDRU R, DHARANIKUMAR M, GOBINATH P** of **MECHANICAL ENGINEERING** during the year 2015-2016.

11/4/16
SIGNATURE

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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF REVERSE GEAR MECHANISM IN TWO WHEELER**” is the bonafide record of design and fabrication project work of **DINESH BABU M, DINESHKUMAR T, ENIYAVELAN K, GOBALAKRISHNAN A** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF SOLAR E CYCLE** ” is the bonafide record of design and fabrication project work of **GOKUL V, HARIHARAN S, ABUBAKKAR SIDDICQ L, ARUN KUMAR A N** of **MECHANICAL ENGINEERING** during the year 2015-2016.

P. Murugesan
11/4/16
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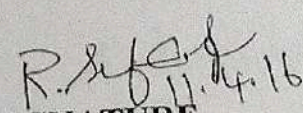
ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF SOLAR SEED DRIER**” is the bonafide record of design and fabrication project work of **ANAND R, GOKULRAJ V, GOPINATH T, GOWTHAM M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF PNEUMATIC CONVEYOR**” is the bonafide record of design and fabrication project work of **JAGADEESHAN M, JANARTHANAN K, JAYAKUMAR J, JAYANTHAN J** of **MECHANICAL ENGINEERING** during the year 2015-2016.

[Signature]
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K S R KALVI NAGAR,
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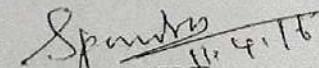
ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DIGITAL FUEL VALVE CONTROL DEPENDS UPON ON/OFF KEY**” is the bonafide record of design and fabrication project work of **KAMAL RAJ S, GOWTHAM R, KARTHICK G, KAVIN R** of **MECHANICAL ENGINEERING** during the year 2015-2016.



SIGNATURE

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INTERNAL EXAMINER



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NAMAKKAL DT, TAMIL NADU.

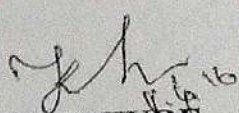
ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF SOLAR WATER HEATER WITH TWISTED TAPE INSERTS**” is the bonafide record of design and fabrication project work of **MADHAN D, KANNAN K, MANICKAM V, MUGUNTH R** of **MECHANICAL ENGINEERING** during the year 2015-2016.

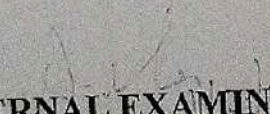

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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF HEAD LIGHT FOCUSING DOOM**” is the bonafide record of design and fabrication project work of **KARTHIKEYAN I, KARTHIKEYAN S, KARTHIKEYAN S, MOHANRAJ T** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION OF PORTABLE GAS WELDING”** is the bonafide record of design and fabrication project work of **KESAVAN K, PRATHEEP E PRAVEENKUMAR P, RAGUPATHY M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION OF AUTOMATIC SIDESTAND LIFTING MECHANISM”** is the bonafide record of design and fabrication project work of **NAVEENKUMAR A, NAVEEN KUMAR R , KARTHICK M, PARTHIBAN P** of **MECHANICAL ENGINEERING** during the year **2015-2016**.


SIGNATURE

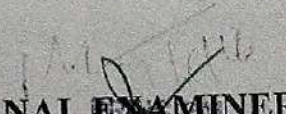
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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF OBJECT LIFTING CAM MECHANISM**” is the bonafide record of design and fabrication project work of **NARESH BABU C, MAHARAJOTHIRAJA T, PRABHU T, NISHANTH K B** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

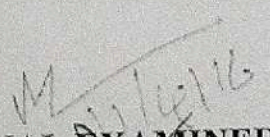
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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “FABRICATION OF ZIRCONIUM OXIDE CATALYTIC CONVERTER TO CONTROL EMISSION ON DI DIESEL” is the bonafide record of design and fabrication project work of MOHANRAJ G, NANDA GANESH P, NANDHAGOPAL M, KASIRAJA S of MECHANICAL ENGINEERING during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF PORTABLE GAS WELDING**” is the bonafide record of design and fabrication project work of **LOKKESH RAJA P B, KRISHNAKUMAR S, MANIKANDAN B, PRASANTH M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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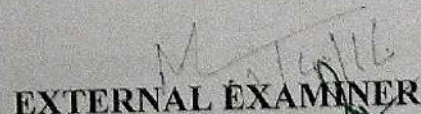
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NAMAKKAL DISTRICT, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "DESIGN AND FABRICATION OF STEERING CONTROLLED HEADLINES" is the bonafide record of design and fabrication project work of MUTHU KUMAR N, NANTHA KUMAR T, NAVANEETHAN M, KARTHICKRAJA R of MECHANICAL ENGINEERING during the year 2015-2016.

[Signature]
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[Signature]
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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**FABRICATION OF TUBE IN TUBE HEAT EXCHANGER**” is the bonafide record of design and fabrication project work of **RAGHUL P, MOHAMED YASAR M, KALAIYARASAN S A, KARTHICK P** of **MECHANICAL ENGINEERING** during the year 2015-2016.

SIGNATURE

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF SOLAR PANEL FRAMES ON AUTOMOBILE**” is the bonafide record of design and fabrication project work of **KUMARESH T R, MOHAN BABU S, KARTHICK S , PRANEESH C** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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INTERNAL EXAMINER


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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, "FABRICATION AND TESTING OF COMBINATION OF BANANA FIBER WITH GLASS FIBER" is the bonafide record of design and fabrication project work of **MICHAEL RAJ G, MUTHAMIZHMUDHALVAN P, KAVIYARASAN V, NITHIN T** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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INTERNAL EXAMINER


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NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF COCONUT CLIMBING MACHINE**” is the bonafide record of Design and fabrication project work of **KASIVISHWANATHAN A, RAGUPATHY K, MANORANJAN R S, MURALIDHARAN R** of **MECHANICAL ENGINEERING** during the year 2015-2016.

11/4/16
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11/4/16
INTERNAL EXAMINER

11/4/16
EXTERNAL EXAMINER

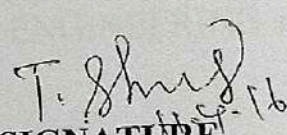
PRINCIPAL,
K S R INSTITUTE FOR
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K S R KALVI NAGAR,
TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF PNEUMATIC BROACHING MACHINE**” is the bonafide record of design and fabrication project work of **MARI A , GURUPRAKASH T, MANOJ R, MEGANATHAN G** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

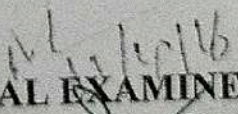
Dr.P.MURUGESAN M.E., Ph.D.,
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Mr.A V T. SHUBHASH.,M.E.
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TIRUCHENGODE – 637 215

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION OF FRONT FORK HELICAL SPRING MONO SUSPENSION”** is the bonafide record of Design and fabrication project work of **PRADEEPKUMAR K, PRAGATHEESKUMAR R, PRASAD K, PRABHAKARAN A** of **MECHANICAL ENGINEERING** during the year 2015-2016.

SIGNATURE

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

EXTERNAL EXAMINER

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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF AUTOMATIC CAR THEFT DETECTING SYSTEM**” is the bonafide record of design and fabrication project work of **NAVEENPRASATH M, PADMANABHAN S, NAVEENKUMAR M** of **MECHANICAL ENGINEERING** during the year 2015-2016.

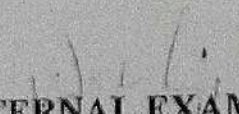

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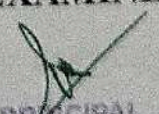

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, "FABRICATION OF HEIGHT SORTING MACHINE" is the bonafide record of design and fabrication project work of **RENKUMAR R,VIMALNATHD M,VIJAYAKUMAR K, SURESH KUMAR.V** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF TRANSMISSION SYSTEM FOR GOKART**” is the bonafide record of design and fabrication project work of **REVANTHKUMAR.K , SASIKUMAR .R, RAVI.A, VIGNESH.G** of **MECHANICAL ENGINEERING** during the year 2015-2016.

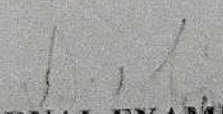

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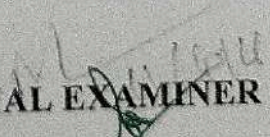
Dr.P.MURUGESAN M.E., Ph.D.,
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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION REGENERATIVE BRAKING SYSTEM”** is the bonafide record of design and fabrication project work of **VIGNESH B, SASI KUMAR J, SIVA S, SABARISH** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF OVER LOAD INDICATOR**” is the bonafide record of design and fabrication project work of **SATHISH G, SANTHOSHKUMAR.V, SENTHIL KUMAR.M, THIYANESHWARAN** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF BOX TRANSPORT SYSTEM USING PARALLEL CRANK MECHANISM**” is the bonafide record of design and fabrication project work of **RAJESH.R, SATHISHKUMAR.P, SATHISHKUMAR.M, VIMAL.S** of **MECHANICAL ENGINEERING** during the year 2015-2016.

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ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**DESIGN AND FABRICATION OF HEAT TRANSFER ON VARIENT FINS FITTED IN THE CIRCULAR PIPE**” is the bonafide record of design and fabrication project work of **SAKTHI MAHESHWARI.R, SUDHAKAR.S, SURIYA.S, VENKATESH.G** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**FABRICATION OF METAL AND NON-METAL SORTING MECHANISM**” is the bonafide record of design and fabrication project work of **SOUNDAR RAJAN.S,** **SOWNDARRAJAN.V,** **SRIDHAR.B,** **VETRISELVAN.J** of **MECHANICAL ENGINEERING** during the year 2015-2016.

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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 FLUIDIZED BED COOLING TOWER"** is the bonafide record of design and fabrication project work of **SRIDHAR.R, SRITHAR.R, SUDARVANNAN.R, SUGAVANAM.D** of **MECHANICAL ENGINEERING** during the year 2015-2016.

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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**FABRICATION AND TESTING ON ORGANIC REINFORCED POLYMER COMPOSITES**” is the bonafide record of design and fabrication project work of **SANTHOSHKUMAR.A, SATHISH KUMAR.D, SARATHKUMAR.T, SURYAPRAKASH.M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

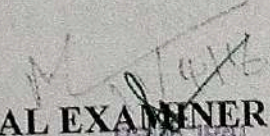
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INTERNAL EXAMINER


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**K S R INSTITUTE FOR
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BONAFIDE CERTIFICATE

This is to certify that the project entitled, "Design AND FABRICATION OF GO-KART STEERING SYSTEM" is the bonafide record of design and fabrication project work of SURYAPRAKASH.T, SHANMUGASUNDARAM.D, VINOTHKUMAR.C, VIJAY.N of MECHANICAL ENGINEERING during the year 2015-2016.


SIGNATURE

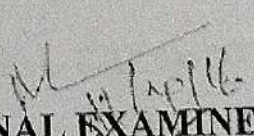
Dr.P.MURUGESAN M.E., Ph.D.,
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TIRUCHENGODE - 637 215,
NAMAKYAL DI, TAMIL NADU.

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION OF BRAKING SYSTEM FOR GOKART”** is the bonafide record of design and fabrication project work of **TAMIL SELVAN.G, ROJITHRAJA.N, SELVAKUMAR.N** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

Dr.P.MURUGESAN M.E., Ph.D.,
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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 BOX SHIFTING MECHANISM**” is the bonafide record of design and fabrication project work of **RAJAJAYASEELAN.R, SRIDHAR.A, RAJKUMAR.R , RAJSHANKAR.M** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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


SIGNATURE 11/4/16

Mr . M.PRABHU.,M.E.
SUPERVISOR,
Assistant Professor,
Department of Mechanical
Engineering,
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Technology,
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Submitted for the Project report Viva-Voce Examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER

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

ANNA UNIVERSITY : CHENNAI – 600 025

BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**FABRICATION OF COMPOSITE PLATE USING BANANA FIBER BY HAND LAY METHOD**” is the bonafide record of design and fabrication project work of **VELMURGAN.C, PUGAZHENTHI.T, VISHNU PRASANTH.A, VETRICHELVAN.S** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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

Mr . M.JACKSONPONRAJ.,M.E.
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Submitted for the Project report Viva-Voce Examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER

**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 ELECTRICITY GENERATION FROM SPEED BREAKERS BY USING CRANK SHAFT MECHANISM”** is the bonafide record of design and fabrication project work of **VIGNESH.B, UDHAYAKUMAR.S, VEERAKUMAR.M, VELAN.P** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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

HEAD OF THE DEPARTMENT,

Professor,

Department of Mechanical Engineering,

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Technology,

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SIGNATURE

Mr .K.VELUSAMY .,M.E.

SUPERVISOR,

Assistant Professor,

Department of Mechanical

Engineering,

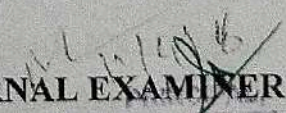
KSR Institute For Engineering And

Technology,

Tiruchengode – 637 215.

Submitted for the Project report Viva-Voce Examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER

**K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVIN 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 EXHAUST MUFFLER IN AUTOMOBILE**” is the bonafide record of design and fabrication project work of **RAVI.S, PRAVEENKUMAR.L.S, THIRUMURUGAN.V, VEDIYAPPAN.P** of **MECHANICAL ENGINEERING** during the year 2015-2016.


SIGNATURE

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 . R.NIRMALRAJA.,M.E.
SUPERVISOR,
Assistant Professor,
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Engineering,
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Submitted for the Project report Viva-Voce Examination held on 11.4.16


INTERNAL EXAMINER


EXTERNAL EXAMINER

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

BONAFIDE CERTIFICATE

This is to certify that the project entitled, **“DESIGN AND FABRICATION OF PORTABLE PNEUMATIC GRINDING MACHINE”** is the bonafide record of design and fabrication project work of **SURYA.G, THANASEYAN.V.S, SIVAKUMAR.G, SATHISHKUMAR.S** of **MECHANICAL ENGINEERING** during the year 2015-2016.


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,
Assistant Professor,
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Engineering,
KSR Institute For Engineering And
Technology,
Tiruchengode – 637 215.

Submitted for the Project report Viva-Voce Examination held on 11-04-2016


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

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, **“DESIGN AND FABRICATION OF CHASSIS FOR GO-KART VEHICLE”** is the bonafide record of Design and fabrication project work of **SENTHILKUMAR.N,** **VASANTH.R** of **MECHANICAL ENGINEERING** during the year 2015-2016.

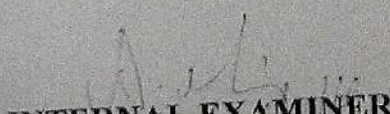

SIGNATURE

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 M.V.SHANMUGAM.,M.E.
SUPERVISOR,
Assistant Professor,
Department of Mechanical
Engineering,
KSR Institute For Engineering And
Technology,
Tiruchengode – 637 215.

Submitted to the project report and viva – voice examination held **11.4.16**
on


INTERNAL EXAMINER


EXTERNAL EXAMINER

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

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

E-MAGAZINE

is the bonafide record of the project work done by


BHUVANIESWARI.J (731612205007)

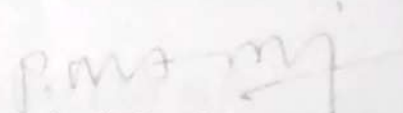
JAYESH KUMAR SURANA.M (731612205015)

PRABHA.M (731612205034)

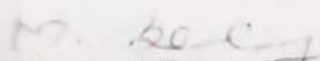
SUMITHRA.S (731612205056)

of B. Tech.-Information Technology during the year 2015-16.

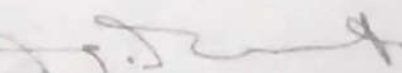

Supervisor


Head of the department

Submitted for the Project Viva-Voce examination held on 11.4.16


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

ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

**SECURE DATA RETRIEVAL IN ENCRYPTED
CLOUD DATA USING RANKING BASED
SEARCH TECHNIQUE**

is the bonafide record of the project work done by

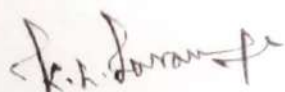
MONISHA.S (731612205028)

SANGAVI.R (731612205045)

SATHYA SHREE.K (731612205051)

VENNILA.A (731612205058)

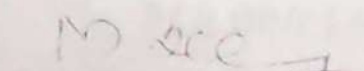
of B.Tech.-Information Technology during the year 2015-16





Supervisor

Head of the department

Submitted for the Project Viva-Voce examination held on 11.04.2016


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

This is to certify that the Project entitled

INTEGRATED ONLINE BANKING SYSTEM

is the bonafide record of the project work done by

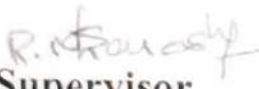
ARUN PRASANTH.A (731612205002)


KARTHIKEYAN.S (731612205019)

KAUSHIKPRABHU.M (731612205020)

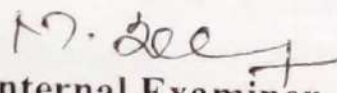
PRAKASH.V (731612205035)

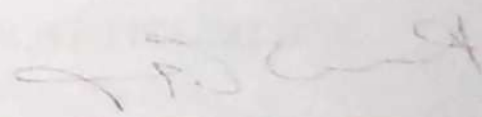
of B.Tech.-Information Technology during the year 2015-16



Supervisor


Head of the department

Submitted for the Project Viva-Voce examination held on 11/4/2016


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

SELF APPRAISAL SYSTEM

is the bonafide record of the project work done by

BHARATHI.P (731612205006)


KARTHIGA.S (731612205017)

NASREEN JOHN.M (731612205030)

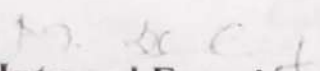
PRAVEENA.P (731612205037)

of B.Tech.-Information Technology during the year 2015-16



Head of the department


Supervisor

Submitted for the Project Viva-Voce examination held on 11.4.16


Internal Examiner


External Examiner


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

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

**RESULT SYSTEM THROUGH INTRANET
AND INTERNET**

is the bonafide record of the project work done by

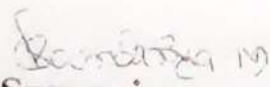
BALAJI.S (731612205004)

MEIARASHU.N (731612205025)

RAKESH KUMARAN.G (731612205039)

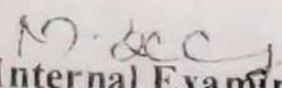
YOGESHWARAN.R (731612205059)


of B.Tech.-Information Technology during the year 2015-16


Supervisor

Head of the Department

Submitted for the Project Viva-Voce examination held on 11/24/2016


Internal Examiner


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

External Examiner

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

ONLINE PLACEMENT MANAGEMENT SYSTEM

is the bonafide record of the project work done by

JANANI J (731612205014)

LEELAVATHI S (731612205023)

MOHAMED BASITH R (731612205026)

SARANYA S (731612205049)

of B.Tech-Information Technology during the year 2015-16


Supervisor

Head of the department

Submitted for the Project Viva-Voce examination held on 11.11.2016

Internal Examiner

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PRINCIPAL,

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

ANNA UNIVERSITY::CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

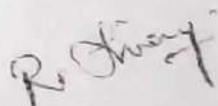
DATA LEAKAGE DETECTION

is the bonafide record of the project work done by

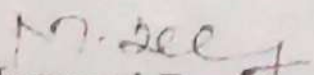
R.ASHOK KUMAR	731612205003
D.GOPINATH	731612205010
M.KAMAL	731612205016
E.R.KARTHIK	731612205018

of B.Tech.-Information Technology during the year 2015-16

Head of the department


Supervisor

Submitted for the Project Viva-Voce examination held on 11.4.2016


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 DL TAMIL NADU.

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

eZy Share

is the bonafide record of the project work done by

INDHU MATHI.R (731612205012)

IYYAN DURAI.R (731612205013)

MEENA.A (731612205024)

SINDHUJAA.S (731612205053)

of B.Tech-Information Technology during the year 2015-16

Supervisor

Head of the department

Submitted for the Project Viva-Voce examination held on 11.11.2016

Internal Examiner



External Examiner

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

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

K S R IET-IT INFORMATION SYSTEM

is the bonafide record of the project work done by

SANDHIYA.R (731612205044)

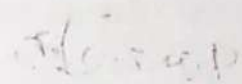
SANGEETHA.S (731612205046)

SARANYA.R (731612205048)

SRIVIDHYA.N (731612205055)

of B.Tech.-Information Technology during the year 2015-16


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Submitted for the Project Viva-Voce examination held on 11.04.2016

Internal Examiner

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**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

This is to certify that the Project entitled

**INTRUSION DETECTION AND SECURE PACKET
TRANSMISSION SYSTEM FOR MANETS**

is the bonafide record of the project work done by


KEERTHANA.R (731612205021)

KIRUTHIGA.R (731612205022)

RAMAKRISHNAN.G (731612205040)

VAISHNAVI.G (731612205057)

of B.Tech.-Information Technology during the year 2015-16



Supervisor

Head of the department

Submitted for the Project Viva-Voce examination held on 11 04 2016

Internal Examiner

External Examiner


PRINCIPAL,
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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
KSRIET PROFILE – MOBILE APP
is the bonafide record of the project work done by

BANUPRIYA N (731612205005)

NITHYA DEVI S (731612205031)

OYILA K (731612205032)

RUBA M (731612205042)


of

B. Tech.-Information Technology during the year 2015-16.



Supervisor

Head of the department

Submitted for the Project Viva-Voce examination held on 11.04.16


Internal Examiner

External Examiner


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

ANNA UNIVERSITY: CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

Intranet Mailing System

Is the bonafide record of the project work done by

ANUSHUYA T

(731612205001)

DEEPALAKSHMI M M

(731612205008)

SHIVA GURU BALAJI S


(731612205052)

SAPTHAGIRI V

(731612205047)


Of B.Tech – Information Technology during the year 2015-16



Supervisor


Head of the department

Submitted for the Project Viva-Voce examination held on 11.04.2016


Internal Examiner


External Examiner


**PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 015,
NAMAKKAL DL, TAMIL NADU.**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the Project entitled

ONLINE STUDENT FEEDBACK SYSTEM

is the bonafide record of the project work done by


B.Narendaran (731612205029)

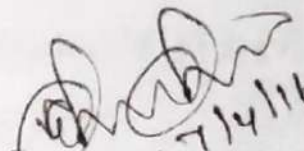
A.Raja Sekar (731612205038)

S.K.Sathish kumar (731612205050)

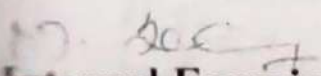
M.Sridhar (731612205054)

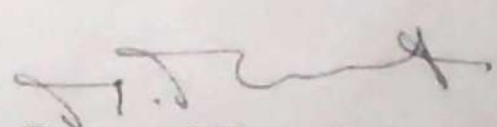
of B.Tech-Information Technology during the year 2015-16



Head of the department


Supervisor

Submitted for the Project Viva-Voce examination held on 11.04.2016


Internal Examiner


External Examiner


**PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 015,
NAMAKKAL Dt, TAMIL NADU.**

ANNA UNIVERSITY :: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report

**STUDY MATERIAL SHARING THROUGH
INTRANET**

is the bonafide work of

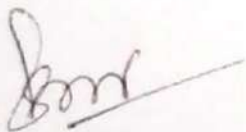
HEERADEVI S (731612205011)

MONICA N (731612205027)

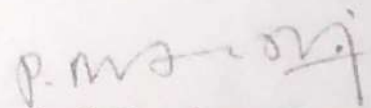
SAMPOORANI S (731612205043)

DHARANI PREETHI R (731612205701)

who carried out the project work under my supervision.

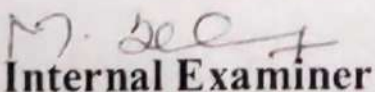


Supervisor

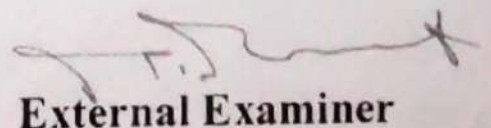


Head of the department

Submitted for the Project Viva-Voce examination held on 11.04.2016



Internal Examiner



External Examiner



**PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE - 637 015,
NAMAKKAL DT, TAMIL NADU.**

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637 215

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"CLOUD BASED MULTIMEDIA CONTENT PROTECTION SYSTEM USING MATCHING OBJECT"** is the bonafide record of Project Work (Phase-I) of **GAYATHRI S (Reg. No.:731614405001)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

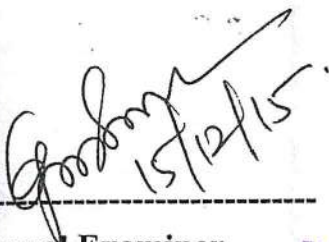


Mr. M. JAGANATHAN, M.E.,
SUPERVISOR,
Assistant Professor/CSE



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


Submitted for the project work (Phase-I) Viva-Voce examination held on 15.12.2015



Internal Examiner



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



External Examiner

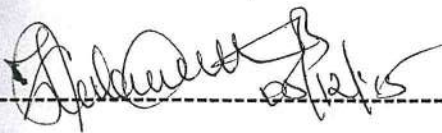
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637215

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, “**FAST RANGE AGGREGATE QUERIES IN BIGDATA ENVIRONMENTS**” is the bonafide record of Project Work (Phase-I) **HAMSAREKA S (Reg.No.:731614405002)** of M.E. (Computer Science and Engineering) during the year 2015-2016.



Dr. B. KALAAVATHI,

SUPERVISOR

Professor & Head/CSE

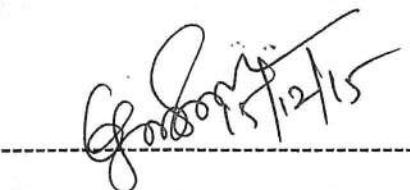


Dr. B. KALAAVATHI,

HEAD OF THE DEPARTMENT,

Professor & Head/CSE


Submitted for the project work (Phase-I) Viva-Voce examination held on 15-12-2015



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.**

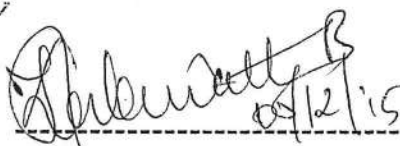
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637 215
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"PRIVACY-PRESERVING PUBLIC AUDITING FOR SHARED DATA IN THE CLOUD"** is the bonafide record of Project Work (Phase-I) of **KOKILA P (Reg. No.: 731614405003)** of M.E. (Computer Science and Engineering) during the year 2015-2016.



Mrs. P. SUMATHI,
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 15.12.2015



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, “**ENHANCING PRIVACY IN GEOSOCIAL APPLICATIONS USING LocX**” is the bonafide record of Project Work (Phase-I) of **KRUTHIKA P (Reg.No.:731614405004)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

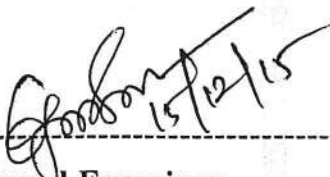


Mr. T. SOUNDER RAJAN, M.E.,
SUPERVISOR,
Assistant Professor/CSE



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

Submitted for the project work (Phase-I) Viva-Voce examination held on 15.12.2015



Internal Examiner



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



External Examiner

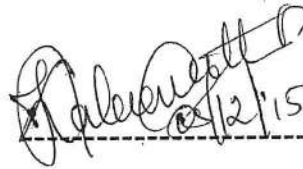
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, "AN EFFICIENT ENCRYPTED
DATA SEARCH AS MOBILE CLOUD SERVICE" is the bonafide record of
Project Work (Phase-I) of NIVETHA R (Reg.No.:731614405005) of M.E
Computer Science and Engineering) during the year 2015-2016.

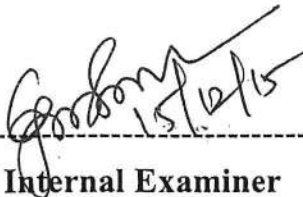


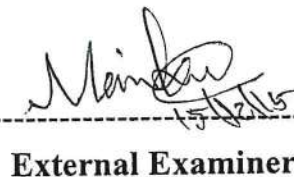
Dr. G. MALATHY,
SUPERVISOR,
Associate Professor/CSE




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

Submitted for the project work (Phase-I) Viva-Voce examination held on 15.12.2015



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.

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637215

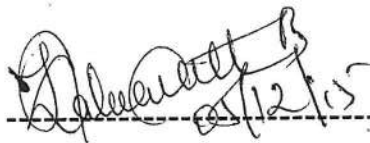
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"PHASE AND RESOURCE INFORMATION-AWARE SCHEDULER FOR MAPREDUCE CLUSTERS"** is the bonafide record of Project Work (Phase-I) of **PAVITHRA S (Reg.No.:731614405006)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

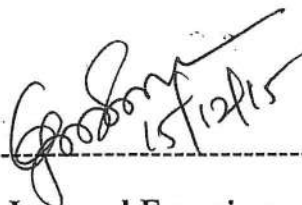


Dr. G. MALATHY,
SUPERVISOR,
Associate Professor/CSE



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

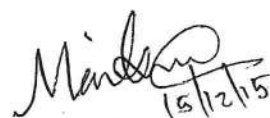
Submitted for the project work (Phase-I) Viva-Voce examination held on 15-12-2015



Internal Examiner



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

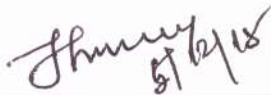


External Examiner

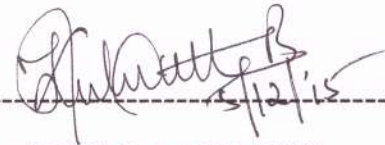
ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DYNAMIC PROOFS OF RETRIVABILITY SCHEME CLOUD COMPUTING**” is the bonafide record of Project Work (Phase-I) **RAVIKUMAR K (Reg No: 731614405007)** of **M.E. (Computer Science Engineering)** during the year **2015-2016**.

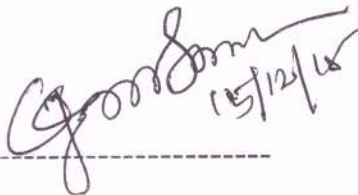


Mr. M. JAGANATHAN, M.E.,
SUPERVISOR,
Assistant Professor/CSE

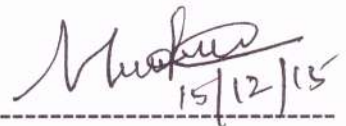


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT ,
Professor & Head/CSE


Submitted for the Project work (Phase-I) Viva – Voce Examination held on 15/12/15



Internal Examiner



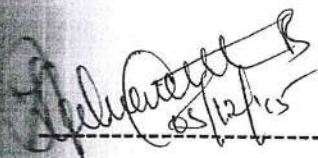
External Examiner


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

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, " **TOP KEY MULTI-KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA**" is the bonafide record of Project Work (Phase-I) of **RENUGADEVI N** (Reg.No.:731614405008) of M.E.(Computer Science and Engineering) during the year 2015-2016.

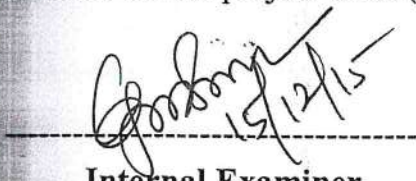


Dr. B. KALAAVATHI,
SUPERVISOR
Professor & Head/CSE

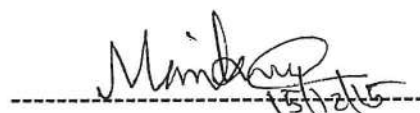


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head/CSE

Submitted for the project work (Phase-I) Viva-Voce examination held on 15.12.2015



Internal Examiner



External Examiner


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

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637215

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"PREDICTING PRODUCT FEATURES IN LARGE SCALE SOCIAL NETWORKS USING NODE CLASSIFICATION"** is the bonafide record of Project Work (Phase-I) of **SATHIYAKALA S (Reg.No.:731614405009)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

P. Krishna Sankar

Mr. P. KRISHNA SANKAR
SUPERVISOR
ASSISTANT PROFESSOR
Department of Computer Science
and Engineering

Dr. B. Kalaavathi 25/12/15

Dr. B. KALAAVATHI
HEAD OF THE DEPARTMENT
PROFESSOR and HEAD
Department of Computer Science
and Engineering

Submitted for the project work (Phase-I) Viva-Voce examination held on 25.12.2015

[Signature] 25/12/15
Internal Examiner

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

[Signature] 25/12/15
External Examiner

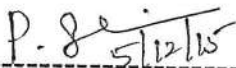
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637215


ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"PRIVACY PRESERVING FRIENDING IN SOCIAL NETWORKS"** is the bonafide record of Project Work (Phase-I) of **VASUKI M (Reg.No.:731614405010)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

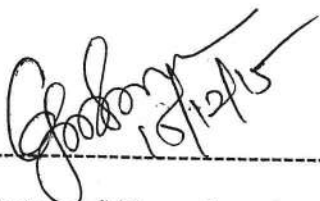


Mrs. P. SUMATHI,
SUPERVISOR,
Assistant Professor/CSE



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

Submitted for the project work (Phase-I) Viva-Voce examination held on 15-12-2015



Internal Examiner



External Examiner



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

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215


ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, "CONTENT PROTECTION SYSTEM USING MATCHING OBJECT FOR CLOUD BASED MULTIMEDIA" is the bonafide record of Project Work (Phase-II) of GAYATHRI S (Reg.No:731614405001) of M.E (Computer Science and Engineering) during the year 2015-2016.




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

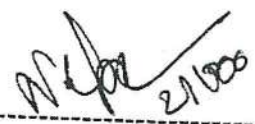


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head/CSE


Submitted for the project work (Phase-II) Viva-Voce examination held on 27.6.16.



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, "EFFICIENT QUERY HANDLING ON BIGDATA BY USING FASTRAQ" is the bonafide record of Project Work (Phase-I) HAMSAREKA S (Reg.No:731614405002) of M.E. (Computer Science and Engineering) during the year 2015-2016.



27/6/16

Dr. B. KALAAVATHI,
SUPERVISOR
Professor & Head/CSE



27/6/16

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

Submitted for the project work (Phase-II) Viva-Voce examination held on 27/06/2016




27/6/16

Internal Examiner



27/06/16

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-637 215
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, **"DATA INTEGRITY MAINTENANCE IN CLOUD STORAGE USING HASHING TECHNIQUE"** is the bonafide record of Project Work (Phase-II) of **KOKILA P** (Reg. No.: **731614405003**) of M.E. (Computer Science and Engineering) during the year 2015-2016.

_____ P. 8 2/6/16

Mrs. P. SUMATHI,
SUPERVISOR,
Assistant Professor/CSE

_____ [Signature] 22/6/16

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

Submitted for the project work (Phase-II) Viva-Voice examination held on 27.6.2016

_____ [Signature] 27/6/16
Internal Examiner

_____ [Signature] 27/6/16
External Examiner

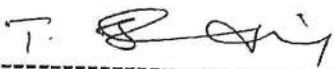

PRINCIPAL,
K. S. R. INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K. S. R. KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DISTRICT, TAMIL NADU,

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215


ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, "PROTECTING USER IDENTITY IN GEO-SOCIAL APPLICATIONS USING COORDINATE TRANSFORMATIONS" is the bonafide record of Project Work (Phase-II) of **KRUTHIKA P (Reg.No:731614405004)** of M.E (Computer Science and Engineering) during the year 2015-2016.



Mr. T. SOUNDER RAJAN, M.E.,
SUPERVISOR,
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 27.6.2016



Internal Examiner


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

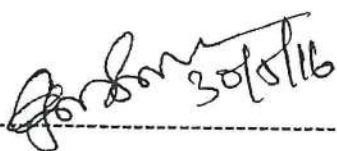


External Examiner


KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, "AN EFFICIENT SEARCH SCHEME OVER ENCRPTED DATA ON MOBILE CLOUD" is the bonafide record of Project Work (Phase-II) of NIVETHA.R (Reg.No.:731614405005) of M.E. (Computer Science and Engineering) during the year 2015-2016.



Dr. G. MALATHY,
SUPERVISOR,
Associate Professor/CSE

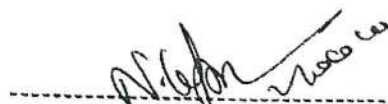


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head/CSE


Submitted for the project work (Phase-II) Viva-Voce examination held on 27.6.2016



Internal Examiner



External Examiner


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

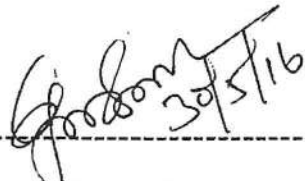
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

TIRUCHENGODE-637215

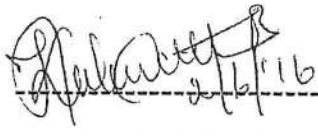
ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

This is to certify that the project titled, "**RESOURCE ALLOCATION FOR PHASE-LEVEL USING MAPREDUCE IN HADOOP FRAMEWORK**" is the bonafide record of Project Work (Phase-II) of **PAVITHRA S (Reg.No.:731614405006)** of M.E. (Computer Science and Engineering) during the year 2015-2016.

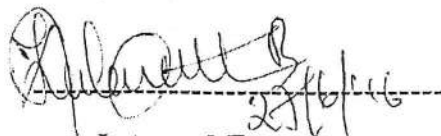


Dr. G. MALATHY,
SUPERVISOR,
Associate Professor/CSE

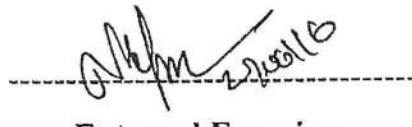


Dr. B. KALAAVATHI,
HEAD OF THE DEPARTMENT,
Professor & Head/CSE


Submitted for the project work (Phase-II) Viva-Voce examination held on 27-6-2016



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, **"DYNAMIC PROOFS OF RETRIEVABILITY SCHEME IN CLOUD COMPUTING"** is the bonafide record of Project Work (Phase-II) of **RAVIKUMAR K** (Reg.No.:731614405007) of M.E. (Computer Science and Engineering) during the year 2015-2016.

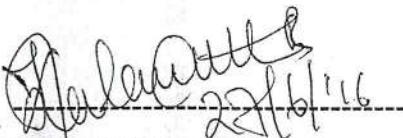


**Mr. M. JAWAHAR, M.E.,
SUPERVISOR,
Assistant Professor/CSE**



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

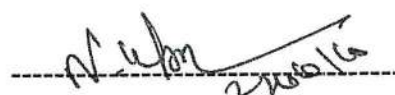
Submitted for the project work (Phase-II) Viva-Voce examination held on 27-06-16



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

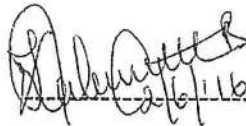
**KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637215
ANNA UNIVERSITY, CHENNAI**

BONAFIDE CERTIFICATE

This is to certify that the project titled, “**SECURE MULTI-KEYWORD TOP KEY RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA**” is the bonafide record of Project Work (Phase-II) of **RENUGADEVI N** (Reg.No.:731614405008) of M.E.(Computer Science and Engineering) during the year 2015-2016.



**Dr. B. KALAAVATHI,
SUPERVISOR
Professor & Head/CSE**



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


Submitted for the project work (Phase-II) Viva-Voce examination held on-27.06.2016



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.**

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE-637 215
ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the project titled, “PREDICTING PRODUCT FEATURES BASED ON DECISION TREE ALGORITHM” is the bonafide record of Project Work (Phase-II) of SATHIYAKALA S (Reg. No. : 731614405009) of M.E. (Computer Science and Engineering) during the year 2015-2016.

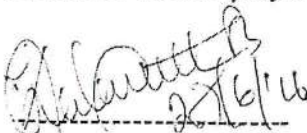


Mr. P. KRISHNA SANKAR
SUPERVISOR
ASSISTANT PROFESSOR
Department of Computer Science
and Engineering



Dr. B. KALAAVATHI
HEAD OF THE DEPARTMENT
PROFESSOR and HEAD
Department of Computer Science
and Engineering


Submitted for the project work (Phase-II) Viva-Voce examination held on 27.06.2016



Internal Examiner



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BONAFIDE CERTIFICATE

This is to certify that the project titled, "SECURE MESSAGING USING ANDROID QR CODE AUTHENTICATION BASED FRIENDING" is the bonafide record of Project Work (Phase-II) of VASUKI M (Reg.No.:731614405010) of M.E. (Computer Science and Engineering) during the year 2015-2016.

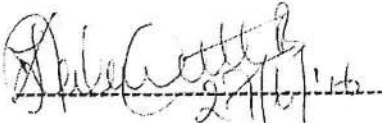


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Submitted for the project work (Phase-II) Viva-Voce examination held on 27.06.16



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BONAFIDE CERTIFICATE

Certified that this thesis titled "SOLAR TRACKING ROBOTIC VEHICLE USING ARM PROCESSOR" is the bonafide work of KRISHNA KUMAR P (Reg. No.:731614431002) who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other scholar.


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BONAFIDE CERTIFICATE

Certified that this Report titled "SAFETY AND SECURITY IN RFID BASED MULTILEVEL VEHICLE PARKING SYSTEM" is the bonafide work of JAYANTHI R (Reg. No.:731614431001) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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Certified that this thesis titled “**RASPBERRY PI (MODEL B) BASED INTERACTIVE HOME AUTOMATION SYSTEM**” is the bonafide work of **RAMYA A (Reg. No.:731614431003)** who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other scholar.


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BONAFIDE CERTIFICATE

Certified that this Thesis titled "ANN BASED REGENERATIVE BRAKING SYSTEM OF ELECTRIC VEHICLE USING BLDC MOTOR" is the bonafide work of **RAVI A (Reg. No.:731614431004)** who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “FLOW ANALYSIS OF HEAT EXCHANGER IN RADIATOR BY USING CFD” is the bonafide record of project phase-I of **M.THIRUMOORTHY ME CAD/CAM** Who carried out the work under my supervision during the year 2015-2016.


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Submitted to the project report and viva – voice examination held
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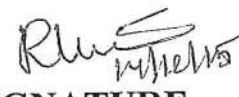
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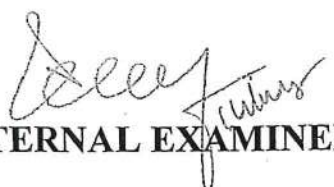
BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**COMPUTATIONAL STUDY OF THERMAL COMFORT ENHANCEMENT IN A MULTY UTILITY VEHICLE**” is the bonafide record of project phase-I work of **R.SASIDARAN ME CAD/CAM** Who carried out the work under my supervision during the year 2015-2016.


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BONAFIDE CERTIFICATE

This is to certify that the project entitled, “**STATIC AND DYNAMIC ANALYSIS OF AIR FOIL STRUCTURE BY USING CO-ORDINATES IN CFD**” is the bonafide record of project phase-I work of **P.SABARINATHAN ME CAD/CAM** Who carried out the work under my supervision during the year 2015-2016.


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BONAFIDE CERTIFICATE

Certified that this Report titled "FLOW ANALYSIS OF HEAT EXCHANGER IN RADIATOR BY USING CFD" is the Bonafide work of M.THIRUMOORTHY (731614402003) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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

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Mr. T. PRABU M.E.,

Asst. Professor

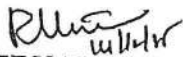
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BONAFIDE CERTIFICATE

Certified that this Report titled "COMPUTATIONAL STUDY OF THERMAL COMFORT ENHANCEMENT IN A MULTI UTILITY VEHICLE" is the Bonafide work of R.SASIDARAN (731614402002) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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

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Page 201 of 206

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BONAFIDE CERTIFICATE

Certified that this Report titled "STATIC AND DYNAMIC ANALYSIS OF AIR FOIL STRUCTURE BY USING NACA CO-ORDINATES IN CFD." is the Bonafide work of P.SABARINATHAN (731614402001) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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Mr.P.GOPINATH M.E., (Ph.D.)

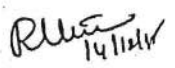
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BONAFIDE CERTIFICATE

This to certify that the project entitled, "COLLABORATIVE ADAPTIVE DATA SHARING PLATFORM APPROACH FOR TRAVEL PACKAGE RECOMMENDATION" is the bonafide record of project work(Phase-I)of **AARTHI K** (Reg.No:731614421001) of M.E. (Software Engineering) during the year 2015-2016.

P. Meenakshi Devi
12/12/15

P. Meenakshi Devi
12/12/15

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

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

SUPERVISOR

HEAD OF THE DEPARTMENT

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Professor & Head/IT

Submitted for the Project work (Phase-I) Viva-Voice Examination held on 15.12.15....

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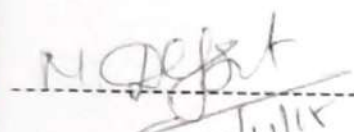
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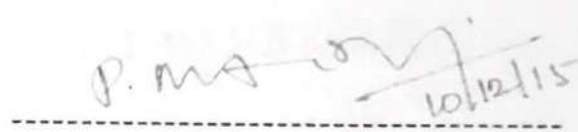
CHENNAI 600 025

BONAFIDE CERTIFICATE

This to certify that the project entitled, "An Efficient Crypto Based Security Authentication System for Detecting Deduplication on Cloud Storage" is the bonafide record of Project Work (Phase-I) of **SURIYA L (Reg.No:731614421002)** of M.E. (Software Engineering) during the year 2015-2016.

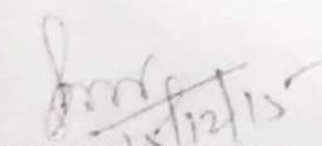


Mrs. M. DHURGA DEVI M.E.,
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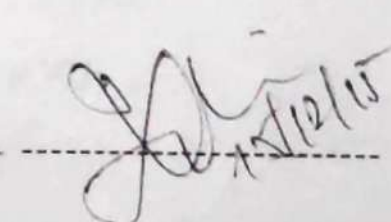
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Internal Examiner


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NAMAKKAL DISTRICT, TAMIL NADU.



External Examiner

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this Report titled "A ROLE-BASED ACCESS CONTROL IN MODEL-DRIVEN METHODOLOGY FOR DEVELOPING SECURE DATA MANAGEMENT APPLICATIONS" is the bonafide work of AARTHI K (Reg.No:731614421001) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



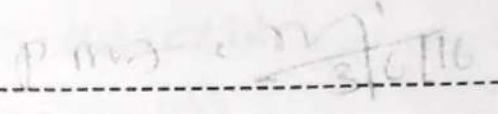
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Dr.P.MEENAKSHI DEVI M.E., Ph.D.,

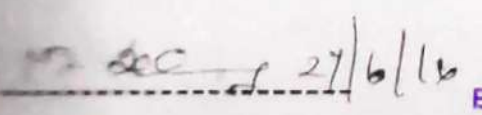
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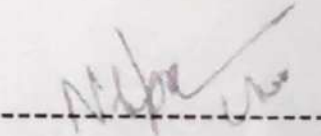
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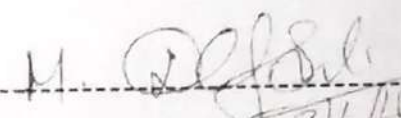
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BONAFIDE CERTIFICATE

This to certify that the Report entitled, "A Secure Distributed Deduplication Systems With Improved Reliability on Cloud Storage" is the bonafide record of project work (phase-II) of **SURIYA L (Reg.No:731614421002)** of M.E. (Software Engineering) who carried out the work under my supervision. Certified further that to best of My Knowledge the work reported here in does not form part of any other thesis or dissertation on an earlier occasion on during the year 2015-2016.

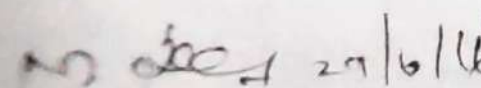


Dr. P. MEENAKSHI DEVI M.E.,Ph.D.,
Professor & Head
Department of IT




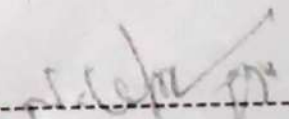
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