7.2.1 Describe at least two institutional best practices

BEST PRACTICE -I

7.2.2.1Title of the Practice

Teaching Learning Process

| S1 | BEST PRACTICE | Practices |
|----|---------------------------|----------------------------------|
| No | | |
| 1 | BEST PRACTICE –I | Practice for Advanced Learners |
| | Teaching Learning Process | |
| | | Practice for Slow Learners |
| | | Experiential learning |
| | | Participative learning |
| 2 | BEST PRACTICE -II | Students achievement outside our |
| | Center for innovation | colleges |
| | | Innovative projects |

2018 -2019 EVEN

SULLA MARY'S COLLEGE OF ENGINEERING

Acuthengasillai.Kallukati Junction, Azhikal (P.O),Kanyakomuri-629202

DEPARTMENT OF FLECTRONICS AND COMMUNICATION ENGINEERING

| SI,No | Date of Coarbing | Time/Duration of Cuarbing | Faculty Same | Subject Name |
|-------|------------------|---------------------------|------------------|------------------------------|
| 1 | EX (16.2011) | 9 00 a.m - Fp. m/h hours | Mrs Ashib Helis | Dectronic Cuenits II |
| 0 | 19.96(2919) | 9.00 n ur -1 p.m/6 hours. | Alt Gegraf Rum | Linear Integrated Circuits |
| 3 | 20.06(2019) | 9 mm a mr - 1 p,mob benns | Mrs. V.JimoShiny | Control System Engineering |
| 3 | 21.06(2019) | 0 m a m - 1 p m/6 hours | Mes I sangelin | Electromagnetic Fields |
| 3 | 22.06.2019 | 9.00 a.md p.m/h hours | Mr Pradeep | VLSI Design |
| 363 | 23.06.2019 | o no a m -1 p.m/6 hours | NIE Vinoi | Antenna and Wave Propogation |

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Mr. N. Mac. 41 - 5, E.W. Co., IN. M.E.

Stella thany's College of Engineering.
Arutnenkanvital, Azhikal Post.
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PRONCIPAL

Dr.R. Surusti Dronil Kumstill E. Ph.D. Orr. Surest Grount Journal of the Company of the Co



STELLA MARY'S COLLEGE OF ENGINEERING

Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari District - 629/202

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Gate Coaching Attendance

| SL No | Name of the Student | 18-06-19 | 190619 | 20.064 | 24.061 | 22.06-19 | 23.00 | 6-19 |
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| | Signature of the staff | John | 1 | Mar F | NT: T | | NI L | |

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Ora Sareth Brand Committee Philip



SMCE/ECE/RC/ CR- 08/2017-2018

18.12.2017

CIRCULAR

It is planned to conduct a special coaching class for the students of II,III and IV year B.E. Electronics and Communication Engineering who secured low marks in Internal Assessment Test. The students concerned are advised to attend the remedial coaching class from 3.00 p.m to 4.20 p.m for the subjects mentioned to improve the learning ability and performance.

PRINCIPAL

Copy to

- 1. The Director
- 2. All Staff
- J. All Classes

2017 - 2016 EVEN

STELLA MARY'S COLLEGE OF ENGINEERING

| SEPARTMENT OF BUILTINGS | BES AND COMPRESSION ENGINEERING |
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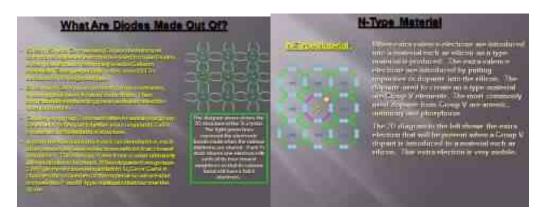


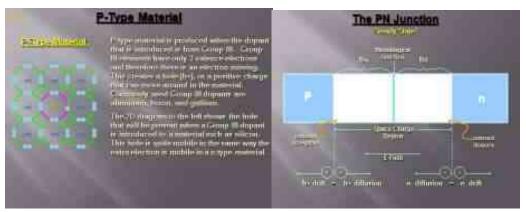
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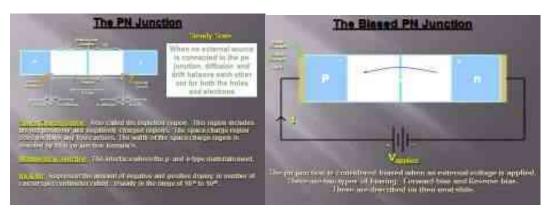
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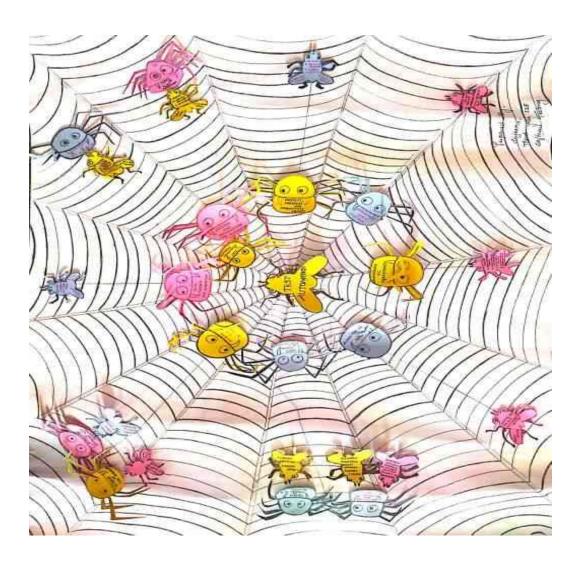




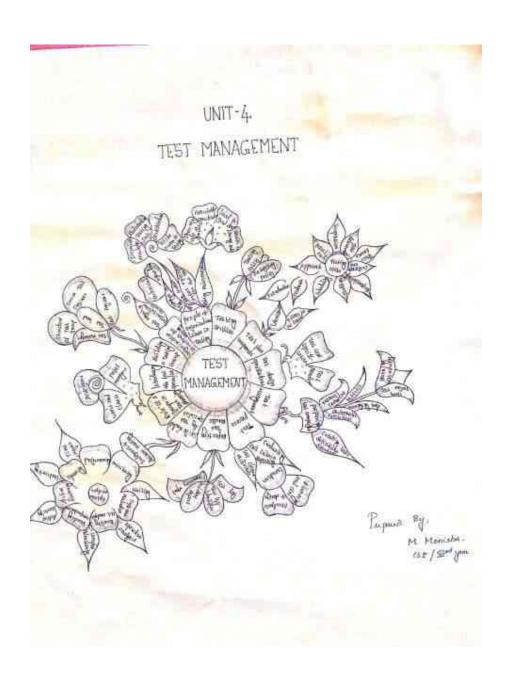
Google Class Room



Mind map



Mind map



Participative Learning



Seminar by Students



STELLA MARYS COLLEGE OF ENGINEERING Aruthenganvilas, Kallukatti Junction, Azhikal Pont, Kanyakumani District, Tamil Nadio - 629-202

COURSE DETAIL FORM

| (1) Course Code | CS6704 |
|----------------------------------|--|
| (2) Course Title | RESOURCE MANAGEMENT TECHNIQUES |
| (3) Number of units | 5 |
| (4) Course Type | Core Engineering Course |
| (5)Pre-requisite | |
| (6) Course Synopsis | The student should be made to Be familiar with resource management techniques. To learn to solve problems in linear programming and Integer programming. Be exposed to CPM and PERT |
| (7) List of experiments | |
| (8) Learning Approach | Lecture: 3 Tutorial: 0 Practical: 0 Credit: 3 |
| (9) First time course offered | (Semester and academic session): Yes, SSCSE [2018 - 2019 (ODD)] |

(10) Course articulation matrix:

| | Course Outcome (CO) | Blooms level | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | POII | PO12 | PO13 | PO14 | PO15 | Possibl e Assess ments (Periodica 1 Tests/Qui d Assignme nts) |
|---------|---|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|---|
| co 1 | Choose the correct decision for solving the particular problem using simplex method and graphical method. | 3 | 3 | 2 | 1 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | |
| CO 2 | Solve the transportation and assignment problem | 6 | 3 | 1 | 1 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | ì | 3 | 2 | |
| CO 3 | Apply branch and bound method for solving complex problems | 3 | 3 | 2 | 1 | 3 | 0 | 3 | 0 | Ę | 0 | 2 | 3 | 0 | 1 | 3 | 2 | Periodi cal Tests/A ssignm ents |
| CO 4 | Solve unconstrained external problems | 6 | 3 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 3 | 2 | |
| CO 5 | Compare CPM and PERT. They can be exposed to CPM and PERT | 5 | 33 | 3 | 1 | 3 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | i | 3 | 2 | |

Blooms level:

C1-Remembering, C2-Understanding, C3-Applying, C4-Analysing, C5-Evaluating,

C6-Creating
(11) Course Planning Statement
1. No. of Units: 5
2. No. of periods allotted /Unit: 9

| 3. No. of Tutorial Periods allotted: NIL Details of Period allotment | Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
|---|--------|--------|--------|--------|--------|
| Periods allotted per unit | 9 | 9 | 9 | 9 | 9 |
| No. of Periods allotted for Tutorial classes | | 22×7 | - N | | |

| Unit | No. of periods required to handle | No. of periods handled (cumulat ive) | Course content | Delivery mode | No. of Tutorial hours (if | Assessments (Periodical Tests/Quiz/ |
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| | LINEA | R PRO | GRAMMING | | needed) | Assignments) |
| | 1 | ì | Principal Components of Decision Problem | Black Board | | Periodical |
| | 1 | 2 | Modeling Phases | 2011 | | TemoQuiz. |
| I. | 1 | 3 | LP Formulation | Black Board | | Periodical TestvQuiz |
| | 2 | 5 | Graphic Solution | Black Board | | Periodical Tests Quiz |
| | - 100 | | | Flipped Class | | Periodical Tests/Quiz |
| | 1 | 6 | Resource Allocation Problems | Black Board | | Periodical |
| | 2 | 8 | Simplex Method | Flipped Class | | Periodical |
| | 1 | 9 | Sensitivity Analysis | Participative | _ | Tests/Quiz |
| | DUALI | TY ANI | NETWORKS | Turterputive | | Seminar |
| | 1 | 1 | Definition of Dual Problem | Black Board | | Periodical |
| | 1 | 2 | Primal - Dual Relationships | Black Board | | Periodical |
| п | 2 | 4 | Dual Simplex Methods | Black Board | | Periodical |
| (11) | 1 | 5 | Post Optimality Analysis | Black Board | | Periodical |
| | | 7 | Transportation Problem | 2020 208222 D | | Tests Quiz Periodical |
| | 2 | B. 1177 | SHARE CONSTRUCTORS IN LIGHT CONVEY-ON. | Black Board | | Tests Quiz |
| | 1 | 8 | Assignment Model | Flipped Class | | Periodical Tests Quiz |
| | 1 | 9 | Shortest Route Problem | Black Board | | Periodical Tests Quiz |
| | INTEG | ER PRO | GRAMMING | | | |
| | 3 | 3 | Cutting plan algorithm | Black Board | | Periodical Tests Quiz |
| Ш | 3 | 6 | Branch and bound methods | Flipped Class | | Periodical Tests Quiz |
| | 3 | 9 | Multistage (Dynamic) programming | Black Board | | Periodical Tests/Quiz |
| | CLASSI | CALO | PTIMISATION THEORY | | | |
| - | | 1 | Unconstrained External Problems | Black Board | | Periodical Tests Quia |
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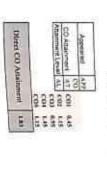
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| 7 | 2 | 2 | Network diagram representation | Black Board | 10,000,000,000,000 |
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Note: Delivery Mode-

- 1. Participative Learning- Interaction between Staff and Student during Lecture (Seminar/Quiz etc..)
- 2. Flipped Class room Discussion on Content circulated through Google Classroom

Experiential Learning- Lab or Field based demonstrative learning
 Model /Project based learning- Demonstration done using models/Projects

| (12) Evaluation Contribution | Internal Assessment tests (50%) Model Exam (35%) Assignments (15%) |
|---|---|
| (13) Number of students | 26 |
| (14) Text Books | 1. H.A. Taha, "Operation Research", Prentice Hall of India, 2002. |
| (15) List of references (List the main texts/references first) | 1.Paneer Selvam, 'Operations Research', Prentice Hall of India, 2002 2. Anderson 'Quantitative Methods for Business'. 8th Edition, Thomson Learning, 2002. 3. Winston 'Operation Research', Thomson Learning, 2003. 4. Vohra, 'Quantitative Techniques in Management', Tata Mc Graw Hill, 2002. 5. Anand Sarma, 'Operation Research', Himalaya Publishing House, 2003. |
| (16) Signatures and approvals | (i) Course Coordinator Coordinator Name: Date: Date: (ii) Module Coordinator (iii) Programme Coordinator Name: Date: Date: |
| | Name: Date: |
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ENGINEERING Aruthospageitalkallekatti jattetismatehlari pust. Kanjakaturi Disrekt-62990 STELLA MARY'S COLLECT OF ENGINEERING

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7.2.2.1 TITLE OF THE PRACTICE: Centre of Innovation BEST PRACTICE-2

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Students Achievements

Academic Year 2018-2019

| Slno | Dept | Student Name | Event | Awards | Program name | Date |
|------|------|-------------------|---|--------------|--|--|
| 1 | EEE | N.Anithya | Circuit Debugging | l Prize | Symposium, Arunachala College of Engineering for women | 8 August 2018, Loyola institute of and Science |
| 2 | EEE | Thanisha.H | Circuit Debugging | I Prize | Symposium, Arunachala College of Engineering for women | 8 August 2018, Loyola institute of and Science |
| 3 | REE | A.Annie Ashaya | Paper presentation- Design and Development Performance Analysis of Grid Accessible Combined solar and wind Based Street Light | participated | All India Seminar,by The Institution Of Engineers VV College of Engineering as Delegate | 5,6 September 2018 |
| 4 | EEE | N.Anithya | Paper Presentation- MPPT Based Two stage Battery charging scheme for a solar PV lightning system. | participated | All India Seminar, by The Institution Of Engineers VV College of Engineering as Delegate | 5,6 September 2018 |

| 5 | MECH | A.Muthumani | Paper Presentation- Bio Gas From Kitchen Waste | II Prize | Symposium, Ponjesly College Of Engineering | 16 February 2019 |
|----|------|--------------------|---|----------|--|------------------|
| 6 | MECH | K.Surya | Paper Presentation- Bio Gas From Kitchen Waste | II Prize | Symposium, Ponjesly College Of Engineering | 16 February 2019 |
| 7 | MECH | A.Vigneshwar | Just a Minute | I Prize | Symposium, Ponjesly College Of Engineering | 16 February 2019 |
| 8 | MECH | M.G.Anjeneya | Paper Presentation | I Prize | Symposium, Mar Ephraem College of Engineering and Technology | 18 March 2019 |
| 9 | MECH | Bala Williams.M | Paper Presentation | I Prize | Symposium, Mar Ephraem College of Engineering and Technology | 18 March 2019 |
| 10 | MECH | Dinesh C.L | Paper Presentation | I Prize | Symposium, Mar Ephraem College of Engineering and Technology | 18 March 2019 |
| 11 | месн | M.S.Aravind | Paper Presentation | 1 Prize | Symposium, Mar Ephraem College of Engineering and Technology | 18 March 2019 |
| 12 | MECH | M.Abdul Basith | Paper presentation- Synthesis and analysis of Bio Oil | II prize | National Conference, Bethlahem Institute Of Engineering | 22 February 2019 |
| 13 | MECH | Godfrey Mohan | SPELL-BEE | I prize | National Conference, Bethlahem Institute Of Engineering | 22 February 2019 |

| 14 | MECH | Abishek.J | CAD Modelling | II prize | National Conference, Bethlahem Institute Of Engineering | 22 February 2019 |
|----|------|--------------------|-----------------------------|----------|---|------------------|
| 15 | месн | R.Arun Kumar | Water Rocketry | II prize | National Conference, Bethlahem Institute Of Engineering | 22 February 2019 |
| 16 | MECH | Abinesh.T.K | Water Rocketry | I prize | National Conference, Bethlahem Institute Of Engineering | 22 February 2019 |
| 17 | МЕСН | R.R.Rohith | Tamil Poetry Competition | 1 Prize | 3 ^{rz} kanniyakumai Book Fair | 25 february 2019 |
| 18 | месн | J.John Jerlin | Paper presentation | II Prize | Symposium. Rohini College of Engineering and Technology | 1 March 2019 |
| 19 | месн | T.K.Abinesh | Aqua Jet | I Prize | Symposium, Rohini College of Engineering and Technology | 1 March 2019 |
| 20 | месн | A.Vigneshwar | Engine Assembly | II Prize | Symposium, Rohini College of Engineering and Technology | 1 March 2019 |
| 21 | месн | A.Sahaya Rajesh | Short Film | I Prize | Symposium. Rohini College of Engineering and Technology | 1 March 2019 |
| 22 | месн | R.Ajith | CAD Masters | 1 Prize | Symposium. Robini College of Engineering and Technology | I March 2019 |

| 23 MECH | | K.Akash | Mr.Machinist | II Prize | Symposium. | 1 March 2019 |
|---------|------|---------------------|---|--------------|--|------------------|
| | | | | | Rohini College of Engineering and Technology | |
| 24 | MECH | R.R.Rohith | Paper presentation | II Prize | Symposium, Rohini College of Engineering and Technology | 1 March 2019 |
| 25 | ECE | S.R.Beauna Ashmi | Paper presentation | III Prize | Symposium, Rohini College of Engineering and Technology | 18 march 2019 |
| 26 | ECE | C.Dhana Shaifee | Paper presentation | III Prize | Symposium, Rohini College of Engineering and Technology | 18 march 2019 |
| 27 | ECE | B.K.Pavithran | Paper presentation | II prize | Intra- Collegiate Technical Synposium | 9 March 2019 |
| 28 | ECE | G.santhiya | Paper presentation- New Generation Wireless Charging Technology | participated | International Conference | 10,11 April 2019 |
| 29 | CSE | B.Aishwarya | Code Debugging | I Prize | Symposium, Rajas Engineering College | 5 October 2018 |
| 30 | CSE | Joel J David | Photography | II Prize | Symposium, Ponjesly College of Engineering | 2 February 2019 |

| 3.1 | CSE | P.M.Minisha | Paper Presentation | 1 Prize | Symposium, Ponjesty College of Engineering | 2 February 2019 |
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| 32 | CSE | P.M.Minisha | Paper presentation | 1 Prize | Symposium Arunachala College of Engineering For Women | 20 february 2019 |

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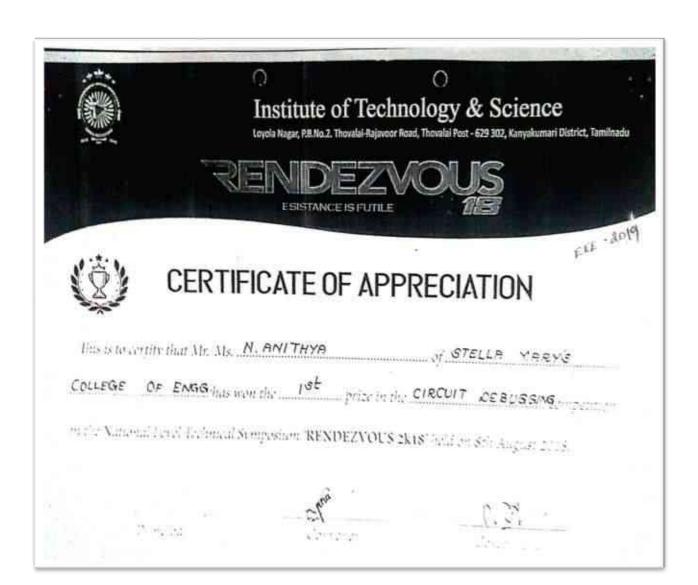


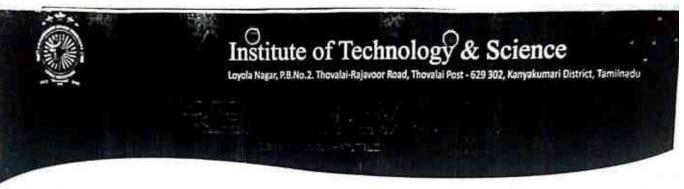
Students Achievements

Academic Year 2018-2019

| St No. | Depart | Student Name | Event Name | Awards | Program name | Date |
|--------|--------|--------------|-----------------------|---------|--|------------------------|
| 1 | EEE | P.Asha Rani | Paper presentation | l Prize | Symposium, Arunachala College of Engineering for women | 13 February 2019 |
| 2 | EEE | N.Anithya | Paper presentation | 1 Prize | Symposium, Arunachala College of Engineering for women | 13 February 2019 |

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Principal

Convener



Che Institution of Engineers (India)

(Established in 1920, incorporated by Royal Charles 1938)

Tuticoun Local Centre

Certificate

This is to certify that

HOMS B. ANNIE AKSHAYA

Participated in the All India Seminar on

"Research Challenges in Grid Integrated Solar - Wind Energy Systems"

on 5" & 6" September, 2018 at VV College of Engineering as sponsor/organizer/speaker/delegate Title of paper presented: Accessible condinant serve and wind Bosep STRAGT LIGHT

S. ARIBU SULTHAN FIE CHAIRMAN

G. SELVARAJ FIE CONVENER

E. HENSON VICTORIA MIE



CONVENER

HON.SECRETARY

S. ARIBU SULTHAN FIE

CHAIRMAN

NAGERCOIL-3

DEPARTMENT OF MECHANICAL ENGINEERING

Mech - Bell9

MECHRAND 2K19

Certificate of Appreciation

This is to certify that Mr/Ms......A: MUTHU MAN!

ofSTELLA. MARY'S COLLEGE OF ENGINEERING.......
has wonSECOND........prize in Paper Presentation on the topic BIOGRAS. FROM KUTCHEN MASTE...conducted by Mechrand 2k19 on 16th February 2019.

Coordinator

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DEPARTMENT OF MECHANICAL ENGINEERING

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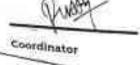
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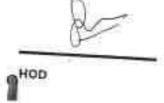
This is to certify that

Mr/Ms......K.SURYA

of STELLA MARY'S CALLEGE OF ENGINEERING......
has won SECOND prize in Paper Presentation
on the topic Bis 6/06 FRM MISCHEN HASTE CONDUCTED by

Mechrand 2k19 on 16th February 2019.









MECHRAND 2K19

Certificate of Appreciation

1000

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Coordinator



OF APPRECIATION

This is to certify that Bola Williams M

Stella Mary's rolling of Engineering has man the First Second place in Pager. Presentation conducted the MATES, an 18th March 2019 in Mar Ephraom Callego of Engineering and Technology.

Staff Co-ordinator

Di Di Rejeev

Director Dr. N. Austra

Principal Dr. A Lordy fred

AGNEYA"







CERTIFICATE OF APPRECIATION

This is to certify that _ARAVIND: M.S.

Stella Mary's Lollege of Engineering _ has wan the Tirst/Second place in _______ conducted by MATES, an 18th March 2019 in Mar Ephraem College of Engineering and Technology.

Staff Co-ordinator Anto Paulin Merinto

HOS Dr. D Rajecy

Director Dr. N Austin

Principal De Atsonitival

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OF ACHIEVEMENT

This is to certify that

- M. ABDUL BASITH

has participated and secured first / second position for the paper presentation entitled

Synthesis And Ambrit of 80 of lorend lof shikuship in the National Level Conference on Recent Trends & Developments in Mechanical Engineering (CHAKRA 19) on 22° February 2019 at Bethlahem Institute of Engineering Karungal

EW4

DEPARTMENT OF

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OF ACHIEVEMENT

This is to certify that

(MODFREY MOHAN

has been awarded first / -second- position in SPELL-BEE at CHAKRA'19 organised by The Department of Mechanical Engineering of Bethlahem Institute of Engineering, Karungal on 22nd February 2019.

DEPARTMENT

CONVENDE & HOD

DH. A. JUSTIN DIRAVIAM

DR. R. I. HAMBAN NEWHTAN

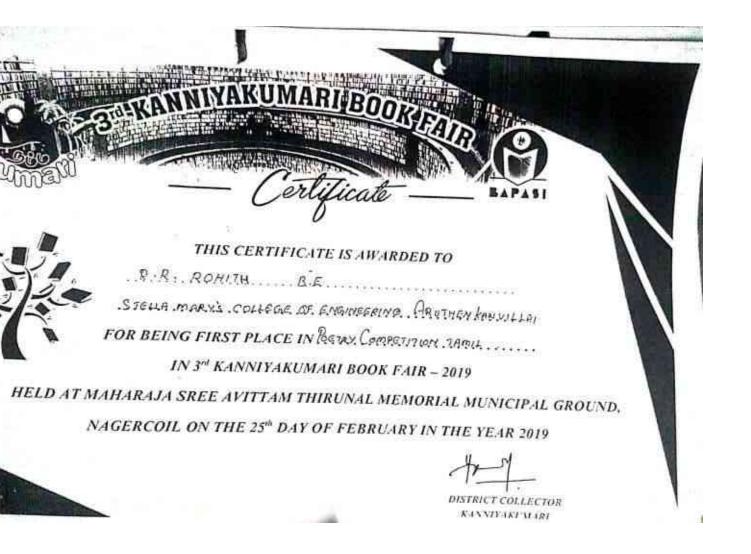


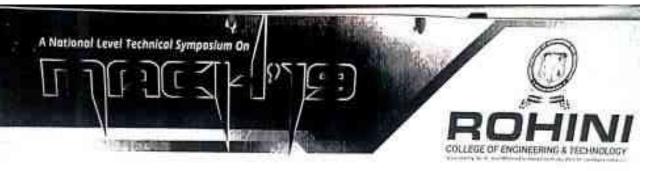




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This is to certify that

Mr/Ms. ABINESH · T· k
has been awarded first / second position in WATER
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Department of Mechanical Engineering of Bethlahem
Institute of Engineering, Karungal on 22nd February

2019.

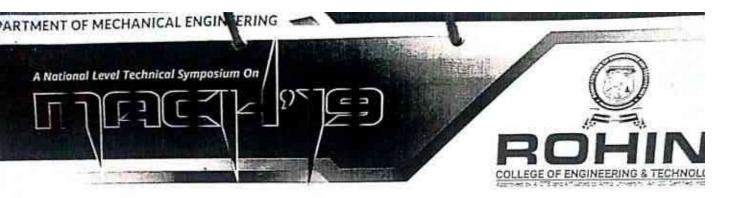
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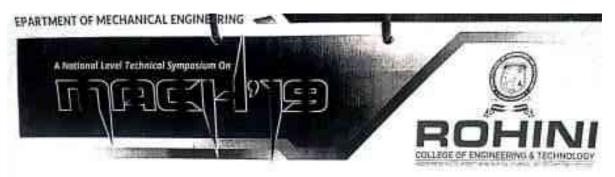
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| Fngg | /Ms. A VIGNESHWAR | participated Tr | Monys college |
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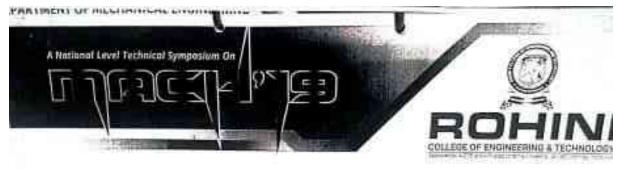
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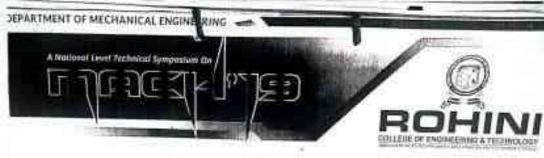
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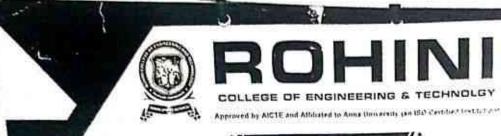
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STELLA MARY'S COLLEGE OF ENGINEERING

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

Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari District – 629 202.

Department of Computer Science & Engineering

CETAS

Computer Engineers Technical Association of Stella Mary's

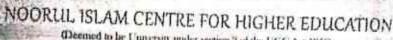
INTRA-COLLEGIATE TECHNICAL SYMPOSIUM



CERTIFICATE

PRINCIPAL

DIRECTOR



Accredited by NAAC with "A" Grade University

Kumaracoil - 629 180, Thu Lalay, Kanyakuman District, Tand Nada, India.

International Conference on Networks, Image and Security

Organised by Department of Information Technology

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RAJAS ENGINEERING COLLEGE

RAJA NAGER - VADAKKANKULAM, TIRUNELVELI DISTRICT, TAMIL NADU - 627116 APPROVED BY AICTE AND AFFILIATED TO ANNA UNIVERSITY CSE-2019

NATIONAL LEVEL TECHNICAL SYMPOSIUM

REC TECH-FEST'18

CERTIFICATE

This is to certify that Mr/Ma. B. Aiswarya of Stella Mays College of Engg has participated obtained Ist conducted as part of REC TECH-FEST'18 on 5 October 2018 at Raids Experience Course

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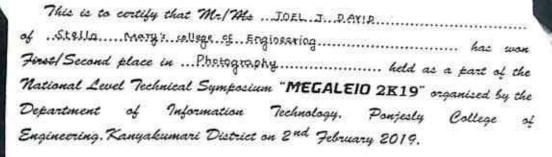


Certificate of OAchievement



Ponjesly College of Engineering

Department of Information Technology



Chairman

Principal



ARUNACHALA COLLEGE OF ENGINEERING FOR WOMEN

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'Thanka Gardens', Manavilai, Vellichanthai





CERTIFICATE OF EXCELLENCE

| This is to certify that | Ms. P. M. Minisha | of |
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| participated and has s | securedprize in thepapexPro | esa ata bisa |
| contest of IET s | ponsored one day National Level Technical S | vmposium |
| "TECHNOVATE 2K1 | 9" organized by the Department of Comput | er Science |
| | nis Institution on 20-02-2019. | |
| | Sar Var | 11 1 |

Dr.T.KrishnaSwamy Chairman



Dr. S.Joseph Jawhar Principal

Prof.T.V.Chithra Convenor



Certificate of OAchievement





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Mensyllel, Vellishambel, Ranyelamed Olst spartment of Electrical and Electronics Engineering CERTIFICATE Engineering and Technology This is to Certify that Ms . Aska . Pana P. Statta Many Lettege of Engineering has Won First /Second Prize / Participated

Technical Symposium CULTICALS 2K19, organised by the Department of EEE, ACEW

in Pages Presentation contest of IET Sponsored One day National Level

on 13.02.2019.

DIVINISMOSTATION

Chairman

Co ordinator

EDGS STREET

HOD/Convene



Stella Mary's College of Engineering Arnthenganvilai, kallukattidunction, AzhikatPost, Kanyakumuri District - 629202

Student Achievements

Academic Year 2017-2018

| Sl.no | Department | Student Name | Event | Awards | Program name | Date |
|-----------|------------|-----------------|---------------------|-----------|---|---------------|
| Y 505 ≡ 1 | месн | K.Suriya | Poster Presentation | II prize | Symposium, James Cullege of Engineering and Technology | 19 march 2018 |
| 2 | MECH | A.Sahaya Rajesh | Short film | I prize | Symposium, James College of Engineering and Technology | 19 murch 2018 |
| 3 | MECH | E.Ajay | Project Expo | III prize | Symposium. Annai Vailankanni College of Engineering | 12 march 2018 |
| 4 | MECH | Santhosh Raj | Project Expo | 111 prize | Symposium, Annai Vuitankanni College of Engineering | 12 march 2018 |
| 5. | меси | S.Ajith | Project Expo | III prize | Symposium, Annai Vaifankanni College of Engineering | 12 march 2018 |
| 6 | MECH | Anjenaya,M.G | Paper presentation | I prize | Symposium Mar Ephrem College of Engineering | 18 March 2019 |

| 7 | ECE | T.Chevanthi | Paper presentation | I prize | Symposium. I alservity Cullege of Engineering | 25 January 20 |
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| 8 | ECE | K.Mahima | Paper presentation | I prize | Symposium. I discrete Callege of Engineering | 25 January 2011 |
| 9 | CSE | A.V. Ajini | Technical quiz | III Prize | Symposium, Robini College of Engineering | 20 March 2018 |
| 10 | CSE | A.V.Ajini | Paper presentation | II Prize | Symposium. Kalaivanar NSK College of Engineering | a-Marchau |
| 11 | CSE , | S.Arun Kumar | Paper presentation- Future of Game Generation | II prize | Symposium, Einstien College Of Engineering | 24 february 201 |
| 12 | CSE | George Stalin Britto | Elecution competion | 1 prize | National voters Day | 25 january 2018 |
| 13 | EEE | N.Anithya | Essay Writing | I prize | National Voters Day | 25 january 2015 |
| 14 | EEE | J.Hlessing | Technical Quiz | 1 Prize | Cape Institute of Technology | 8 September 201 |
| 15 | EEE | M.P. ABISHA | Technical Quiz | 1 Prize | Cape Institute of Technology | 8 September 201 |
| 16 | EEE | N,Anithya | Paper presentation | 11 prize | Symposium, Arunachala College Of Engineering | 15 september 20 |

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| | EEE | 11.Thanisha | Paper presentation | II prize | Symposium, Arumetala College Of Engineering For women | 15 september 20 |

JAMES COLLEGE OF ENGINEERING AND TECHNOLOGY (Fire to Legal Reported Controlled Liver Country Country (1995)) Senting to Provide April 1997 (State of Country (1995))





DEPARTMENT OF MECHANICAL ENGINEERING

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STELLA MARY COLLEGE OF ENGINEERING Wen the SECOND place in the event

POSTER PRESENTATION of the National Level Technical Symposium organised

by department of Mechanical Engineering on 19-march-2018

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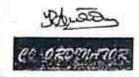
UNIVERSITY COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

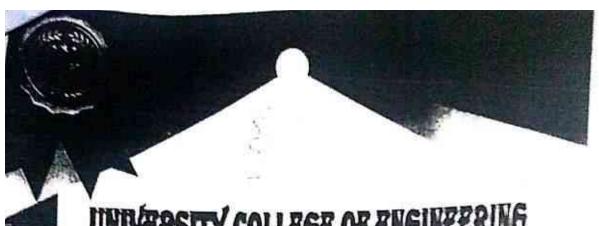
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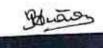
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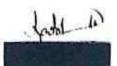


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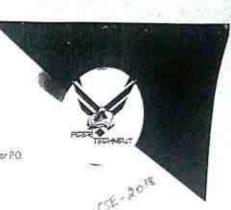




ROHINI COLLEGE OF ENGINEERING

COLLEGE OF ENGINEERING & TECHNOLOGY

ISD 9001 2008 Certied APPROVED BY AICTE AND AFFILIATED TO ANNA UNIVERSITY Near Anjugramam Junction, Kanyakuman Main Road Palkulam, Variyoor P.O. Kanyakuman Dist, Pin : 629 401





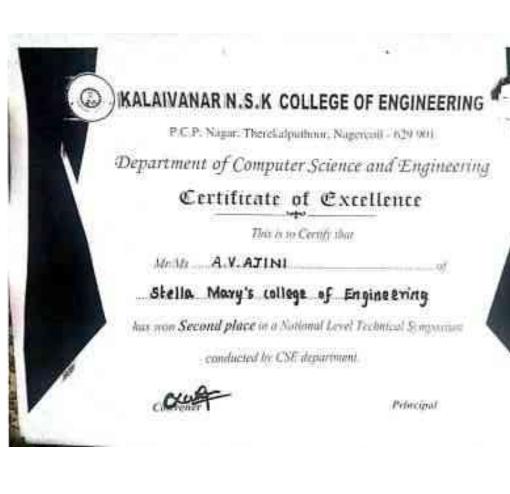
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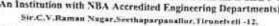
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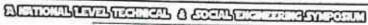


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COLLEGE OF ENGINEERING









Department of Computer School Confirmation

Certificate of Merit THIS IS TO CERTIFY THAT MENTS . S. ARUN KUMAR

DE. STELLA MARY'S COLLEGE OF ENGINEERING

PRIZE IN THE PAPER PRESENTATION EVENT TITLED

FUTURE OF GAME GENERATION

MATIONAL LEVEL TECHNICAL & SOCIAL ENGINEERING SYMPOSIUM "EINSTEIN TSS 2018" ORGANIZED BY DEPARTMENT OF COMPLITER

SCIENCE AND ENGINEERING, EINSTEIN COLLEGE OF ENGINEERING.

TIRUMELUELI ON 24 02 2010

Coordinator Prof. E.Sivaganesh.AP CSE

HOD

Dr.R. Velayutham

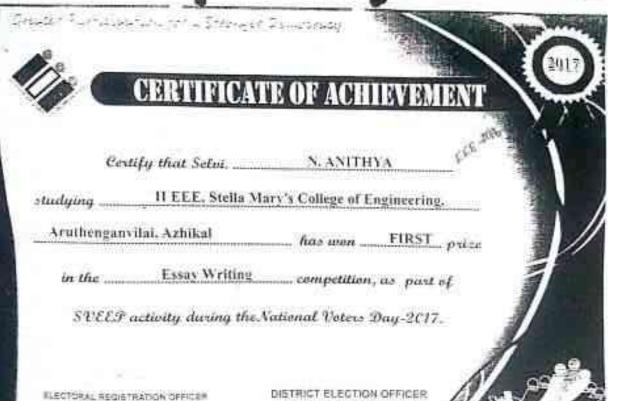
Principal

Dr.K. Ramar, M. P. F. Fitt.



A HEVENUE DIVISIONAL OFFICER

NAGEROOIL



A DISTRICT COLLECTOR.

HANNIYAKUVARI.

G U S T A V

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Levengipuram, Rajakrishnapuram(Post), Tirunelveli District-627114 Website: www.capeitech.org



Prof.C.Ebbie Selva Kumar Convener, GUSTAV'17

Dr.N.Azhagesan Patron,GUSTAV'17 Er.I.Krishnapillai Chief Patron,GUSTAV'17

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Prof.C.Ebbie Selva Kumar Convener,GUSTAV 17 HoD/EEE

Dr.N.Azhagesan Patron,GUSTAV'17 PRINCIPAL

Er.I.Krishnapillai Chief Patron,GUSTAV'17 CHAIRMAN

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| ACEW on 15 th September 2017. | - Duan |

Dr.T.Krishnaswamy Chairman Dr.S. Joseph Jawhar Principal DrTS, State HOD Convener

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| ACEW on 15 th September | 2017. | 5 | 100000 | |
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Dr.T.Krishnaswamy Chairman اسان Dr.S. Joseph Jawhar Principal

Dr.T.S. Sivarani HOD/Convener



Students Achievements

Academic Year 2016-2017

| SI No | Depart | Student Name | Event Name | Awards | Program name | Date |
|-------|--------|---------------|--------------------|----------|--|----------------------------|
| 1 | EEE | S.Mary Stancy | Paper presentation | II Prize | Symposium, Rajas International Institute of Technology for women | 10 september 2016 |
| 2 | EEE | V.Rakshana | Paper presentation | II Prize | Symposium, Rajas International Institute of Technology for women | 10 september 2016 |
| 3 | EEE | D.Joy Alex | Paper presentation | 1 prize | Symposium, V V College of engineering | 14 september 2016 |
| 4 | EEE | A.J.Vijay | Paper presentation | 1 prize | Symposium, V V College of engineering | 14 september 2016 |
| 5 | EEE | S.Mary Stancy | Paper presentation | II prize | Symposium, Arunachala college of Engineering for women | 23.24 september 2016 |
| | | | | | | |
| 6 | EEE | V.Rakshana | Paper presentation | II prize | Symposium, Armachala college of Engineering for women | 21,24 september 2016 |

| - | | | | | | |
|----|------|---------------|---|----------|--|----------------------|
| | EEE | G.Manikandan | Paper presentation - Design,Developme nt and performance of grid accessible hybrid solar and wind based automatic street Light | 1 prize | Symposium, PSN college of Engineering and Technology | 28 september 2016 |
| 8 | EEE | C.Dhinesh | Paper presentation - Design, Developme nt and performance of grid accessible hybrid solar and wind based automatic street Light | I prize | Symposium, PSN college of Engineering and Technology | 28 september 2016 |
| 9 | EEE | G.Manikandan | Paper presentation | I Prize | symposium, V V College of engineering | 14 september 2016 |
| 10 | EEE | C.Dhinesh | Technical Quiz | I Prize | Symposium, V V College of engineering | 14 september 2016 |
| 11 | EEE | G,Manikandan | Circuit Debugging | II Prize | Symposium, V V College of engineering | 14 september 2016 |
| 12 | EEE | S.Mary Stancy | On -spot speech | I Prize | Symposium, Rajas International Institute of Technology for women | 10 september 2016 |
| | EEE | H.Thanisha | Circuit Tricks | II Place | Symposium, Sardar Raja College of Engineering | 15 september 2016 |
| 13 | месн | J.Anish | CAD Modelling | I prize | Symposium, V V College of engineering | 16 september 2016 |
| 14 | MECH | | Nuts and Bolts | 1 prize | Symposium, V V College of engineering | 16 september 2016 |

| 16 | МЕСН | A.Rejith | CAD Modelling | II Prize | Symposium, DMI Engineering College | 31 August 2016 |
|----|------|----------------------------|---|----------|---|-------------------|
| 17 | месн | E.Sahaya Milton Jenifer | Lathe machining | II Prize | Symposium, DMI Engineering College | 31 August 2016 |
| 18 | MECH | F.Sanjay | Technical Quiz | 1 Prize | Symposium, DMI Engineering College | 31 August 2016 |
| 19 | ECE | A.Monisha | Nano Tree the Latest Renewable Energy Resources | I Prize | Symposium, DMI College of Engineering | 17 august 2016 |
| 20 | ECE | A.Monisha | Paper presentation | II Prize | Symposium, Ponjesty college of engineering | 20 August 2016 |

O.R. Suresh Premit Kumar, M.E., Fa.D.
PRINCIPAL
STELLA MARY'S COLLEGE OF SINGINEERING
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| 7 | ECE | T.Chevanthi | Paper presentation | 1 prize | Symposium, | |
|----|-----|-------------------------|---|-----------|--|-----------------|
| | | | | | University College of Engineering | 25 January 2011 |
| N | ECE | K.Mahima | Paper presentation | 1 prize | Symposium, I niversity Coffege of Engineering | 25 January 201 |
| 9 | CSE | A.V. Ajini | Technical quiz | III Prize | Symposium. Robini College of Engineering | 20 March 2018 |
| 10 | CSE | A.V.Ajini | Paper presentation | II Prize | Symposium, Kalaiyanar N.S.K College of Engineering | |
| 11 | CSE | S.Arun Kumar | Paper presentation- Future of Game Generation | II prize | Symposium, Einstien College Of Engineering | 24 february 20 |
| 12 | CSE | George Stalin Britto | Elecution competion | I prize | National voters Day | 25 january 201 |
| 13 | EEE | N.Anithya | Essay Writing | 1 prize | National Voters Day | 25 january 201 |
| 14 | EEE | J.Blessing | Technical Quiz | 1 Prize | Cape Institute of Technology | 8 September 20 |
| 15 | EEE | M.P. Ajitha | Technical Quiz | 1 Prize | Cape Institute of Technology | 8 September 20 |
| 16 | EEE | N, Anithya | Paper presentation | II prize | Symposium, Arunachala College Of | 15 september 20 |

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| | EEE | 11.Thanisha | Paper presentation | II prize | Symposium, Arumetala College Of Engineering For women | 15 september 20 |



RAJAS INTERNATIONAL INSTITUTE OF TECHNOLOGY FOR WOMEN

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Ozhuginasery, Negercoli - 629001

Department of Florteiral & Flortenics Engineering



This is so certify that Ms. S. MARY STANCY

TORY'S CONFIGERE ENCINNEERING has participated and wan SECOND prize

in the event DAPER PRESENTATION in E-KRAFT 16 a National Level Technical Symposium

held on 10 th September 2016.

CONVENCE

PRINCIPAL

CHAIRMAN



RAJAS INTERNATIONAL INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE and affiliated to anna university)
Ozhuginezery, Nagercoil - 629001

Repartment of Electrical & Electronics Engineering



| This is to certify that Ms | V RAKSHANA | - |
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| in the event PAPER A | DRESENTATION in E-KRAFT'16 o N | ational Level Technical Symposium |
| held on 10 th September 2016. | | |
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Department of Electrical and Electronics Engineering

NATIONAL LEVEL TECHNICAL SYMPOSIUM TECHNIX -2K16







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Department of Electrical and Electronics Engineering

NATIONAL LEVEL TECHNICAL SYMPOSIUM TECHNIX -2K16





ARUNAGHALA COLLEGE OF ENGINEERING FOR WOMEN

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING





STELLA HIMIYA COLLEGE OF ENGINEERING has Won First /Second Prize / Participated

inPAPER PRESENTATION contest of IET Sponsored Two day National Level

Technical Symposium Emerald 2K16 organised by, Department of Electrical and

Electronics Engineering on 23 th & 24th September 2016.

Dr. T. Krishnaswamy

Dr.5. Joseph Jawhae Principal

Prof. T.5. Sivarani Convener

Emerald 2k16

ARUNACHALA COLLEGE OF ENGINEERING FOR WOMEN

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DEPARTMENTS OF ELECTRICAL AND ELECTRONICS ENGINEERING





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STELLA MARY'S COLLEGE OF LEADINGERING has Won First / Second Prize / Participated

PARER PRESENTATION contest of IET Sponsored Two day National Level

Technical Symposium Emerald 2K16 organised by, Department of Electrical and

Electronics Engineering on 23 to & 24 September 2016.

Dr. T. Krishnaswamy (

Dr. 5. Joseph Jawhar Principal

Prof. T.S. Sivarani Convener



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Approved by AICTE, Recognized by UGC under section 2(F)
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DEPARTMENT OF EEE, CSE, IT, MCA & M.SC.

9th NATIONAL LEVEL TECHNICAL SYMPOSIUM



TREWOS' 16

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TECHNOBUZZ'

This is to certify that Mr./Mo. Co. Manikandan of Engineering has participated form the Einel EEE Stella Many's College of Engineering has participated form the T. price in Paper presentation (Design Development and Performance and of grid Accessible Hybrid Solar and Wind based Automatic Street Light) in the national level Technical Symposium organised by the DEPARIMENT OF EEE, CSE, 17, MCA and M.Sc. on 28-09-2016.

Coordinator

Convoner

P

PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Approved by AICTE, Recognized by UGC under section 2(F)
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DEPARTMENT OF EEE, CSE, IT, MCA & M.SC.

9th NATIONAL LEVEL TECHNICAL SYMPOSIUM



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V V COLLEGE OF ENGINEERING

V V Nagar, Tisalyanvilai, Tirunelveli - 627 657, Tamilaadu Website: www.vvcoe.org, Google Walkthrough http://goo.gl/icGoYi

Department of Electrical and Electronics Engineering

NATIONAL LEVEL TECHNICAL SYMPOSIUM TECHNIX -2K16

Mr./Ms. G. Manikandan of Engineering of Engineering has won First Insie Cond prize in Technical Quiz in the National Level Technical Symposium Organized by VVEETA on 14 September, 2016

THOD



TECHNIX



V V COLLEGE OF ENGINEERING

Website: www.sycoc.org. Google Walkthrough http://googleGoyl

Department of Electrical and Electronics Engineering

NATIONAL LEVEL TECHNICAL SYMPOSIUM TECHNIX -2K16

Certificates.

This is to centify that

Mr./Ms. C. Oinesh of

Stella Many's Callege of Engineering

has won FIRST And OCONE prize in Technical Quiz in the National Level

Technical Symposium Organized by

VVEETA on 14 September, 2016

Co-ordinator





TECHNIX

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V V COLLEGE OF ENGINEERING

V V Nagar, Tisaiyanvilai, Tirunelveli - 627 657, Tamilnadu Website: www.vvcoe.org, Google Walkthrough http://goo.gl/icGoYi

Department of Electrical and Electronics Engineering

NATIONAL LEVEL TECHNICAL SYMPOSIUM TECHNIX -2K16

Mr./Ms. Commanikandaro of Stella Manys College of Engineering has won First NaSecond Prize in Circuit Debugging in the National Level Technical Symposium Organized by VVEETA on 14 September, 2016







RAJAS INTERNATIONAL INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE and affiliated to anna university)
Ozhuginasery, Nagercoil - 629001

Department of Electrical & Electronics Engineering



| This is to certify that Ms | MARY STANCY | ol |
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| STELLA MARY'S | COLLEGE OF ENGINEERING has participe | and and are Dipos |
| the state of the s | production of the second secon | and the second s |
| | SPEE.C.H in E-KRAFT'16 a Natio | onal Level Technical Symposium |
| held on 10 th September 2016. | Į. | |
| Brinish | 1 | |
| CONVENOR | PRINCIPAL | CHAIRMAN |
| The second secon | | |



JESUS Group of Organizations



SARDAR RAJA COLLEGE OF ENGINEERING

ALANGULAM

CEEMTEZ '16

National Level Technical Symposium

CERTIFICATE OF APPRECIATION

| in Stella Mary's college o | f ENGG | has Participated/Won | SELOND | Place in |
|-----------------------------|--------------|----------------------|-------------|----------|
| IRCUIT TRICKS | _event in_EL | ECTRICAL & E | LECT RONICS | ENGG |
| department held on 15.09.16 | | | | |
| the town | | A | | |
| Co-ordinator | G | nvenor | Pr | incipal |



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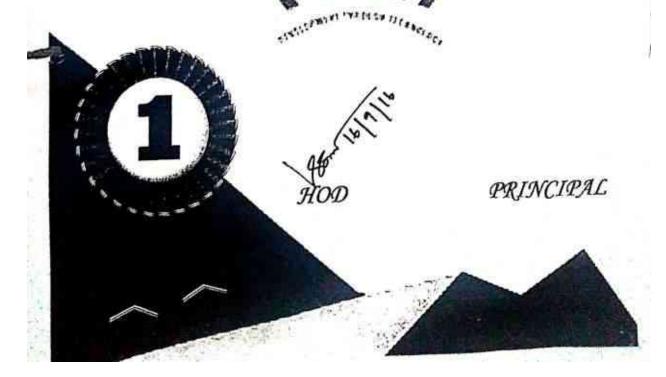
(Affiliated to Anna University, Chennal)

V V Nagar, Tisalyanvilai (Via), Tirunelvell District, Tamilnadu-627657

DEPARTMENT OF MECHANICAL ENGINEERING

V V YENTHIRAZ'2K16

FOURTH NATIONAL LEVEL TECHNICAL SYMPOSIUM





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(Affiliated to Anna University, Chennal)

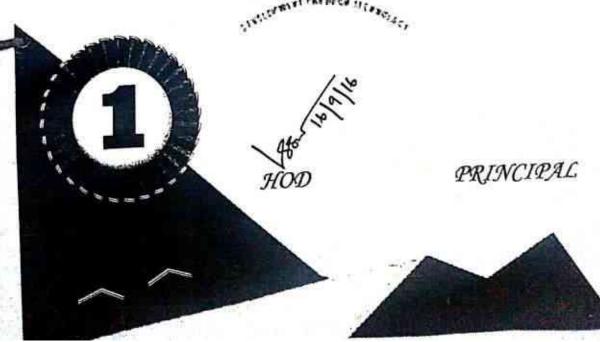
V V Nagar, Tisalyanvilai (Via), Tirunelveli District, Tamilnadu-627657

DEPARTMENT OF MECHANICAL ENGINEERING

V V YENTHIRAZ'2K16

FOURTH NATIONAL LEVEL TECHNICAL SYMPOSIUM







DMI ENGINEERING COLLEGE



Aralvaimozhi, Kanyakumari Dist.

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ASSOCIATION OF MECHANICAL ENGINEERING CLASHMECHZ-2KONE6



Prof. C. Mahil Loo Christopher HOD/MECH Dr. A. Albert Raj

Rev. Sr Xavier Selvi

DMI ENGINEERING COLLEGE

Aralyaimozhi, Kanyakumari Dist



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Prof. C. Mahil Loo Christopher

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Dr. A. Albert Raj

Rev. Sr. Xavier Selv



DMI ENGINEERING COLLEGE

Aralvaimozhi, Kanyakumari Dist.



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ASSOCIATION OF MECHANICAL ENGINEERING

CLASHMECHZ-2KONE6



| This is to certify that Mr/Ms Sanjay F |
|--|
| Final yeart of Stella Mary's College of Engineerinas wor |
| T prize in Technical Quiz held as a part of the |
| National level Technical symposium CLASHMECHZ-2KONE6 |
| on 31st August 2016. |

Prof. C. Mahil Loo Christopher

HOD/MECH

Dr. A. Albert Raj

Rev. St. Xavier Selvi

Er.E. And

DEPARTMENT OF ELECTRONICS AND COMMUNICATION EMCHANGEMENT

PASSON TECHNICAL STATEOSIUM 公司原明集会 多

This is to certify that Mr/Ms /2006/86 /

has wan second prize in 'Paper Presentation', conducted at a page.

organized by Electronics and Communication Engineering on Engine

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Kumarapuram Road,Aralvaimozhi,Kanyakumari-629301

A madonal Level TECHNICAL SYMPOSHI --

ецптел-2016

of Marie The National Level Technical Symposium **ELATES** 2K16** organised by Department of Electronics and Communication Engineering, DMI Engineering College held on August 17th, 2016.

Mrs. J. Merin Joshiba HOD,ECE Dr.A.Albert Raj

Rev.Sr.Xavier Selvi FIDMINISTERTOR



Students Achievements

Academic Year 2015-2016

| SINo | Dept | Student Name | Event | Awards | Program name | Date |
|------|-----------|--------------|---|--|---|---------------------|
| 1 | CSE | V.Anugraha | Paper presentation -Effective Machine to machine communication in Grid Networking | III Prize | Symposium, Arunachala College of Engineering for women | 16 march 2016 |
| 2 | CSE | K.Knvyn | Paper presentation -Effective Machine to machine communication in Grid Networking | III Prize | Symposium, Arunachala College of Engineering for women | 16 march 2016 |
| 3 | ECE | A.Monisha | Paper presentation -Nano Tree For Novel Energy Harvesting Technology | I prize | Symposium, Cape institute of Technology | 31 March 2016 |
| 4 | ECE | T.Sree Devi | Paper presentation | II Prize | Symposium, Rajas International Institute of Technology for women | 4 Sep 2015 |
| 5 | + MECH | G.J Anish | National Design Competition, | One among 50 Lac Participa nts | CADD Centre Training Services | March 2016 |

Dr.R. Suresh Premit Kumar, M.Z., Ph.O.

PRINCIPAL
PRINCIPAL
STELLA MARY'S COLLEGE OF ENGINEER'S GAPUTHENGSHVILM, AZHARAZ, POS. 477 277
KANYZUNARI COTAKY



CAPE INSTITUTE OF TECHNOLOGY Levengipuram-627114, Tironelveli Diet. Tornil Nockr

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| This is to certify that Mr./Ms. A Mouse | |
|--|-----------------------------|
| of Stella Marifs (allest of Engineering has won | prize in paper presentation |
| titled Al - Tree In Nevel Freque Horresting Technology | Organized by Revolutiones |
| Association of Communication Engineers (RACE) in the 10th National | onal Level Technical Sympos |
| conducted on 31st March 2016. | |

STAFF SECRETARY

PRODUCT.

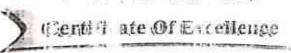
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4th S. otember 2015



This is to Certify that Miss ... The Dev

Stelia Mary's College of En; neering has won the 14 / Hardrize in Guper Presentation competition conducted in connection with the

National Level Technical Symposium 015.

Vinoth Jose Raj.E Centre Hend, Dream Z) te Nagercoil Dr.(Mrs.) K.S.Shaji Principal S.A., lay L.: le Chalcoux,

CADD Centre Training Services

No 51 One Floor, Advocate Dharmaraj Cornolex, Court Road, Napertol- 529 001, India. Phone: 04652 - 223121

To:

The Hod, Mechanical Dept. STELLA MARRYS COLLEGE OF ENGINEERING India.

Der 5-

Creens 3"

We are proof to inform you that National Design Competition has crossed 50 lakh participants across our country.

We would like to thank you and the management for providing us full support and permission to conduct first round of National Design Competition for your student.

This is to inform that out of 6 students competed from mechanical department, ONE student have got selected for Final National rounds from your college. The student name are given below

| | Mechanical | | | | |
|------|---------------------|---------------------------|--|--|--|
| S.No | Name of the Student | Yr. Dept. | | | |
| 1 | ANISH G J | 3 ^{nt} year mech | | | |

Selected students are required to attend our ANSYS one day session on 19th & 20th march 16 (9am to 4pm) @ CADD CENTRE. Nagbercoil before participation in National round.

National round has been scheduled on 25th & 26th Mar 16 @ Hyderabad .

Contestants are requested to reach above centre before with our delay.

Hearty Congratulations for the students selected for National & wishing him all very best for final rounds.

Tranking You

With Regards.

Aligusamy 9244500500 Vagercoil.

Матацет

Franchisee

: Sree Cadd Solutions Pvt.Ltd

Corporate Office

: #5, Sir P.S. Sivasamy Salai, Mylapore, Chennai- 600 004, India. Ph : 044-2499 4578 www.caddcestre.co.in

Authorised Training centre







Stella Mary's College of Engineering Anuthenmanyilar, kallukattiJunetion, AzhikalPost, Kanyakumari District. 62020;

Student Project Details

Academic Year 2016

| Departmen | Student Name | Register Number | Name of the Project | Guide Nume | Year |
|-----------|-------------------|--------------------|---|-----------------------------|------|
| CSL | Sahaya Archana .A | 96351440500 2 | A Novel Frame Work For Breast Tumor Segmentation and Classification using Extreme Machine Learning | Dr.F.R.Shmy Malar AP/CSF | 2016 |

ETELL PARTY SECONDS OF STATE AND SECONDS OF STATE A



Stella Mary's College of Engineering Annhenganvilai, kallukantilumetion. Azhikallosat. Kanvakuman District. (2020).

Student Project Details

Academic Vear 2017

| SLN 9 | Departme | Student Name | Register Number | Name of the Project | Cittide Name | Year |
|----------|----------|-------------------------|--------------------|---|---|--------|
| 1 | CSU | Antigiraha.V | 963513205003 | Weather prediction Using Big Data Assimilation | Mr.C.Senthitk umar/AP/CSI | 501 |
| | | Kavya.K. | 963513205005 | | | |
| 2 | MECH | Kast Karthikeyan,R,S | 963513114029 | Experimental Study on Steel with Metallic Filter | Mr.U.Micheal Raj-AP/MECH | 201 |
| | | Siva Balan ,5 | 963513114051 | Coating on Pandrol Clip for the Application of | | |
| | | Suresh Rajan .N | 963513114053 | Rail Transport | | |
| 3. | MECH | Abin,G | 963513114002 | Implementing Hydraulic | Mr.F.R.Rij Kumar AP MI CH | 2017 |
| | | Dhamsh Kumar,K.M | 963513114019 | System For Increasing Efficiency Ligger And Jolly In Pottery Industry | | |
| | | Jishnu Puran | 963513114026 | | | |
| | | Vishwajith:V | 963513114057 | - | | |
| 4 | HEL | V.Ahisha Reshma | 963513105001 | Single Phase Fifteen Level InverterUsing Seven Switches Towards | Mrs.A.Darcy Grana Jeglar Att 11.1 | 1249 |
| | | K.Kalpana | 963513105010 | Reduction in THD | | |
| | | P.Jamls Peter | 963513105001 | | | l vito |
| 5. | ECT | G.C.Abina | 963513106002 | Automatic Intelligent Irrigation System | Mr.V.R.Vinoj AP.ECI | 201 |
| | | M.Naveena | 963513106029 | 4 Hilliamin System | | |
| | | N.Nithya | 963513106030 | | | |
| 6. | MECSE | [⊘lul V | 963515405003 | Integration of Misaligned Image using Local Linear Model | Mr.C.Bastut Rogers/AP/CS E | .501 |



Student Penject Details

Academic Year 2018

| d No | Departmen | Student Name | Register Number | Name of the Project | Cinide Name | Top |
|-------|-----------|-------------------------|-----------------|--|--|-----------|
| 1 | USE | 1.JasmmeRajula | 963514104010 | An aggregated Data & Finergy Efficient Clustering In Wireless Sensor Network For | Mr A Schar receptor AP CSI | 2911 |
| | | Llemfer | 963514104011 | Secure communication | | |
| | | S.SahayaAswinBi nn | 963514104018 | | | |
| • | CSE | A.V.Ajini | 963514104001 | Students Attendance | Mrs.G.Jame | 2005 |
| | | Remya S.P.R | 963514104016 | Mintagement System | enaAP CSI | |
| 3 FCF | ECE | J.V.Anusha | 963514106002 | | Mr.R Selva timar AP f CL | 201 |
| | | J.AssisNevatha | 963514106005 | Real Time Implementation | | |
| | | M.R.Sowmya | 963514106014 | Of Smart Hin Using 10T | | |
| \$ | CIVIL | Bavith Nirmal Dhas.A | 963514103010 | Analysis and Design Of Conference Hall | Ms Sumith a.H.B AP CT VII. | 2013 |
| | | Sujin.K | 963514103032 | | | |
| | | Godvin Sourav.S | 963514103304 | | | |
| | | Ineyan,R | 963514103306 | | | |
| (+ | THE | Vimal Kumar M | 963514105305 | Electric Line Man Safety System With OTP Based | Mrs. A.Dare y Grana Jegha (AP1) FEF | 2003 |
| | | Almyasal | 963514105001 | Circuit Breaker And Line | | |
| | | Java Prakash | 963514105301 | Fault Detection On Distribution Lines Using | | |
| | | Anteny Ruia Gladson | 963514105002 | GSM Technique | 2000 200 | 2012 |
| 7 | MECH | P. Bharath | 963514114007 | RF sensor Monitoring | Mr.I Micha cl | Zines. |
| | | Kannan | 1/ | DER SUPPRESSON PROST | III TO THE REAL PROPERTY. | 65 303 |

| and the same | | | | | |
|--------------|----------------|--------------|-------------------------|---------|---|
| | | | | | |
| | | | Over Speed Two Wheelers | RacAPAD | |
| | L'S Faswar | 963514114011 | For Road Safety | (11) | |
| - 1 | P Jamels Peter | 963514114303 | - The sensor country | | 1 |

Dr.R. Succession of the property of the proper



Stella Mary's College of Engineering Aruthenganyilai, hallukattilimetion, AzhikatPost, Kanyakamari District 629202

Student Project Details

Academic Year- 2019

| Dept | Student Name | Register Number | Name of the Project | Guide Name | 77.7 | |
|------|--------------------|---|---|--------------------------------|------|--|
| CSL | S.Arun Kumar | Table Proposition of the Control of | 2.00 | Vinue same | Vear | |
| | S.Attin Kumar | 963515103003 | A Secure model for Privacy Preservation and Quantification using PPDP | Mr.A.Selvarcegan /AP/CSI | 2019 | |
| | R_Asore | 963515104004 | schemes | | | |
| CSE. | Navami.R | 963517405006 | Smart Home Automation and Security System using Internet of Things and Message Queuing Telemetry Transport | Mrs.S.Mamitha, AP/C SE | 2019 | |
| ECE | P.Prajo | 963515106013 | Smart Scrolling LED Display | MR.K.Gopal Ram/Ap/ECE | 2019 | |
| | R.Preetha | 963515106015 | using IOT | | | |
| EEE | D.AjithAhil | 963515105001 | Arduino Based Solar Inverter | Mr.R.Saravanan AP EEE | 2019 | |
| | S.Manikandan | 963515105017 | | | | |
| | M.Anish Bell | 963515105007 | | | | |
| | K.MoniKandan | 963515105018 | | | | |
| 111 | R.Abisha | 963515103003 | Experimental Investigation OnAxially Londed Pile Group | MRs.R.K.Madhamat hi/AP/CTML | 2019 | |
| | J.JohnAbisha | 963515103029 | Subjected to Ground Movement | | | |
| | P.ArulJothi | 963515103007 | Movement | | | |
| | H.A.Athira | 963515103301 | | | | |
| H)C | M. Abdul basith | 963515114001 | Production Of Bio-Oil From Coconut Leaf Stalk Using | S.R.Raj Kumar/AP/MECIJ | 3014 | |
| ı | M.Bala Williams | 963515114017 | Pyrolysis | | | |
| | H.R.Malathi | 963515114034 | | | | |
| | Albin.P.Alex | 9635151140 | | | | |



Department Of Electronics and Communication Engineering

Batch: 2015-2019

Project Title: Smart Scrolling LED display using IOT

Batch Member: 1, T.Mary Jenisha

2. P.Prajo

3. A.Preetha

Project Guide: Mr.K.Gopal Ram, M.E.

ABSTRACT:

In this project we proposed the overall design of Smart scrolling LED display using Arduino and IOT" with low cost and user can access multiple applications. If anyone wants to display the message they can send the message through using android phone by using this project. This project deals with advanced wireless Arduino development board. The main objective of this project is to design a wireless board that displays a messages sent from android phone user using IOT. The main controlling device of the whole system is Arduino matrix LED Display Module. Wi-Fi model are interfaced to Arduino and android development tool with APK application.

Project Guide

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On the Date of Termit (Luman, M.E., Ph.D.

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Department Of Mechanical Engineering

Batch: 2015-2019

Project Title: Production of Bio-Oil from Coconut Leaf Stalk Using Pyrolysis

Batch Member: 1.M.Abdul basith

2. P.bala williams 3. H.R.malathi

4. Albin P.Alex

Project Guide: Mr.S.R Raj Kumar, M.E.

ABSTRACT:

In this project we are going to investigate properties bio oil from coconut leaf stalk using Pyrolysis method. We are going to test the physical properties and ultimate analysis of coconut leaf stalk oil. The physical properties such as density, flash point, PH value. The ultimate analysis like carbon, sulphur, nitrogen oxygen content present in the coconut leaf stalk oil. For the extraction of oil, the slow type pyrolysis is taken account to produce the high yield of oil from coconut leaf stalk. The maximum yield of extraction of oil at the temperature range from 300° c to 500° c.

Project Guide

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Departement of Electrical and Electronics Engineering

Batch: 2015-2019

Project Title: Arduino Based Solar Inverter

Batch Member: 1. D.Ajith Akil

2. S.Manikandan 3. M.Anish Bell

4.K.Monikandan

Project Guide: Mr.R.saravanan, M.E.

ABSTRACT:

The high energy demand and the constant depletion of the fossil fuels lead us to shift our focus to renewable energy sources which are not only the future unlimited source of energy, it is also eco-friendly and viable for the environment. Solar energy is the oldest form of Renewable Energy. This paper focuses on the design of solar Inverter which is required to run AC loads which is mostly used as consumable purpose. The power output of the designed inverter is 50w. input voltage is 12V, output is 220V, 50Hz square wave output.

Project Guide

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C COLLEGE OF ENGINEER



Batch: 2015-2019

Project Title: A Secure Model For Privacy Preservation and Quantification using PPDP Scheme

Batch Member: 1. S.Arun Kumar

2. R.Asore

Project Guide: Mr.A. Selva Reegan, M.E.

ABSTRACT:

The increasing interest in collecting and publishing large amounts of individual's data to public for purposes such as medical research, market analysis and economical measures has created major privacy concerns about individual's sensitive information. Cloud storage is the fast growing trends in today's world. Every person is using cloud storage for storing their personal as well as public data's. But there is not completely assurance that the personal data's are secured and also if the data are lost or modified, it cannot be retrieved. To deal with these concerns, many Privacy Data Publishing (PPDP) techniques have been proposed. However, they lack a proper privacy characterization and measurement. Knowledge engineering is defined as the integration of knowledge into the computer systems in order to solve complex problems which normally require a high level of human expertise. Data engineering is a method which uses data as the means for understanding a particular process. The main focus is on gathering of data's from a specific region or specific place. It provides the details of the person that is suffering from disease in a region and if the researcher wants to know about and clicking on to the region where he or she wants to research on or find about the region that mostly affected by the specific disease. It helps them to easily collect the information or the disease that is recently affected and the remedy for that yet to be discovered and aid them at their research.

Project Guide

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STELLA MERY'S COLLEGE OF ENGINEETING ARUTHENGANERIC LAMBOURA POST SOLENY



Batch: 2017-2019

Project Title: Smart Home Automation and Security System Using Internet Of Things And Message

Quening Telemetry Transport

Batch Member: Navmi.R

Project Guide: Mrs.S.Mamitha, M.E.

ABSTRACT:

This project aims at a disparate approach to tackle the notion of home automation. The concept of internet of things has been embraced in order to tackle automation problem. The goal is to device a method to control the day to day household appliances in a way that is simplistic, comfortable, and easy to practice and understand by generic individuals. The availability of low cost microprocessors has been instrumental in developing this project. The salient feature of this project is granting the users complete dominion over their household appliances from anywhere in the world over the internet. The state of the appliances can be monitored and changed according to the user's necessity. By the virtue of blooming automation industry and wireless connectivity, all the devices within the home can be connected. This improves the comfort, energy, efficiency, indoor security, and cost saving of the home. Small and constrained embedded devices are used to remotely monitor the conditions within home and control the home appliances. In such case, power consumption and network handwidth become a major concern. A low power device that transmits messages through a less verbose protocol. Owing to the ubiquitous availability of WI-FI, all the appliances within home can be connected through a common gateway. This paper presents an overview of a light weight Message Queuing Telemetry Transport (MQTT) protocol. In the prototype, to implement MQTT on ESP8266- a WIFI based development board.

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DeR Surest Promit Kumas (Lauren) COLLEGI OF ENUMERING PHINCIPAL



Department Of Mechanical Engineering

Batch: 2014-2018

Project Title: RF Sensor Monitoring Over Speed Two Wheelers To Power Off The Engine For Road

Safety

Batch Member: 1. P.BharathKannan

2.U.S Easwar

3. P.Jamels Peter

Project Guide: Mr. F.MichealRaj, M.E.

ABSTRACT:

Over speed monitoring in two wheelers in automatically controlled by using RF Sensor tag with these zone. The RF Sensor receiver is attached along the with the two wheelers and RF tag with these zones. These tag programmed to send a coded signal when the reader comes in proximity. The tags are placed at the beginning and the end of the regions for which the speed should be reduced. When the two wheelers enter into the zones the receiver receive the code. So the engine power gets off automatically and the speed of the two wheelers is reduced. A new technique of read safety is described to identify the speeding vehicles.

Project Guide

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ARUTHENGAMPICAL PLANTICE POST-565 29)

RELECTION AND CONTROL POST-565 299

RELECTION AND CONTROL POST-565 299



Departement of Electrical and Electronics Engineering

Batch: 2014-2018

Project Title: Electric Line Man Safety System With OTP Based Circuit Breaker And Line Fault

Detection On Distribution Lines Using GSM Technique.

Batch Member: 1. Vimal Kumar, M

2. Abiyas, J

3.Jayaprakash

4. Antony Raja Gladson.

Project Guide : Mrs.A.Darcy Gnana Jegha, M.E.

ABSTRACT:

The electric line man safety system make use of a new concept of one time password (OTP). It is found that fatal electrical accidents to the line man are increasing during the electric line repair due to the lack of communication and co-ordination between the maintenance staff and the electric substation staff. Hence to avoid this we are implementing a password based circuit breaker. When the user put a request the system generates passwords and a relay switches to turn ON or OFF the circuit breaker.OTP plays a major role in this system . The one time passwords mean the generated passwords are different at each time. These passwords provide total control to the system to turn on or off to the supply to each line. If there is a problem in any particular section of the supply line then staff wants to turn off that line and repair it. Then the system compares the entered password with the generated passwords. If the password is matched then the supply to that line will be made OFF and the password is expired. This ensures security of the worker because no one can turn on the line without his permission. The activation or deactivation of the circuit breaker is indicating by a lamp (ON/OFF).

Project Guide

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DER Suresh Front (Jumar 1151) **GRITICIPAL** TILLA WERY'T COLLEGE OF ENGINEER 200 ARUTHENGANYILM AZGUNTAL POST-529 780 KALIFERIMARIDESTRAT



Department Of Civil Engineering

Batch: 2014-2018

Project Title: Analysis and Design of Conference Hall

Batch Member: I. A.BavithaNirmalDhas

2.K.Sujin

3. S.GodvinSourav

4. R.Ineyan

Project Guide : Ms.H.B. Sumithra, M.E.

ABSTRACT:

This project deals with the process of planninganalysis and design of a Conference hall at our college campus. The proposed site has plinth area of about 423m2. This conference hall project is a single storey building .In our building two dressing room, two rest rooms and space for accommodating more than 1000 students are provided. The plan of the structure will be default in AutoCAD. The structure is to be analyzed manually and by using Staad Pro. All the structural elements are to be designed by limit state method with the aid of Is456-2000 and SP-16. TYhe live loads are taken from Is 875-Part2-1987.

Project Guide

H.O.D

Dr.R.Suresh Fremil Kumar, M.S. Ph.D. PRINCIPAL.

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CICLLARISAT COLLEGE OF ENGINEERING ARUTHENG ARVE AL (22HOUSE POST-625 10)

KATIYANUMAFEUNTETT



Batch: 2014-2018

Project Title: An Aggregated Data & Energy Efficient Clustering In Wireless Sensor Network For

Secure Communication

Batch Member: 1. J.JasmineRajula

2.J.Jenifer

S.SahayaAswinBinu

Project Guide: Mr. A.SelvaReegan, M.E.

ABSTRACT:

Wireless sensor networks (WSNs) are resource constrained. Energy and security is one of the most important resources in such networks. In the existing methods, during the cluster formation some of the nodes are left out without being a member of any of the cluster which results in residual node formation. Such residual or individual nodes forward the sensed data either directly to the base station or by finding the next best hop by sending many control messages hence reduces the network lifetime .The proposed work, a novel routing protocol, which is called Enhanced Optimizes Energy Efficient and Reliable Routing Protocol for wireless sensor .The proposed protocol is a hierarchical one and communication based hierarchical order. In that data transmission we provide security using Rivest-Hamir-Adleman (RSA) algorithm and based on Nodal Trust. Our major goal is to achieveEnergy efficiency and secure data transmission to provide connectivity to the nodes. The Cluster Head (CH) is used, which also increases the lifetime of the network and energy consumption. The performance of the proposed work i n terms of energy consumption throughput, packet delivery ratio, and network lifetime are evaluated and compared with the existing protocols

Guide

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D.R. Butesh Protail Kumar, M.E. Ph.D. PRINCIPAL

MEAN'S COLLEGE OF ENGINEERING MULHERS - WHICH LANGUISM POST-529 202



Batch: 2014-2018

Project Title: Students Attendance Management System

Batch Member: L. A.V Ajini

2.Remya S.P.R

Project Guide :Mrs.G.Jameena,M.E.

ABSTRACT:

Over the years the manual attendance management has been carried across most of educational institutions. To overcome the problems of manual attendance, we have developed web based application "Student Attendance Management System". Student attendance management system has been developed for daily attendance of students. The system consists of three actors Admin, HOD and staff's. Admin is a super user who can edit the details of HOD, Student; Staff's etc. Staff user is able to update an attendance. It is made easy to access the attendance information of a particular student. The information regarding the attendance is sent by the staff to the admin for the respective class. The student attendance management system application is helpful in evaluating the attendance eligibility of a student for the exam. The purpose is to computerize the traditional way of taking attendance and generating of report automatically at the end or between the sessions. If facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided by the teacher for a particular class. The student attendance management system is basically a desktop application which means self contained software runs on the system on which it has been installed under the user control.

Project Guide

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Centre of Innovation

Dr.R. Suresh Francii (kunot, D.E. Pr. L DSulCPAL

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Department Of Electronics and Communication Engineering

Batch: 2014-2018

Project Title: Real Time Implementation of Smart Bin Using 10T

Batch Member: 1. J.VAnusha

2.J. AssisNevatha

3. M.R.Sowmya

Project Guide :Mr.R.SelvaKumar.M.E

ABSTRACT:

To make the cities greener, safer, and more efficient, Internet of Things (IOT) can play an important role. Improvement in safety and quality of life can be achieved by connecting devices, vehicles and infrastructure all around in a city. We present a waste collection management solution based on providing intelligence to waste bins, using an IOT prototype with sensors. It can read, collect, and transit huge volume of data over the internet. Previously, smart bins are interfaced with microcontroller system having IR wireless systems along with central system showing current status of garbage, on mobile web browser with html page by Wi-Fi. Also weight sensors have been used to trace the amount of waste in the dustbin but the output of this sensor will be in accurate. In our proposed system IR sensor and ultrasonic sensor to the smart bin. Then it is interfaced with Arduino controller. The level of the trash in the smart in the smart bin is updated to the concerned authorities

Project Guide

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Aruthenganvilai , Kallukatti Junction, Azhikal Kanyakumari District-629202

Department Of Mechanical Engineering

Batch :(2013-2017)

Project Title: Implementation Hydraulic System for Increasing Efficiency in Jigger and Jolly in Pottery

Batch Member: 1. Mr. Abin G.K (963513114002)

Mr. Dhanush Kumar K (963513114019)

3. Mr. Jishnu Puran (963513114026)

Mr. Viswajith. V (963513114057)

Project Guide: Mr. Mr. S.R. Raj Kumar

Abstract:

- Pottery is the ceramic material which makes up pottery wares of which major types includes earthenware, stoneware and porcelain.
- Pottery making is the oldest technology and this field was down due to people switch over to aluminum and plastics.
- Now due to health consciousness people again changing to pottery vessels.
- In this project we have selected pottery industry "center for social development", thalakulam
- Main objective of this project is to study the various steps involved in pottery making and energy consumption during this process.
- After studying to improve the production rate and reduce the energy consumption and man power, we introduced mechanical linkages and hydraulic system in JIGGER AND JOLLY.

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Of R. Suresh Franki Kumar, M.S. Ph.D. PRINCIPAL.



Aruthenganvilai , Kallukatti Junction, Azhikal

Kanyakumari District-629202

Department Of Mechanical Engineering

Batch (2013-2017)

Project title: Experimental Study On Steel With Metallic Filler Coating On Pandrol Clip For The Application Of Rail Transport

Batch member: 1. Kasi Karthikeyan R.S (963513114029)

2. Siva Balan .S (963513114051)

3. Suresh Rajan .N (963513114053)

Project Guide: Mr. F.Michael Raj, M.E.

Abstract:

- In Rail Transport-tracks or rail-rolled steel-asymmetrical rounded I-beams-fastening-concrete or wooden sleepers.
- In Indian railways-using-pandrol rail clip. After corrosion-very difficult to remove from sleepersdamages the sleepers.
- · In this work, the metallic powder coating-rail clip and testing process-corrosion resistance.
- It decades to improve the quality of the rail clip materials.

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Aruthenganvilai , Kallukatti Junction, Azhikal

Kanyakumari District-629202 Department Of ECE

Batch:(2013-2017)

Project title: "Automatic Intelligent Irrigation System:

Batch members: 1. G.C.Abina [963513106002]

2. M.Navcena [963513106029]

3.N.Nithya[963513106030]

Project guide: Mr . V.R.Vinoj, M.E.

ABSTRACT:

Agriculture plays a major role for food production of our country. Agriculture is depending on monsoons which are not sufficient so irrigation is used in agriculture field. Knowing when and how much to water the plant is important aspects I watering process. To make gardener work easy, the automatic intelligent irrigation system is created. This project uses Raspberry Pi, Sensors, relay boards, LCD display and GSM to watering plants automatically. The signals from sensors are processed by Raspberry Pi, Based on Signals the motor is switched ON/OFF, LCD is used to display the status of motor temperature and humidity of Irrigation Field. The GSM module provides the SMS to user about information of status in irrigation filed

Project guide

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Departement of Electrical and Electronics Engineering

Batch:(2013-2017)

Project Title: "SINGLE PHASE FIFTEEN LEVEL INVERTER USING SEVEV SWITCHES TOWARDS REDUCTION IN THD"

Batch Members: 1. AbishaReshma .V

2. kalpana .K

Project Guide: Mrs. A. Darcy Gnana Jegha, M.E.

ABSTRACT:

Nowadays multilevel inverter (MLI) technologies become extremely main choice in the area of high power medium voltage energy control. The project proposes single- phase fifteen level inverter using seven switches. Inverter is capable of producing fifteen levels of the output voltage. The configuration used in this inverter is asymmetrical configuration. Multilevel inverter output voltage level increased by using less number of switches driven by the multicarrier modulation techniques. The proposed single phase 15-level inverter is for reducing the total harmonic distortion. The switching pattern of semi conductor switches is used to improve the performance of multilevel inverter. This scheme reduces the number of switches and reduces total harmonic distortion.

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Department of Information and Technology

Batch: (2013-2017)

Project Title: WEATHER PREDICTION USING BIG DATA ASSUMPTION

Batch Member: 1.V. Anugraha

2. K. Kaviya

Project Guide: Mr. C. SENTHIL KUMAR M.Tech.,

ABSTRACT:

Big data is a term that describes the large volume of the data-both structured and unstructured. Big data assimilation (BDA) is called as "science Big data". Big data is bringing another revolution to weather prediction. As technology advance, order of data produce also advanced and the current DA and NWP systems are not designed to handle the advanced date. The proposed big data assimilation fully utilizes the big data. Big data Assimilation (BDA) will enable to rapidly update weather prediction, providing an early warning to pinpoint local sudden severe events such as termadoes, torrential rain, flooding landslides and lightning strikes. Big data assimilation for super-rapid 30-second cycle of an ensemble kalman filter aiming at local severe weather forecasting at a 100-m resolution with 30-minute lead time. The big weather data analysis helps to transform the data generated by organization into actionable information. The system is designed in such a way that every 30 sec the data scanned from the atmosphere and weather condition is predicted. The aim of this level of processing is to enhance the efficiency of weather prediction it improves public safety and big weather data is at the heart of all other futures, personal and corporate.

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Aruthenganvilai , Kallukatti Junction, Azhikal

Kanyakumari District-629202

Department Of CSE

Batch:(2015-2017)

Project title: "Integration of Misaligned Image Using Local Linear Model"

Batch member: 1. V.Ezhil[963515405003]

Project guide: Mr.C.Bastin Rogers M.E.

ABSTRACT:

We present a new image Integration Technique for a flash and long -exposure image pair to capture a dark scene without incurring blurring or noisy artifacts. Most existing methods require well aligned images for the integration, which is often a burdensome restriction in practical use. We address the issue by locally transferring the colors of the flash images using a small fraction of the corresponding pixels in the long exposure images. We Formulate the image integration as a convex optimization problem with the local linear model. The proposed method makes it possible to integrate the color of the ling exposure image with the detail of the flash image without causing any harmful effects to its contrast. where we don't need perfect alignment between the images by virtue of our new integration principle. We show that our method successfully out performs the state of the art in the image integration and referencebased color transfer for challenging misaligned data sets

Project guide

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Batch: 2016-2016

Project Title: A Novel Framework for Breast Tumor Segmentation and Classification Using

Extreme Machine Learning

Batch Member: SahayaArchana. A

Project Guide :Dr.F.R.Shiny Malar, M.tech.ph.D.,

ABSTRACT:

Breast cancer is the most often cancerous cause of death among women .It has been proved that breast cancer can be treated effectively if they are diagnosed at an early stage. Two automated methods are presented to diagnose mass types of benign and malignant in mammograms. Those are segmentation and classification. In the first stage, segmentation is done using an automated region growing and Cellular Neural Network (CNN). In the first proposed method, automated region growing whose threshold is a obtained by a trained Artificial Neural Network (ANN).In the second proposed method, Cellular Neural Network (CNN) whose parameters are determined by a Genetic Algorithm(GA). Intensity, textural, and shape features from the set of extracted features.In the next stage, ANNs are used to classify the mammograms as benign or malignant. To evaluate the performance of the proposed methods different classifiers such as random forest, native Bayes, support vector machine, and K-nearest Neighbour are used (KNN).Results of the proposed techniques performed on Mammographic Image Analysis Society (MIAS) and DDSM databases are promising. The obtained sensitivity, specificity, and accuracy rates are 96.87%,95.94% and 96.47%, respectively.

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