St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
OMR, Chennai - 119.

Staff Evaluation

(From 1st January 2021 to 15th July 2022)

Name of the staff and Designation: JAYARAMA PRADEEP, ASP

Department: EEE

SL. No.	Criterion	Range of Evaluation			Marks obtained
1.	Journal Publication (Indexed) In academic year (maximum of 45 marks) SCI - 2 (30 Marks)	15 Marks Per each SCI publication / Accepted for publication without any further review (maximum of 45 marks)	10 Marks for each Scopus publication (maximum of 30 marks)	5 marks for reviewed (maximum of 15 marks) Only with review report (SCI publication)	30
		Marks multiplied by 0.8 for second author if more than one faculty involved Marks multiplied by 0.6 for all other author if more than one faculty involved.			
2.	International / National Conference Publications Book Chapter (maximum of 5 marks) Second - 1 4+3=7 Third - 1 5 Mark.	5 Marks for any WOS/ Scopus indexed Publication			04+03 05
		Marks multiplied by 0.8 for second author if more than one faculty involved Marks multiplied by 0.6 for all other author if more than one faculty involved			
3.	Joint Publication with Students (maximum of 10 marks) 10	5 Marks Per each Scopus Journal / Conference publication (maximum of 10 marks) 2 Copies			05+05 10
4.	FDP & Workshop (During Vacation / online) (maximum of 10 marks)	10 Marks If attended 5 days	5 Marks If attended 2/3/4 days		10
5.	Online Courses (NPTEL/Swayam/NCTEI/International Universities/Coursera/Udemy) (maximum of 10 marks)	10 Marks if received one Certificate for 8 weeks course	8 Marks if received one Certificate for 4 weeks course		8
6.	FDP / Workshop/STTP/Conference Conducted DST /ATAL/AICTE (maximum of 10 marks) If conducted with a sponsorship	10 marks Rs. 50,000 and above	8 Marks Above Rs. 25,000 -	5 marks Less than Rs. 25,000 -	10
7.	Funding from Professional Societies (5 marks)	5 marks for all staff members for any funding above Rs. 15,000 (in Total)			05

140722

8.	Guided Ph.D Candidates (maximum 10 marks)	5 marks per each candidate subjected to a maximum of 10 marks as supervisor / Joint Supervisor					
	Guiding Ph.D Candidates (maximum 10 marks)	1 marks per each candidate subjected to a maximum of 10 marks as supervisor / Joint Supervisor					
9.	Funding received for Projects from govt. agencies only (Maximum 15 marks)	15 marks if funds received from DST,SERB, AICTE etc	10 Marks if funds received from AICTE MODROBS	8 marks for Funding more than Rs. 3,00,000	5 marks for Funding less than Rs. 3,00,000	3 Marks if applied for research projects	3
		More than Rs. 5,00,000					
		Same Marks for all who have involved					
10.	Mentoring students for winning the awards (maximum of 15 marks)	6 marks /each if mentored students for any International / National award Maximum of 2 considered			3 marks For TNSCST projects		12
		* AICTE HACKATHON, Lilavathy award, INAE,MSME, ISTE, IEEE etc.					
11.	Consultancy (10 Marks)	10 Marks anything 50,000 & above	6 Marks anything 25,000 and above	3 Marks anything above 10,000			00
		Same Marks for all who have involved					
12.	Students online feed back For the academic year 2021-22 (Average Theory subjects) (25 marks)	25 marks 90 and above	20 Marks 85 and above	15 Marks 80 and above	10 marks if above 75		25
13.	Patents (10)	10 Marks if granted	5 Marks if published	3 Marks if applied			10
		Same Marks for all who have involved					
14.	Various In-Charges in the Department (maximum 10 marks)	Contribution at department level as various In-Charges 10 marks					10
Total out of 200 marks							136

Please attach the proof for all the claimed parameters.

For Increment

No. of increments		1	2	3	4	5
Performance Points to be secured out of 200	AP	50 to 55	56 to 75	76 to 100	101 to 125	126 and Above
	ASP	60 to 65	66 to 85	86 to 110	111 to 135	136 and above
	P	70 to 75	76 to 95	96 to 120	121 to 145	146 and above

AP: Assistant Professor; ASP: Associate Professor; P: Professor

Total Marks Secured 138 out of 200 → 136

Signature

Note:

All faculty members have to furnish this form and submit to respective department HOD on or before Saturday 16th July 2022.

Department HOD has to verify the furnished details with attached proof and submit the same to the Principal on Monday 18th July 2022.

14.07.22

Name and signature of the HOD:

Dr. Jayarama Pradeep

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Pradeep, Jayarama

St. Joseph's College of Engineering, Chennai, India
https://orcid.org/0000-0003-0693-1503

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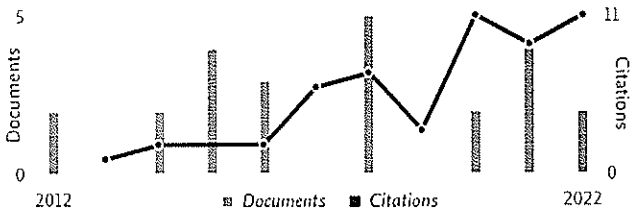

Most contributed Topics 2017–2021

DC-DC Converter; Inductors; Acceleration (Physics)
3 documents

Automation; Rubus; Household Equipment
2 documents

Electromyography; Artificial Limbs; Muscle
1 document

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Conference Paper

Improved Performance of PMSM using Tunicate Swarm optimization

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2022 International Conference on Emerging Smart Computing and Informatics, ESCI 2022, 2022

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Article · Article in Press

A new tri-source symmetric cascaded multilevel inverter topology with reduced power components

Pradeep, J., Vengadakrishnan, K., Palani, A., Sandirasegarane, T.

Circuit World, 2022

1 Citation

Show abstract · Related documents

Conference Paper

Modified Dual Input Dual Output DC-DC converter for Bladeless wind energy harvesting System

Krishnakumar, V., Anbarasan, P., Pradeep, J., Vijayaragavan, M.

12th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2021, 2021, 9425186

3 Citation

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Conference Paper

Smart LPG Cylinder Monitoring and Explosion Management System

Kumaran, M.S., Pradeep, J., Hounandan, R., Prahatheesh, B.

12th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2021, 2021, 9425101

1 Citation

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Article · Article in Press

Low-Cost Voice-Controlled Prosthetic Arm with Five Degrees of Freedom

Pradeep, J., Jamna, A., Sasikumar, R.

IETE Journal of Research, 2021

1 Citation

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Conference Paper

Comparative analysis of voltage controllers for a single stage AC-AC converter for aircraft ground power unit application

Jamna, A., Pradeep, J., Jamuna, V.

Materials Today: Proceedings, 2021, 45, pp. 2381–2390

0 Citation

Show abstract · Related documents

Conference Paper · *Open access*

Hybrid energy harvesting system using IOT

Pradeep, J., Krishnakumar, S., Sowmiya, M.

IOP Conference Series: Materials Science and Engineering, 2020, 923(1), 012077

2 Citation

Show abstract · Related documents

Article

Data logger for monitoring and control of energy consumption in residential buildings using programmable logic controller

Pradeep, J., Balasubramanian, V., Shanthi, P., Anbazhagan, A., Senthil Nayagam, V.

Journal of Green Engineering, 2020, 10(6), pp. 2547–2559

0 Citation

Show abstract · Related documents

Conference Paper

Design of ultra-lift luo converter for pumping applications

Proceedings of the International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2018, 2018, pp. 103–106, 8521602

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Conference Paper

Alleviate the voltage gain of high step-up DC to DC converter using quasi active switched inductor structure for renewable energy

5 Citation

Balasubramanian, V., Nayagam, V.S., Pradeep, J.

6th International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC 2017, 2018, 2018-January, pp. 835–841

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JP

Jayarama Pradeep

Web of Science ResearcherID ⓘ
AAH-7370-2020

Professor - Electrical and Electronics Engineering, St. Joseph's College of Engineering, Chennai, India

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX
15	11	2 ⓘ

Publications

Publications ⓘ

- (2) 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
- (2) Second International Conference on Science Technology Engineering and Management (ICONSTEM)
- (1) Circuit World
- (1) IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)
- (1) IETE Journal of Research
- (1) INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRICAL ENGINEERING AND ENERGY MAN...
- (1) IOP Conference Series: Materials Science and Engineering
- (1) International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)

(1) International Conference on Electrical Machines and Systems (ICEMS)

(1) International Conference on Emerging Smart Computing and Informatics (ESCI)

Showing 10 of 13 SHOW MORE

Publication list

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TIMES CITED

Improved Performance of PMSM using Tunicate Swarm optimization

Authors: G R Vishal; Jayarama Pradeep
Published: Mar 2022 in International Conference on Emerging Smart Computing and Informatics (ESCI)
DOI: 10.1109/ESCI53509.2022.9758351

-

A new tri-source symmetric cascaded multilevel inverter topology with reduced power components WEB OF SCIENCE

Authors: Pradeep, Jayarama; Vengadakrishnan, Krishnakumar; Palani, Anbarasan; Sandirasegarane, Thamizharasan
Published: Feb 2022 in Circuit World
DOI: 10.1108/CW-06-2021-0184

1

Low-Cost Voice-Controlled Prosthetic Arm with Five Degrees of Freedom

WEB OF SCIENCE

Authors: Pradeep, Jayarama; Jamna, A.; Sasikumar, Ramakrishnann
Published: Aug 2021 in IETE Journal of Research
DOI: 10.1080/03772063.2021.1958069

0

Smart LPG Cylinder Monitoring and Explosion Management System

WEB OF SCIENCE

Authors: Kumaran, M. S.; Pradeep, Jayarama; Hounandan, R.; Prahatheesh, B.
Published: Mar 2021 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE52255.2021.9425101

0

Modified Dual Input Dual Output DC-DC converter for Bladeless wind energy harvesting System WEB OF SCIENCE

Authors: Krishnakumar, V; Anbarasan, P.; Pradeep, Jayarama; Vijayaragavan, M.
Published: Mar 2021 in 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)
DOI: 10.1109/ATEE52255.2021.9425186

1

Comparative analysis of voltage controllers for a single stage AC-AC converter for Aircraft Ground power unit application

Authors: Jamna, A.; Pradeep, Jayarama; Jamuna, V.
Published: 2021 in Materials Today: Proceedings
DOI: 10.1016/J.MATPR.2020.10.731

0

Hybrid energy harvesting system using IOT

Authors: Jayarama Pradeep; S. Krishnakumar; M. Sowmiya
Published: Sep 2020 in IOP Conference Series: Materials Science and Engineering
DOI: 10.1088/1757-899X/923/1/012077

-

Design of Ultra-Lift Luo Converter for Pumping Applications

Authors: Emelda, V Beulin; Jayarama Pradeep
Published: Feb 2018 in International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)
DOI: 10.1109/ICPECTS.2018.8521602

-

Shunt based Active Power Factor Correction Circuit for Direct Torque Controlled PMSM Drive

Authors: Gokulapriya, R.; Pradeep, Jayarama M. E.
Published: 2017 in Third International Conference on Science Technology Engineering & Management (ICONSTEM)
DOI: 10.1109/ICONSTEM.2017.8261376

0

Alleviate the Voltage gain of High Step-up DC to DC converter using Quasi Active Switched Inductor Structure for Renewable Energy

Authors: Balasubramanian, V.; Nayagam, V. Senthil; Pradeep, Jayarama
Published: 2017 in International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)
DOI: 10.1109/ICCPEIC.2017.8290482

1

PV Based Design of Improved Positive Output Super-Lift Luo Converter

Authors: Nath, Archana S.; Pradeep, Jayarama
Published: 2016 in Second International Conference on Science Technology Engineering and Management (ICONSTEM)
DOI: 10.1109/ICONSTEM.2016.7560965

5

Design and Implementation of Wind Energy Based Improved Positive Output Super-Lift Luo Converter WEB OF SCIENCE

1

Authors: Christina, Roni J.; Pradeep, Jayarama
Published: 2016 in Second International Conference on Science Technology Engineering and Management (ICONSTEM)
DOI: 10.1109/ICONSTEM.2016.7560964

Internal Model Control of PMSM using Discrete Event System Approach WEB OF SCIENCE

0

Authors: Pradeep, Jayarama; Devanathan, R.
Published: Oct 2015 in International Conference on Electrical Machines and Systems (ICEMS)
DOI: 10.1109/ICEMS.2015.7385114

Comparative Analysis and Simulation of PWM and SVPWM Inverter Fed Permanent Magnet Synchronous Motor WEB OF SCIENCE

2

Authors: Pradeep, Jayarama; Devanathan, R.
Published: Dec 2012 in INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN ELECTRICAL ENGINEERING AND ENERGY MANAGEMENT (ICETEEEM -)
DOI: 10.1109/ICETEEEM.2012.6494517

INDIRECT TORQUE CONTROL of PMSM USING HYBRID SYSTEM APPROACH WEB OF SCIENCE

0

Authors: Pradeep, Jayarama; Devanathan, R.
Published: 2012 in IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)
DOI: 10.1109/PEDES.2012.6484348

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No: ATAL/2021/1628249070

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

This is certified that **Jayarama Pradeep, Professor** of St. Joseph's College of Engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Electric Vehicles - Research Issues and Challenges" from 23/08/2021 to 27/08/2021 at GRG Polytechnic College.

Advisor-I, ATAL Academy
Mamta Rani Agarwal

Coordinator

Certificate No: ICT/1551/21-22

National Institute of Technical Teachers Training and Research, Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

Dr. JAYARAMA PRADEEP

ST. JOSEPH'S COLLEGE OF ENGINEERING,
CHENNAI (TAMIL NADU)

Participated in AICTE recognized Short Term Course

on

Internet of Things through ICT

conducted by

Computer Science Engineering Department

from

28.03.2022 *to* ***01.04.2022*** **(One Week)**

at

St. Joseph's College of Engineering, Chennai (Tamil Nadu)

Coordinator

Director

SUNY The State University of New York

COURSE CERTIFICATE

JAYARAMA PRADEEP

has successfully completed

Solar Energy Basics

an online non-credit course authorized by The State University of New York and offered through Coursera

Neal Abrams

coursera

X

(https://swayam.gov.in)  (https://swayam.gov.in/nc_details/NPTEL)

jaya_7pradeep@yahoo.co.in

Course Progress

Jayarama Pradeep

Date enrolled: 2022-02-04

Email: jaya_7pradeep@yahoo.co.in

Name: Jayarama Pradeep

Assessment scores

Week 1 : Assignment 1: **80.0**

Week 2 : Assignment 2: **90.0**

Week 3 : Assignment 3: **90.0**

Week 4 : Assignment 4: **90.0**

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All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

SPICES - Sanction Letter

F.No. 10-217/AICTE/IDC/SPICES/2020-21 Dated: 05.03.2021

To

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070.

Subject: Release of a sum of Rs. **1,00,000/-** (Rupees One lakh only) as Grant-in-Aid under **AICTE-SPICES** for the year 2021-22 payable during the current financial year 2020-21 reg.

Madam/Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. **1,00,000/-** (Rupees One lakh only) to support the student club/chapter/society **(hereinafter referred to as 'Club')** under the **"Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES)"**, as per details given below:

1.	Name and address of the Beneficiary Institute:	**ST. JOSEPH'S COLLEGE OF ENGINEERING, JEPPIAAR NAGAR OLD MAMALLAPURAM ROAD, CHENNAI, 600119, KANCHIPURAM, Tamil Nadu**
2.	Permanent ID of Institute:	1-434630173
3.	Name of student club:	Cognizant Club
4.	Name of Coordinator:	**Dr. Chandrasekar A**
5.	Name of Co-coordinator	Jayarama Pradeep
6.	Grant-in-aid Sanctioned:	Rs. **1,00,000/-** (Rupees One Lakh only)
7.	Amount to be released during the year 2020-21	Rs. **1,00,000/-** (Rupees One Lakh only)
8.	Sanctioned grant-in-aid is debitable to:	**Major Head 602.22 (a) General (Non-Plan Head)**

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education, New Delhi on the Grant-in-aid bill and shall be disbursed to and credited to the account of Registrar/ Director/ Principal of the institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the Scheme as already communicated and also being communicated in this letter.

The instructions/ guidelines to be followed by college/institution

I. Release of funds

a. The Principal/ Director of the institute and the Coordinator of the student club is hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them alongwith the proposal, against which the grant is being released.

RERSOURCE PERSONS

1. Dr. S. Jeevananthan
   Professor/EEE
   Pondicherry Engineering College
2. Dr.V.Karthikeyan
   Associate Professor/EEE
   NIT,Calicut
3. Dr.Asha Rani
   Assistant Professor/EEE
   NIT, Silchar, Assam
4. Dr.M. Balaji
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5. Mr.R.Krishnamoorthy
   Exe.Engineer IT
   TANGEDCO,Chennai
6. Dr.K.Premkumar
   Associate Professor/EEE
   Rajalakshmi Engineering College
7. Dr.Rajesh Kumar
   Professor/EEE
   Malaviya National Institute of Technology Jaipur
8. Dr.N.C.Lenin
   Deputy Director ,Electric Vehicle –Incubation,
   Testing and Research Centre,
   VIT,Chennai
9. Dr.D.Harimurugan
   Assistant Professor/EEE
   NIT, Jalandhar
10. Dr.S.Pragaspathy
    Professor/EEE
    Vishnu Institute of Technology, JNTU
11. Dr.A.Athif Shah
    Managing Director & Chairman
    ABE Semiconductor Design, Chennai
12. Mr.V.Selvagnesh
    Eectrical Project Engineer, Total Plant
    Engineering & Design Pvt., Ltd, Madurai
13. Mr.K. BalaMurali.
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Dr. N. Arun Kumar
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Dr. T. V. Narmadha M.E., Ph.D.,

COORDINATORS

Dr. Jayarama Pradeep M.E., Ph.D,
Dr. M. Venmathi M.E.,Ph.D.,

CO-COORDINATORS

Dr.V.KrishnaKumar
Dr.P.Anbarasan

For Further Correspondence Contact

The Coordinator
Department of EEE
St. Joseph's College of Engineering,
OMR, Chennai-119,
Tamilnadu.
Mobile : +91 9944987543, +91 9841978226

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Electrical and Electronics Engineering
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St. Joseph's Group of Institutions
OMR, Chennai -119
http://www.stjosephs.ac.in

ABOUT THE INSTITUTION

St. Joseph's College of Engineering is a highly reputed educational institution located in Chennai, India. It was established in 1994 on a sprawling campus at Rajiv Gandhi Salai (OMR). The Institution offers 10 B.E./B.Tech. degree programs and 6 PG programs. It has gained high reputation in the society over the past two decades through academic excellence testified by the number of university ranks and research work. The Institution has consistently stood top among colleges affiliated to Anna University, Chennai. National Institutional Ranking Framework (NIRF) by MHRD, Govt. of India has ranked our college among the top 200 Institutions in India.

DEPARTMENT OF EEE

The Department of Electrical and Electronics Engineering since its inception in 1996 has consistently brought laurels to the college. The department has reached yet another milestone by being accredited by NBA since 2003. Our department has been enriched with well planned & sophisticated laboratories to fulfill our student's educational & industrial needs. The department faculty members besides teaching are involved in many activities like continuing education, technical consultancy and research & development and student guidance. We have 30 faculty members to guide our students and perform their best. The Department has signed MoU with Nuvoton Technology Corporation, TRANSUN, NIYATA Technologies, SANDS Signals and Ltd., CDCE Automation, NSIC Ltd, BSNL, ARM, TIAS and EMCOG Solutions. The department also has formed three IEEE students chapter Technical society and one affinity group.

VISION OF THE DEPARTMENT

To promote the department of Electrical and Electronics Engineering as a pioneer in education and research by imparting quality education, creating and upgrading the academic facilities and inculcating professional values to the students to face the challenges in the dynamic global society.

MISSION OF THE DEPARTMENT

- To attain utmost qualities of teaching-learning process and provide a vibrant environment for the students to exhibit their fullest potential in the field of Electrical and Electronics Engineering.
- To improve research and development skills among students towards providing technical solutions with ethical values to meet social challenges.
- To develop the students to face the technological requirements of the industry with professional values and make them employable and to impart the spirit of entrepreneurship for their successful career.

ABOUT THE WORKSHOP

Renewable energy also helps conserve the nation's natural resources. Renewable energy provides reliable power supplies and fuel diversification, which enhance energy security and lower risk of fuel spills while reducing the need for imported fuels. Renewable energy also helps conserve the nation's natural resources. In recent years, renewable energy resources are utilized to meet the growing energy demand. The integration of renewable energy resources with the grid incorporates power electronic converters for conversion of energy. Renewable energy sources used in small-scale distributed generation systems are a promising alternative for additional energy supply toward smarter and more sustainable cities. However, their proper integration as new infrastructures of the smart city requires understanding the smart city architecture and promoting changes to the existing regulation, business models, and power grid topology and operation, constituting a new challenging energy supply paradigm. The integration and impact of distributed renewable energy generation and storage technologies will be discussed. The grid topology for their technical and efficient integration and to the business models for facilitating their economic integration and feasibility.

KEY CONTENT

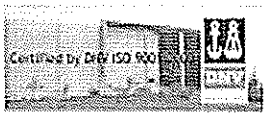
- Introduction to sustainable energy sources
- Renewable Energy sources & storage system
- Grid integration of Renewable Energy systems
- Smart grid &Distributed Generations
- Computational Modeling of Systems
- Advanced control technologies for grid integrated system
- High Performance Computing for Smart Grid Applications
- Overview of Artificial Intelligence Techniques in Renewable Energy Systems
- MatLab Implementation of Solar PV system for smart cities
- Future scope of smart cities
- Stress Management-Art of Living

ELIGIBILITY

Faculty members from all departments of Engineering, Polytechnic Colleges and Research scholars are eligible to apply.

REGISTRATION

There is no registration fee. Interested participants can register through ATAL website.
https://www.aicte-india.org/atal



Mr Sreekanth R <sreekanthr@stjosephs.ac.in>

PROCESSED - RAS Grant: St. Joseph's College of Engineering, RA24

IEEE Madras Section IEEE Madras Section <ieeemas@gmail.com> Fri, Jan 21, 2022 at 4:26 PM
To: Mr Sreekanth R <sreekanthr@stjosephs.ac.in>

Dear Sir,

We have transferred Rs.1,18,864/- to your student branch account towards **IEEE RAS Chapter Initiative** grant.

Kindly acknowledge receipt of the same.

Thanks,
Rohini
[Quoted text hidden]

You Choose, We Do It

St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions

Jeppiaar Educational Trust

OMR, Chennai - 119.

Dr. VADDI SESHAGIRI RAO, M.E., M.B.A., Ph.D.
Principal

Endorsement from the Head of the Institution of PI

This is to certify that:

1. Institute welcomes participation of Name: **Dr. Jayarama Pradeep** Designation : **Professor** as the Principal Investigator and **Dr.V.Krishnakumar** as the Co- Investigator/s for the project titled **SMART ENERGY MANAGEMENT SYSTEM, LOAD FLOW FOR BUILDINGS USING IOT** and that in the unforeseen event of discontinuance by the Principal Investigator, the Co-Investigator will assume the responsibility of the fruitful completion of the project with the approval of SERB.

2. The PI, **Dr. Jayarama Pradeep** is a permanent or regular employee of this Institute/University/Organization and has **15** years of regular service left before superannuation

3. The project starts from the date on which the University/Institute/ Organization/College receives the grant from SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.

4. The investigator will be governed by the rules and regulations of University/ Institute/Organization/College and will be under administrative control of the University/ Institute/Organization/College for the duration of the project.

5. The grant-in-aid by the SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi will be used to meet the expenditure on the project and for the period for which the project has been sanctioned as mentioned in the sanction order.

6. No administrative or other liability will be attached to SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi at the end of the project.

7. The University/Institute/Organization/College will provide basic infrastructure and other required facilities to the investigator for undertaking the research project.

8. The University/ Institute/Organization/College will take into its books all assets created in the above project and its disposal would be at the discretion of SCIENCE & ENGINEERING RESEARCH BOARD (SERB), New Delhi.

9. The University/ Institute/Organization/College assumes to undertake the financial and other management responsibilities of the project.

Signature

Seal of

University/ Institute/Organization/College

Registrar of University/Head of the Institute/ Head of organization/Principal

PRINCIPAL
ST. JOSEPH'S COLLEGE OF ENGINEERING
(A CHRISTIAN MINORITY INSTITUTION)
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OLD MAMALLAPURAM ROAD,
CHENNAI-600 119.

Date: 06-03-2021

ST. JOSEPH'S COLLEGE OF ENGINEERING CHENNAI 600 119

We prepare for Cambridge English Qualifications

IEEE

Priyanka J <priyankajayakumar@ieee.org>

Eu-Reka 2021 Results

1 message

Nupur Kulkarni <nupursdkulkarni@gmail.com> Sun, Nov 21, 2021 at 11:19 PM
Cc: Mani GS <gsmanihome@yahoo.com>, Mohammed Athar Rangila <mohammedatharrangila@gmail.com>
Bcc: priyankajayakumar@ieee.org

Dear Participant,

Your team has been adjudged as a Prize winner of Eu-Reka 2021!
Hearty congratulations to you and all your team members.

I am sure you and your team members have worked hard and contributed towards fulfilling the aims and objectives of Eu-Reka-2021.All of you must feel proud of your achievement in this Nation-building activity. The impact created by you has indeed created a big difference in the young minds and we hope that you continue doing so by participation in similar socially-relevant events being conducted by IEEE.

We would appreciate sharing your experiences about the event and how it can be improved. On that note, as coordinator of the Eu-Reka organization committee, I invite you to the valedictory ceremony of Eu-Reka 2021 on Friday, 26 November, 2021 at Hotel President, Prabhat Road, Pune at 6:45 pm. We plan to announce the results officially during the event. Mr. Deepak Mathur, Director, IEEE Asia-Pacific Region has kindly agreed to preside over the function and give away the prizes. (Flyer attached)

We at IEEE Pune Section believe that Recognition is the biggest motivator and hence we would want you to join us for the valedictory ceremony and it would be our great pleasure to appreciate you in person! However, if you are not able to do so, you may join virtually through the link, which will be provided to you.

You may like to acknowledge receipt of this letter and provide information about your joining the valedictory ceremony on November 26th, 2021.

[This letter is for you and for your team-mates to make travel arrangements. The official list of prize winners will be announced during the valedictory ceremony]

With best wishes

Prof GS Mani
Coordinator, IEEE Eu-Reka 2021
Former Chair, IEEE Pune Section
Former Dean & Director, DIAT, DRDO, Pune
Tel: +91-20-26836661 / (91) 9823069430
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SSR, IEEE Pune Section
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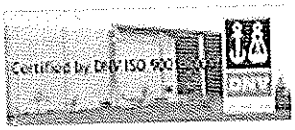
Valedictory Flyer.pdf
227K



Mr Sreekanth R <sreekanthr@stjosephs.ac.in>

SPF Prize amount - reg.

1 message

IEEE Madras Section IEEE Madras Section <ieeemas@gmail.com> Mon, May 10, 2021 at 5:58 PM
To: Mr Sreekanth R <sreekanthr@stjosephs.ac.in>
Cc: jayapradeepkp@gmail.com, prahatheeshbalu@gmail.com, mskumaran55@gmail.com, hounandanofs@gmail.com

Dear Sir,

We wish to inform you that, today we have transferred Rs.15,000/- to your student branch account towards Student Project funding prize amount for the below project:

Project Title	Student Details	
Savvy Forecast LPG Observing and Explosion Management	1	Hounandan R
	2	Kumaran MS
	3	Prahatheesh B

Kindly acknowledge receipt of the same.

Thanks,
Rohini

IEEE Madras Section
Room No. 3, ISTE Professional Centre,
Gandhi Mandapam Road,
Chennai - 600 025
Phone: +91 (044) 24423939

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
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(43) Publication Date : 30/07/2021

(54) Title of the invention : ULTRA FAST WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLE LITHIUM ION BATTERIES

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(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)Mr.V.BALASUBRAMANIAN
4)Dr.A.JAMNA
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6)Ms.R.G. NIRMALA
7)Ms.S.P.VEDAVALLI
8)Ms.S.GOMATHI
9)Ms.M. NIVETHITHA DEVI
10)Dr.S.MEENA
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10)Dr.S.MEENA

(57) Abstract :
ABSTRACT The recent advancement in simulation speed and magnetic field capacity, and power electronics has significantly boosted the field of wireless power transfer. Electric vehicles are expected to replace internal combustion engine-driven vehicles in the transport sector due to their lower carbon emissions and greater use of alternative energy. However, in terms of weight, bulk, and driving distance, electric vehicles have several issues to contend with. This invention introduces the dynamic on-road wireless charging system, known as OLEV, for electric vehicles. Conductive, stationary, dynamic, and slow are terms that describe electric vehicle charging technology. This is a description of a system in which a range of 100 kW of power capacity and wireless dynamic, fast charging are all implemented simultaneously. Other areas mentioned in this new invention include the design concept, system architecture, and development process of optimizing the magnetic flux field for increased power transfer efficiency. Regarding their development concept and practical feasibility, the dynamic charging technology is also compared to the stationary conductive charging technology for electric vehicles. The movable arm attached to the bottom of a vehicle transfers energy from two rails of rail in the road via a moving arm. Similar to a Scalextric track. However, the arm will disengage if the vehicle passes.

No. of Pages : 24 No. of Claims : 5

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Form 21

General Power of authority to agent

(Section 43)

In connection with Filing, Prosecution and Registration of Design Application,

We,

Applicant (s)	Nationality	Address
Dr.Jayarama Pradeep	Indian	Department of Electrical and Electronics Engineering, St.Joseph's College of Engineering, Chennai-119. Tamilnadu
Dr.V.Chamundeeswari	Indian	Department of Electrical and Electronics Engineering, St.Joseph's College of Engineering, Chennai-119. Tamilnadu
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Dr.M.Anitha	Indian	Department of Electrical and Electronics Engineering, St.Joseph's College of Engineering, Chennai-119. Tamilnadu

, hereby authorize

Saurabh Kumar Jain (IN/PA-3637), having address at F-440, Delta-1, Greater Noida, UP- 201310, India.

to act as my or our agent and to appoint a substitute or substitutes as and when necessary to receive all notices, requisitions and communications until further notice and to appoint a substitute or substitutes as and when necessary.

And we revoke all previous authorizations, if any, in respect of the same matters or proceedings given by us.

Dated this ..... Day of..... 2022.

Signature

Name Dr.Jayarama Pradeep Dr.V.Chamundeeswari

Signature

Name Dr.A.Jamna Dr.M.Anitha

To

The Controller of Designs,
The Patent Office, Kolkata.

Controller General of Patents, Designs & Trade Marks
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[See Rule 22(1)]
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Date/Time 19/06/2022

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2	366342-001		1000	202880	FORM 1	SOLAR CHARGING STATION FOR E-VEHICLE
3	[redacted]				1	CONTROL [redacted]
4	[redacted]					[redacted] BIOMETRIC ATTENDANCE SYSTEM [redacted]

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