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# MECHANICAL ENGINEERING



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This is to certify that the paper titled..... WEB APPLICATION USING LOGIC BASED PATH PLANNING (LAPP) ALGORITHM FOR LIBRARY SYSTEM.....

authored by ..... SAGAR SHIVPRITRA AJANAIKAR, H. S. JOSHY..... from

..... DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE.....has been adjudged for the outstanding

Paper Award in the “**First International conference on Robotics, Intelligent Automation and Control Technologies (RIACT 2020)**” organized by **School of Mechanical Engineering, Vellore Institute of Technology, Chennai** on 2<sup>nd</sup> and 3<sup>rd</sup> October 2020.

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Thank you.

Best regards,

Ms. Narmatha Manokaran (Editor in Chief)

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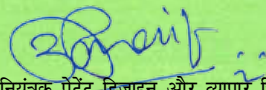
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# COMPUTER ENGINEERING

— STES's —



**SMT. KASHIBAI NAVALE COLLEGE OF ENGINEERING**

S. No. 44/1, Vadgaon (Bk), off Sinhgad road, Pune- 411 041, MH, India



**4<sup>th</sup> International Conference of Ideas, Innovations, Impact in  
Science and Technology**

*Organized By*

**Department of Electronics and Telecommunication Engineering  
& Department of Mechanical Engineering**

**BEST PAPER AWARD**

*Presented By*

***Anjali S. More and Dr. Dipti P. Rana***

*For an outstanding presentation of the paper entitled*

***Performance Enrichment through Parameter Tuning of Random Forest Classification for Imbalanced Data Applications***

*in the "4<sup>th</sup> International Conference of Ideas, Innovations, Impact in Science and Technology"  
organized by Smt. Kashibai Navale College of Engineering Pune, held on 17th June 2021*

**Dr. S.K. Jagtap**  
Convener & Head, E&TC Dept

**Dr. N. P. Sherje**  
Convener & Head, Mech Dept

**Dr. K.R. Borole**  
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B.E. M.E (Computer Engg.) Ph.D.  
PRINCIPAL

Ref:- SKNCoE/Mech/ ICHIST-2021 / 2020-21 /

Date:- 14/06/2021

To,  
**Mrs. Anjali Manojkumar Dalvi,**  
**HOD, SRTTC, Kamshet,**  
**Pune**

**Subject:** Invitation as a Session Chair for “4<sup>th</sup> **International Conference on Ideas, Innovation, Impact in Science & Technology**” organized by Mechanical and E & TC Engineering Department of SKNCoE, Vadgaon (Bk), Pune on 17/06/2021 (Thursday) at 11:00 am using online platform.

**Respected Sir,**

Sinhgad Technical Education Society's Smt. Kashibai Navale College of Engineering, Vadgaon (Bk.), Pune was established in 2001 and has become synonymous with high Quality Engineering Education. Sinhgad Technical Education Society was established in the year 1993 by Prof. M. N. Navale with the aim of imparting Quality Technical Education. More than 70 model Institutions under the society, are catering to multifarious disciplines, bear shining testimony to the magnitude of Prof. M. N. Navale's vision and relentless pursuit for excellence.

The college offers under graduate programs in Mechanical Engineering, Electronics and Telecommunication, Information Technology and Computer Engineering and post graduate programs in Signal Processing, Computer network and Business Administration (MBA).

We, Mechanical and E & TC Engineering Department of SKNCoE, Vadgaon (Bk), Pune, are organizing 4<sup>th</sup> International Conference on “**Ideas, Innovations, Impact in Science & Technology**”. Due to the evolving situation of coronavirus (COVID-19), and following the best practices outlined by the World Health Organization (WHO) and local authorities, we decided to host the conference online on 17/06/2021 (Thursday) at 11:00 am using online platform.

We request you to be a part of this conference by becoming a **Session Chair**. Your experience and graceful presence at the event will be a great source of inspiration for the participants. Detailed schedule will be shared with you at the earliest.

We would like to avail your permission for the same.

Thanking you in anticipation

Yours Sincerely,

Dr. N. P. Sherje,  
Convener and HoD,  
Mechanical Engineering Department  
SKNCoE, Pune



**JSPM's**  
**RAJARSHI SHAHU COLLEGE OF ENGINEERING, TATHAWADE, PUNE**

(An Autonomous Institute Affiliated to SPPU)  
Approved by AICTE, Accredited by NBA (UG Program)  
Accredited by NAAC with "A" Grade, MHRD-NIRF Rank: 201-250



**FIRST IEEE INTERNATIONAL CONFERENCE**

on

**COMPUTING COMMUNICATION AND GREEN ENGINEERING-2021 (CCGE'21)**

23<sup>rd</sup> - 25<sup>th</sup> September 2021

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RAJARSHI SHAHU COLLEGE OF ENGINEERING, PUNE



# Certificate



## OF APPRECIATION

Gratefully Presented to

**Dr. Anjali More**

As a Technical program committee member at First IEEE International Conference on Computing, Communication & Green Engineering-2021 (CCGE'21) organized by JSPM's Rajarshi Shahu College of Engineering, Pune during September 23<sup>rd</sup> - 25<sup>th</sup>, 2021, in recognition of valuable contribution .

Dr. Tanuja Dhope  
Technical Program Chair

Dr. Shailaja Patil  
Organizing Chair

Dr. A. S. Devasthali  
Deputy Director

Dr. R. K. Jain  
Director, General chair

(54) Title of the invention : HYBRID SOLAR MOBILE CHARGER USING IOT

(51) International classification :H02J0007000000, H02J0007350000, H02S0040440000, H02J0007340000, H01L0051420000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

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

(62) Divisional to Application Number :NA  
Filing Date :NA

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## (57) Abstract :

The hybrid solar mobile charger is an innovative device that combines solar energy and Internet of Things (IoT) technology to create a gadget that can recharge mobile phones and other small electronic devices. It features a solar panel that captures sunlight and transforms it into electrical energy, which is then stored in a rechargeable battery for later use. This ecofriendly device can be a lifesaver in areas with limited access to electricity, especially during outdoor activities like camping or hiking. Additionally, in disaster-prone areas, the device can provide reliable access to charging capabilities during power outages or other emergencies. The hybrid solar mobile charger using IoT is an innovative invention that offers a practical, sustainable, and user-friendly solution for charging electronic devices. It is an appealing and promising choice for people and communities looking for simple and sustainable ways to recharge their gadgets because of its use of solar energy and IoT technology, which offers various advantages over conventional chargers.

No. of Pages : 12 No. of Claims : 5