Online

National Conference on Cognitive Computing (NCCC-2021) June 28-30,2021



Sinhgad Technical Education Society's
Sinhgad Technical Institutes Campus,
NBN Sinhgad School of Engineering,
S. No.: 10/1, Ambegaon (BK). Pune—411041
Ph. Nos.: 020-24355046 / 24355042



ABOUT STES

It is rightly said that "Where there is vision, there is direction". Sinhgad Institutes dream stems from the great Vision of our Founder President, Hon'ble Prof. M. N. Navale, which is to see each one of you emerge as a creator, a leader and an innovator.

ABOUT NBN STIC

NBN Sinhgad Technical Institutes Campus (NBNSTIC) established in the year 2011 under the umbrella of Sinhgad Technical Education Society (STES), provides four years UG program in Mechanical Engg., Electrical Engg., Electronics and Telecommunication Engg., Computer Engg. and Information Technology. It also provides two years MBA program. The main focus is on developing excellent academic environment to integrate social

CONFERENCE INFORMATION

Conference focus will be on latest trends on smart computing, new trends in smart city, robotics, Artificial Intelligence (AI), Internet of Things (IoT), Augmented Reality and Virtual Reality, e-Vehicles, security and surveillance, smart manufacturing and industrial automation. This conference will provide a platform for prospective engineers to show-case their work on hardware as well as software things in the field of engineering and management.

CONFERENCE TRACKS and AREA

- Smart Technology: IoT/ Smart Vehicle, Smart Communication, Robotics, web & mobile application and cloud computing
- * Green Technology: Renewable Energy, Smart Agriculture, waste management, clean water management, Smart City and sustainable environment
- Smart Computing: AI/ML, Data Science and Analytics and Image Processing
- * Security and Surveillance: Cyber Security, Blockchain and Video Surveillance
- Interdisciplinary Aspects: Industry 4.0,E-Vehicles, Mechatronics, Smart Factory, Smart Sensors, Healthcare and biomedical, Financial Management, Recent trends in marketing and HR

IMPORTANT DATES

Particulars	Date	Particulars	Date
1. Paper Submission Starts	May 22,2021	3. Full Paper Submission	June 10, 2021
2. Acceptance / Notification	May 30, 2021	4. Registration	June 16, 2021

CONFERENCE GENERAL CHAIR

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Sinhgad Institutes, Pune



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Dr. (Mrs.) Sunanda Navale Founder Secretary



Mr. Rohit Navale Vice President (HR)



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ACCOUNT DETAILS

Name of the Account: NBN Sinhgad Technical Institutes Campus
Branch: Vadgaon (Bk), Pune Account Number: 6675755279

Name of the Bank: Indian Bank Publication Charges:- Rs. 400/- (Per Paper)

IFSC Code: IDIB000V104

Type of Account: Current

PAPER PUBLICATION

Industry Professionals, Academicians, Researchers, and students are invited to submit full papers through the conference registration link. Participants shall also submit the paper on nbn.nccc21@gmail.com. Maximum Length of paper should be less than 6 pages.

Accepted and presented papers will be considered for publication in Journal of Science and Technology (JST). For Scopus / Web of Science the authors need to pay additional fee as per the requirement.



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Domain: D5 (Interdisciplinary Aspects)

Session 2: Date: 28/06/2021 (Monday) Time: 12.30 pm to 2.45 pm

Conduction: Prof. S. Y. Tamboli (ENTC) Evaluation: Prof. M. M. Joshi (Mech)

Session Track Video link:

 $\underline{https://drive.google.com/file/d/1U1OHTOdgGLcE6L87k7AuPn79xyfUFpQR/view?usp=sharing}$

D5 interdisciplinary aspects session:

Paper ID:119,14,17,26,25,36,37,41,48 authors were to present their innovative ideas useful for the society.

In this session, how to use NFC sensor from Android mobile for smart and flawless attendance system(paper ID:119), use of Lithium ion battery in self charging electric bike(paper ID:14), use of MQ7 sensor and UV sensor for measurement of CO emission and to measure petrol level respectively in automobiles(paper ID:17), use of composites in pin joints and related FEA work(paper ID:25), automatic exterior wall painting machine(paper ID:37), automation in packaging machines for bottles(paper ID:41) were the interdisciplinary areas which were discussed by the participants.

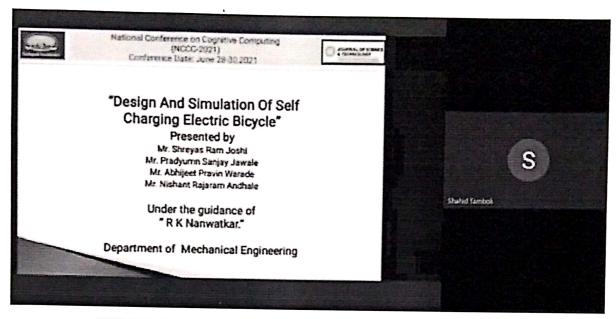
According to the evaluation of reviewers, paper ID:48: Design and analysis of 4 wheeled electrically powered mobility vehicle was found to be the best. Here, the need of physically impaired patients was addressed with an electric 4 wheelers which was ergonomically designed. Suspension system, ergonomic design, use of modern electric 4 wheeler and utility of this work for physically challenged patients were striking features found

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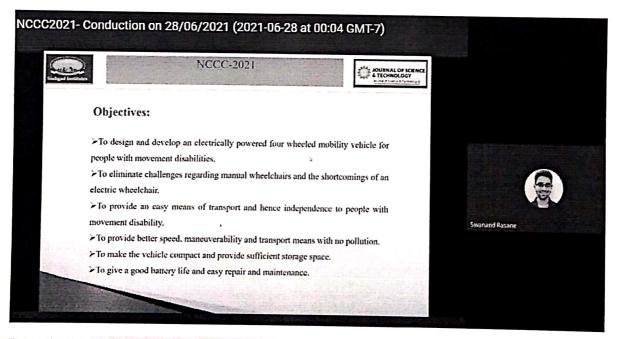
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Session 2 photographs



Paper ID 14: Design and Simulation of Self Charging Electric Bicycle



Paper ID 48: Design and Analysis of Four Wheeled Electrically Powered Mobility Vehicle

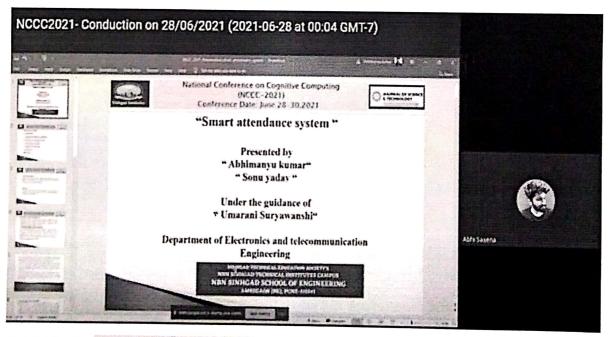


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Paper ID 48: Actual model of Four Wheeled Electrically Powered Mobility Vehicle



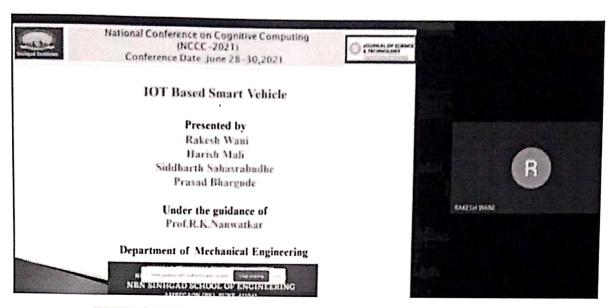
Paper ID 119: Smart Attendance System



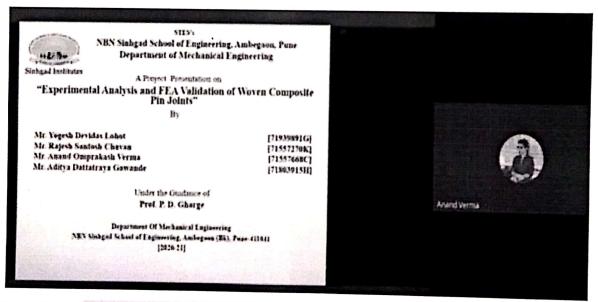
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Paper ID 17: IOT Based Smart Vehicle

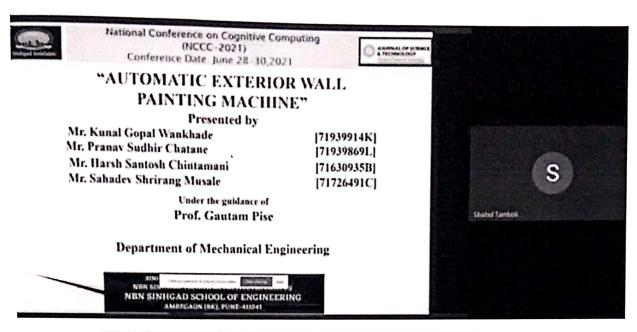


Paper ID 25: Experimental Analysis and FEA Validation of Woven Composite Pin Joints

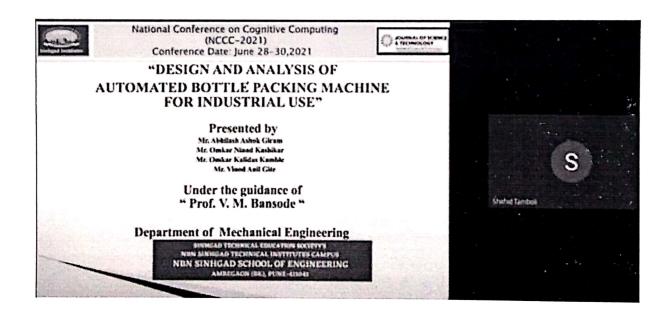


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Paper ID 37: AUTOMATIC EXTERIOR WALL PAINTING MACHINE



Paper ID 41: Design and Analysis of Automated Packaging Machine for Industrial Process of Bottles



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