

## Admin Related Info Sharing in Engineering

**Vol 4**

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**Issue 4**

### Recognition 1 – SSN Wins Performance Challenge Award from IGBC – CII



Indian Green Building Council had rated our Campus with the highest rating of Platinum.

We were invited to receive the award in the IGBC conference, conducted during Nov 24-27

All over India, several Industries and Institutions have been rated for their sustainability efforts.

- Among those who have qualified, 14 organizations were shortlisted to compete for the Performance Challenge Award, on the Third Day.
- The team of VEA / Shivkumar / Shenbagaraman, presented SSN's efforts in sustaining the Green Performance.
- SSN and IIT Madras, were the only two campuses, awarded "Excellence Award" for Performance Challenge, in Campus Category.

## Recognition 2 – SSN granted two patents



The team of Dr. Ramaprabha, Dr. M. Balaji, Prof. Kamaraj and three UG students have been granted a patent [on Nov 23, 2023], for their invention of "A Solar powered compact dust bin assembly". Application was filed in Feb 2022. This is the **twelfth patent for SSN**.



Dr. S. Suresh Kumar and his student team got a patent granted [30/11/2023] for Development of car stability control mechanism. Application was filed in April 2021.

This invention is to protect the car occupants during tyre blowout condition. This is the **13<sup>th</sup> patent for SSN**.

## Recognition 3 – Prof. Seyezhai wins Best Teacher Award

**Dr. R. Seyezhai, Prof, EEE** received the “**Nanneri Teacher Award - 2023**” for her contribution to teaching & Research. This was awarded by Tamil Literary Club, Madurai, Arunachala Educational Trust and Acharya Engineering College, Pondicherry.

A **certificate** was also awarded signed by **Chief Minister, Pondicherry**. The award ceremony took place at Acharya Engineering College, Pondicherry on 08.11.2023.

Around 10 college teachers from different domains and regions were awarded during the felicitation.



## Recognition 4 – SSN wins in National Games



Benediction Rohit (II Yr Civil,) International Swimmer, had secured two silver and one bronze medal, in the 37<sup>th</sup> National games 2023 held at Goa from 29.10.23 to 04.11.23.

## Recognition 5 – SSN Team wins National Solar Competition

Smithaa M, Sangamithirai, S, and T D Saraswathy, pre final year students of EEE, won the First prize and Rs.2 lakhs in the National Solar Competition. They write...

“ SEPA is a Non-Profit, Non-Govt, Industry-led and Industry managed organisation and looks to create a Technological and demographically inclusive movement that seeks to achieve its aims that are in sync with the Nation's Sustainable Development Goals. As part of the national event, 'Sustainable India 2023', SEPA orchestrated a national solar competition in 2023 open to students from universities and various institutions nationwide.



The 'Sustainable India 2023' inauguration was graced by Shri Nitin Gadkari, Minister of Road Transport and Highways, Govt of India. Our team secured first place and received a Rs. 2 lakh cash prize from the minister. The event drew industrial and academic experts, concluding with informative technical talks and panel discussions. It was a valuable platform for learning and collaboration towards a sustainable future.”



## Recognition 6 – SSN MUN team awarded as Best Delegation

VIT School of Law conducted MUN on the 3rd and 4th of November, 2023 titled, Vitness Leadership Summit (VLS). A total of 300+ delegates across colleges like HITS, VITC, KCG, SVCE and VITV attended. 45 students from our college attended it. Our students won many awards and several of them chaired sessions as well. Overall, our students won the Best Delegation award.

## Recognition 7 – SSN IT Team wins National Level Hackathon

Prof Shahina, HoD IT writes..



I am delighted to share with you the continuing success of Team Yukthi, composed of Sasmitha, Nithish, Prithik, and Sujay of III Year IT,. This team has won the second place among the finalists, winning a cash prize of Rs. 15,000 in the VEC National Level Hackathon in Telangana, having already won the 7th place in another prestigious hackathon, the PSGiTech Hackfest in Coimbatore.



Team Yukthi winning at VEC National Level Hackathon in Telangana

Their winning project was: Building "Arivagam," a revolutionary online educational web platform that

- a) symbolizes a vision for equal access to education, catering to diverse groups such as native speakers, typical students, individuals with dyslexia, and those with hearing impairments, and
- b) empowers housekeepers to facilitate improved learning opportunities for their children.

## Recognition 8 – BME team invited by Cognizant to present projects to their clients

Prof Kavitha writes..

We have been interacting with the Cognizant healthcare wing for quite some time now.

Haleon, the healthcare industry sector of GlaxoSmithKline is their client.

Cognizant has invited us to present on 22nd November, a few projects of SSNBME as academia industry collaborations during their client's visit at Hyderabad All the top officials of Haleon attended the event.



We had a very good response from Cognizant for presenting our work in front of the **R&D Head of Haleon - Mr. Frank Riot and his team**

## Recognition 9 – SSN makes its mark in AU Sports Events

### ANNA UNIVERSITY CHAMPIONSHIPS



Our college Men's Chess team bagged the title in the Anna University Inter zone Chess tournament organized by Anand Institute of Technology, Chennai on 08.11.2023. M.Thaga Sheriff ( IV Year EEE) , N.B.Hari Madhavan ( III Year Mech), Jayachandra Vellanki ( III Year EEE), H.Balasubramaniam ( II Year IT), P.Srikrishnan ( I Year IT) and S.Rohith Krishna ( I Year IT) had participated in this tournament.



Our college Men's Table Tennis team won the first place in the Anna University Inter zone tournament organized by Sri Sairam Engineering College, Chennai on 22.11.2023. M.Pranav ( IV Year ECE) , Vijaya Dharshan.M ( IV Year Mech) and K.Navaneeth ( I Year ECE) had participated in this tournament.



Benediction Rohit (II Yr /CIVIL) had bagged the Individual championship title in the Anna University Aquatic Championships 2023 organized by MNM Jain Engineering College, Chennai on 24.11.2023 and he secured eight gold and one silver medals in the swimming competitions.



N.Jayanth (I year ECE) had secured first position in two events in the Anna University Inter Zone Karate selection trials organized by Sri Krishna College of Technology, Coimbatore from 24.11.23 to 25.11.23.



Our college Men's Squash team secured the winners trophy in the Anna University Inter zone Squash tournament organized by Kongunadu Engineering College, Thottiyam on 26.11.2023. Keshav Pillai (IV year Mech), Abhishek Reddy (II year CSE), S.Heman (II Year Civil), M.Muralitharan (II Year Chem), Jagendran Kamak.N (I Year Civil) and Ashwin Antony( II year Mech) had participated in this tournament.

## **Vice Principal's Office**

### Accreditation related Activities

- NBA Pre Qualifier for the 4 UG programs (EEE, CSE, BME & IT) were coordinated and application was submitted in the NBA portal. [Nov 6 & 8]
- Reviewed the NBA presentation slides for Mechanical, Civil & Chemical departments along with Prof. Samudra for the upcoming NBA expert visit. [Nov 20-22 & 27]
- I-Files verification was carried out by Dr. A. Jawahar, Prof. & Dr. C.Vinothkumar, ASP, ECE and coordinated by Ms. Kavitha, AE, & Mr. R. Gopalakrishnan, Manager, Admin [Nov 25]
- One Day International Training Program on "QUALITY ASSURANCE THROUGH ACCREDITATION IN HIGHER EDUCATION FOR DEVELOPING COUNTRIES" for the International Participant was organised by IQAC, SSNCE along with NITTTR, Chennai. 30 delegates from the countries viz. Malaysia, Myanmar, Syria, Guinea, Sri Lanka, Sria, Ethiopia, Fiji, Zimbabwe, Ghana, Niger, Madagascar, Uzbekistan, Botswana, and Tajikistan were participated. I Presented the OBE Philosophy followed at SSN CE as part of the accreditation process. [Nov 28]



#### Research related Activities

- Reviewed the 8 SURE proposal applications and SNF proposal along with Dr. T. V. Geetha, Distinguished Visiting Professor & Dr. P. Ramasamy, Dean, SSN CE. [Nov 22 & 27]
- Hostel Supervisor interview was conducted along with Ms. Akila, HR & Dr. Praveen Sam, AP, English. [Nov 28]
- Attended project proposal clarification meeting with Army Board for the proposal submitted along with Dr. Joe Louis Paul & Dr. Sasi Rekha, ASP / IT Department. [Nov 30]

#### Industry related Activities

- Attended IEEE Execom meeting. [Nov 18]
- As part of consultancy work, Rs. 1,00,000 / - received from the Industry. [Nov 27]

#### Hostel related Activities

- Hostel Supervisor interview was conducted along with Ms. Akila, HR & Dr. Praveen Sam, AP, English. [Nov 28]

#### **Calendar of Events - Nov 2023**

Date	Event
1	Green Hydrogen meet with Mayilvel Nathan / Sivasankaran [VP]
2	AICTE new placement portal launch
3	Scholarship Day IQAC external Academic Audit
7	Tamil event Kalaignar Nootrandu Vizha competitions Alumni meet at Trust Office
8	Instincts committee nomination
10	Laptop Distribution   Venue: Seminar Hall, SNU Chennai
14&15	Doctorate Scholars Day
15	Green Hydrogen projects review Dr. Acharya Nominations for innovation at IIT Hyderabad [VP]
20	Grain recovery patent hearing online
22	Visit to Ambattur – ESAB BME team invited by Cognizant to present projects to their clients [BME]
24	Sustainability award NITTTR delegation visits campus
27	Round Table discussion with delegates from University of Dresden
30	AU meeting with VC library consortium and Foreign mobility for students



## Nov 1 - Green Hydrogen meet

Dr,Mayilvelnathan, VP, Hild Electric and Mr.Sivasankaran, Director - Innovation & Technical , Viruksa Manufacturing Solutions Pvt Ltd , visited Chemical engg dept to discuss Green Hydrogen related projects, alongwith Vice Principal, Anandharaj and Sathishkumar.

## Nov 2 - AICTE new placement portal launch

AICTE had invited us for an online meet to witness the launch of a placement portal to help remote area tribal and rural students.

AICTE has developed a placement portal for village and tribal area students that can be a powerful tool to help bridge the gap between urban and rural areas in terms of access to employment opportunities. The portal will serve as a platform for connecting rural students with MNCs, Industries, and other employers for job opportunities and providing them with the resources they need to succeed in the job market.

The portal is designed to be user-friendly and accessible to students who may not have access to high-speed internet or the latest technology. It can include features such as job listings, career advice, and networking tool. Our Placement team is exploring the use of this portal for our students. More details at [Aicte Placement portal \(aicte-india.org\)](https://aicte-india.org)

## Nov 3 - Scholarship Day



Our Alumni,  
Mr Saji Joseph ,  
Director of  
Engineering at  
NetApp, Bengaluru,  
and Mr. Deepak  
Balasubramaniam,  
Co-Founder and CTO,  
Rocketlane ,  
graced the occasion  
as Special Guests.



The second session was chaired by Shri.K.Deenabandu, a 1982 cadre IAS officer. He served TN Govt in various capacities such as Collector of Thiruvannamalai District, Principal Secretary and Commissioner of Rehabilitation. He Superannuated in Feb 2013

In 2021, when TN Govt revamped State Planning Commission as State Development Policy Council, Mr.Deenabandhu was included as a member of this council. Currently, he is Chairman of the State level Expert Appraisal Committee (SEAC).This is the executive arm of the State Environment Impact Assessment Authority [SEIAA].

### Nov3 - IQAC - External Academic Audit – 2023

The Internal Quality Assurance Cell (IQAC) of SSNCE, conducted the External Academic Audit (AA) for the academic year 2022-2023 on 3rd Nov 2023, Friday, 2022. Ten External academic experts were invited to carry out the audit. The closing meeting was chaired by Dr. S. Narasimman, CoE, SSNCE.



## Nov 7 - Tamil event Kalaingar Nootrandu Vizha competitions

As directed by DoTE, our Tamil Mandram celebrated Kalaingar Nootrandu vizha- details in Annexure.

## Nov 10 – Laptop distribution by Redington



Officials from Redington were in campus to distribute laptops to SSN / SNUC students.

Beneficiaries of last year shared their views on how useful this gesture has been in their academic upliftment.

## Nov 15 - Green Hydrogen projects review by Dr.Acharya



Prof Damodar Acharya reviewed four of our Green Hydrogen project proposals and gave inputs on how to improve them.

## Nov 15 - Nominations for innovation at IIT Hyderabad [VP]

IIT Hyderabad is conducting an Innovation contest. Selected projects in five different categories were nominated by a team headed by VP.



## Nov 20 Grain recovery patent hearing online

Patent filed in 2020 by VEA / SSK and team, came for hearing on Nov 20.

We were able to convince the examiner on the novelty of our work.

## Nov 22 Visit to Ambattur – ESAB

VEA visited ESAB a welding equipment manufacturing company in Ambattur, to discuss the possibility of obtaining CSR funding for our research work. Proposals have been given to their R&D head. HR Head, Legal Head and CEO were also present in the discussions.

## Nov 24 One Day International Level Workshop with NITTTR delegation

The Internal Quality Assurance Cell (IQAC) of SSNCE, on 24<sup>th</sup> November 2023 organized a one day International level workshop in association with NITTTR, Chennai, titled “Quality Assurance Through Accreditation In Higher Education For Developing Countries”. About 30 delegates from the countries viz, Malaysia, Myanmar, Syria, Guinea, Sri Lanka, Ethiopia, Fiji, Zimbabwe, Ghana, Nigeria, Madagascar, Uzbekistan, Botswana, and Tajikistan attended the workshop.

The aim of the workshop is to present the details of quality assurance process followed in SSNCE, facilities in the departments and in the research at SSNCE so that the foreign delegates to understand accreditation process.

Dr.S. Radha, Vice principal, presented a talk on the SSNCE NBA accreditation process and how to approach different criteria.

Dr.N. Venkateswaran, IQAC Coordinator presented about NAAC process and Dr. Rajini, HoD, EEE, presented about the NIRF.





## Nov 27 – Round Table discussion with delegates from University of Dresden

A delegation led by the **Rector of the Technical University of Dresden (TU Dresden)**, Germany, was in Chennai . VC Anna University, Vice President of Kalasalingam University and VEA were invited for a Roundtable discussion to discuss possibilities of collaboration.

**TU Dresden**, recognized as one of the **top 11 universities of excellence in Germany**, is the leading institute in terms of research and the number of patents to its credit. It boasts a world-class research infrastructure at its innovation campus and currently offers 25 international master's programs. Alongside Silicon Saxony, a hub of the semiconductor industry, TU Dresden is one of the favourite destination for a majority of international students.

We have identified opportunities to send our students to Germany, as interns and to receive German students as interns in India.

## Nov 30 – Meeting called by VC AU

VC invited all Principals and Librarians for a meeting, to discuss creating a consortium for e-resources. Consortium was originally conceived for e-resources. By all colleges getting together, we may negotiate for better prices with journal and book suppliers.

But now, Consortium has been expanded to cover facilitating international mobility of students and for discussing transformation in education. It was highlighted that collective efforts would be beneficial to all.



The possibility of permitting students to spend one semester abroad for internships or projects was also discussed. Au is planning to expand its International Office, to facilitate providing these opportunities to all Affiliated / Autonomous colleges.

## Admin Data

### List of projects applied during the month of November 2023

Sl. No.	Dept	Investigator(s)	Title of the Project	Agency & Amount in Rs.
1.	Maths	M. Shanmughapriya	International Conference on progress in Fluid Mechanics, Heat Transfer and Materials	DST-SERB 1.70 Lakhs
2.	Maths	Dr. M. Sundarakannan Dr. S. Sampathkumar	Leveraging Graph Domination for Efficient Network on Chip Design with Application Awareness	SURE-SURE 17 Lakhs
3.	Physics	Dr. Julie Charles Dr. G Satheesh Kumar	A Noval poly (styrene-block-acrylonitrile)-based porous carbon (PSAN-C) incorporated with nickel-poped cobalt hexacyanoferrate (Ni-CoHCF) as hybrid electrode material for high-performance supercapacitors	UGX-DAE CSR 16.98 Lakhs
4.	Physics	Dr. G Anandha Babu	Development of high performance lead-free $(1-x)$ $\text{Na}_{0.5}\text{TiO}_3$ - $x\text{BaTi}_{0.89}\text{Sn}_{0.11}\text{O}_3$ and $(1-x)\text{Na}_{0.4}\text{K}_{0.1}\text{Bi}_{0.5}\text{TiO}_3$ - $x\text{BaTi}_{0.89}\text{Sn}_{0.11}\text{O}_3$ piezoceramics for next generation transducer applications	UGC-DAE 7.39 Lakhs
5.	RC	Dr. P.Balaji Bhargav	Structural and phase determination of highly stable and ionic conductive LLZO based solid electrolytes using Neutron Diffraction Technique	UGC-DAE- CSR 10 Lakhs
6.	RC	Dr. M. Srinivasan Dr. V. Pandiayarasan Dr. B. S. Sreeja Prof P Ramasamy	Explore the non-toxic topological materials for developing wearable thermoelectric devices with multi-sensing application	SERB-SURE 29 Lakhs
7.	RC	Dr.P Karuppasamy Prof P. Ramasamy	Indigenous Development of Slag Refining System: Recycling of Silicon Cutting Waste for Photovoltaic (PV) Industries	SERB-SURE 29.40 Lakhs

8.	Mechanical	Dr. Selvaraj	Innovative method to predict the sound weld parameters for friction stir welding of aluminium alloy	DRDO 46.38 Lakhs
9.	Mechanical	Dr. M. Nalla Mohamed	Development of Testing of environment friendly Metastable Interstitial Composites (MICs) as energetic materials for pyrotechnic applications	DRDO 27.74 Lakhs
10.	BME	Dr S Allwyn Dr.Naresh (Dr.Rela Institute)	Design and Development of point-of Care Device for the Diagnosis of Biliary Atresia from Biofluid Samples	SERB-SURE 27.65 Lakhs
11.	BME	Dr. J.Vijay	Non Contact based assessment of health and behavioural status of cattle using infrared thermography for improved dairy productivity	DST 29.89 Lakhs
12.	IT	Dr. N. Sripriya Dr. Aravindan Dr.P. Mirunalini Mr. B. Senthilkumar	Automatic Answer Grading of Handwritten Scripts using Semantic Segmentation and Deep Learning	SERB-SURE 23.99 Lakhs
13.	IT	Dr. S. Radha Dr. S. Sasirekha Dr.I Joe Louis Paul Dr.S. Swamynathan (Anna University)	AI Based Automation Framework For Handling Email/Grievances	SERB-SURE 29.08 Lakhs
14.	CSE	Dr. S. Angel Deborah Dr. T.T. Mirnalinee Dr. S. Rajalakshmi	AI-Enabled Smart Farming System For Water Conservation And Soil Fertility Maintenance	SERB-SURE 29.99 Lakhs
15.	CSE	Dr. T.T. Mirnalinee Dr. J. Bhuvana	Guardians of Transit: Proactive Surveillance System for Women Passenger Safety at transportation hub	DST-SURE 29.91 Lakhs

### List of Scholars who completed Ph.D. Viva Voce During November 2023

Sl. No.	Name of the Supervisor	Dept.	Name of the Scholar	Full Time / Part Time	Date of Viva Voce
1	Dr. K. Jayakumar	Mech	Ms. Hepsi Beaula.M.J	Full Time	9.11.2023
2	Dr. M. S. Alphin	Mech	Mr. Sunil Kumar M	Full Time	10.11.2023
3	Dr. S.Sakthivel Murugan	ECE	Ms. M.Dhanalakshmi	Part Time	24.11.2023
4	Dr. M. Balaji	EEE	Mr. Santin Irudhayaraj	Part Time	24.11.2023
5	Dr. S. Sophia	Maths	Ms. B. Muthu Deepika	Full Time	29.11.2023

### List of Research Scholars Who Completed Scrutiny No Dues – November 2023

Sl.No	Name of the Supervisor	Dept.	Name of the Scholar	Full Time / Part Time	Date of No Dues completion
1	Dr. R. Ramaprabha	EEE	Mrs. Vijayalakshmi	Part Time	01/11/2023
2	Dr. R. Anantharaj	Chemical	Mr. K. Kadambanathan	Full Time	06/11/2023
3	Dr. J. Suresh	CSE	Mrs. V. Karthika	Full Time	17/11/2023
4	Dr. T.T. Mirmaline	CSE	Mrs. S. Benisha	Full Time	22/11/2023

### Patent Activity Report [from Dr. S. Suresh kumar]

#### 1. Details of the Granted patent

Sl. No	Department	Title of the patent application
1	EEE	<p>A Solar Powered Compact Dustbin Assembly</p> <p><b>Patent No: 471651: Date: 22/11/2023</b></p> <p><b>Inventors</b>  <b>Dr. R. Ramaprabha, M. Aishwarya, N. Divyasri, S. J. Indhra Pooja</b>  <b>Dr. M. Balaji, Dr. V. Kamaraj</b></p>
2	Mechanical	<p>Development of car stability control mechanism for tyre blowout situation</p> <p><b>Patent No: 475811: Date: 30/11/2023</b></p> <p><b>Inventors</b>  <b>Dr S Suresh Kumar, S. Abinauv, T. Amutha Geethan, K. Balaji, S. Deepak</b></p>



## 2. Details of 'hearing meeting' completed

Sl. No	Department	Title of the patent application
1	Mechanical	Method of recovering abrasives from bonded rejects and method of reusing the same Application No: 202141018692 Date: 21/11/2023

## 3. Details of the filed patent

Sl. No	Dept.	Application No	Title of the patent application
1	SSNRC	202341073756	Process of manufacturing Ultra-Low reflectance in mc-Si wafers
2	BME	400673-001	Medical Tuning Fork with Timer (Design patent)
3	Mech	202341075663	A Cutting-Edge Paper Sorting System for Segregating Unused Sheets from Used Papers

### Admin Team was busy with the following activities:

- Completed DoTE approval process for first year UG students .
- Completed 7.5% category students approval and received first instalment amount from Government of Tamil Nadu.
- Feedback collection is under progress for III and IV year UG students.
- Provided data towards NBA inspection scheduled during December 08 – 10, 2023.
- Applied to Centre for Research, Anna university for renewal of research centre for the departments of EEE, ECE, Maths and Physics
- Handed over the individual files of faculty and Staff to HR Team.
- Arrangements made for Professor Fujimura from Waseda University, Japan who visited our campus to address our students regarding scholarships offered by them
- Arrangements made for hospitality of Foreign delegates from different countries who visited our campus on 24.11.2023
- Biometric attendance for faculty and staff restored
- Full-Time research scholars are also brought under biometric attendance system
- Submitted NBA pre-qualifier for EEE, CSE, IT and BME and it has been approved for submission of SAR

This issue has two annexures – on IIC and on Tamil Mandram Activities

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Compiled by admin team and released by VEA . For feedback, write to [annamalaive@ssn.edu.in](mailto:annamalaive@ssn.edu.in)

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