

Admin Related Info Sharing in Engineering		
Vol 3	Sept 2022	Issue 1

External Recognition 1– Four teams of SSN win in Smart India Hackathon 2022

From SSN, seven teams for software edition and three teams for hardware edition qualified for the final event of Smart India Hackathon – SIH 2022.

SIH 2022 Winners-Software edition

Team: ByeWorld_SIH2022 (First Prize, prize money: 1 lakh)

Team: Kyogre_SIH2022(First Prize, prize money: 1 lakh)

Team: Alpha Beta Gamma_SIH2022(Inspiration award, Prize money: Rs 25000)

SIH 2022 Winners-Hardware edition

A team of BME students has won the first prize of the hardware edition of SIH 2022 at Coimbatore. (prize money: 1 lakh)

External Recognition 2 – Kallki Selvan of First year Chemical engg, has been selected for National Level Dhruv Ratan Award, for his excellence in Arts.



The Dhruv Ratan Award is conferred on young men and women and voluntary organization every year in recognition of their outstanding work in the field of Sport's, National development and Social service.

Kallki Selvan is a multifaceted personality, with skill in music, Yoga and drawing.

External recognition 3



Prof.S.Radha has been elected as
IEEE MAS Section Treasurer.
Our Congratulations to her- VEA [9-8-22]

HR News : Annual Health camp was conducted during Aug 10-12

VP's Office info

Research related activity

- Dr. Sasirekha, Associate Professor, SSN CE as the Principal Investigator and Dr. S. Aasha Nandhini, Dr. K. Subhalakshmi, Dr. S. Radha as the Co-Investigators submitted the project proposal titled “Focal Liver Lesion Detection, Classification, and Localization: An AI-based Cognitive System for Interventional Radiologist / Surgeons” under DST SERB scheme. [1-8-22]

Industry related activity

- Signed a MoU with Valeo India Pvt. Ltd. [3-8-22]
- Attended BigCAT Wireless Project review meeting [3-8-22]
- Attended online meetings with ERS, HCL Tech, along with Dr. K Muthumeenakshi & Dr. Esther Florence [10-8-22]
- As part of MoU arranged a visit to Valeo India Pvt Ltd [17-8-22]. The following members visited the lab facilities at Valeo India Pvt. Ltd.

Dr. S Radha, Dr. P Vijayalakshmi, Prof & Head / ECE, Dr V Rajini, Prof & Head /
EEE, Dr R Srinivasan, Prof / IT, 7. Dr R Seyezhai, Prof / EEE, Dr R Kanchana, ASP / CSE, Dr N
Bhalaji, ASP / IT, Dr Esther Florence, ASP / ECE, Dr S Ramprabhu, ASP / ECE

- Visited FORD MOTORS Pvt Ltd, ELCOT IT SEZ, Sholinganallur, Chennai-119, as part of MoU. [22-8-22]

Other Activity

- Attended Webinar on the revised procedure for the flow of funds under Central Sector Schemes organised by DST [3-8-22]

Events Diary

Aug	Event Description
1	SPURS admission
3	Launch of SURE program by SERB
4	DoTE training for Nodal officer at AU
4	MoU with Sri Ramachandra Medical College and University [BME]
6	Academic council meet
6	Alumni meet reunion 20 th year
9	Thirteenth Result Passing Board
10	Course Mapping for Naan Mudhalvan Scheme at Secretariat
11	CII Mfg Panel third meet [online]
11	Drive against Drugs – TN govt initiative
12	Griffith lecture
13	CARE newsletter discussion with Alumni
17	IIC meet HCL person on IPR
19	SNU Noida Zoom meet
24-26	Admissions 2022-23
25	IICChE inaugural
26	Naan Mudhalvan scheme student data uploaded [NLN and team]
29	Naan Mudhalvan scheme launch by CM at Kalaivanar Arangam
30	EEE faculty interview

Aug 1 – SPURS [Scholarship for Potential Undergraduate Rural Students] admissions

Around 100 school toppers from Rural Govt Schools were invited for counseling and after interaction and assessment, 25 have been selected . [As on date, they have joined.]

Important news

Aug 3- SURE program launched by SERB

Science and Engineering Research Board (SERB), a Statutory body of the Department of Science and Technology, Government of India is launching **State University Research Excellence (SERB SURE)** Scheme to augment the research capabilities in a structured way to create a robust R&D ecosystem in state universities and colleges by fostering collaboration for high-end research..

- IITs and NITs are not allowed to compete for these funds.
- So, private colleges have a better chance of getting funds.
- Last date for submission of project proposal: **19 September 2022**

Aug 4- DoTE training for Nodal Officer

The process of Admission is going completely online, in a manner similar to what is followed by NITs and IITs. The student gets only seven days to take or leave the seat and on the eighth day, unfilled seats get back to the govt vacancies.

In order to train the Principals and Nodal officers in the new process, the Director of Technical Education had organized a training program on Aug 4th.

Mr.B.Senthilkumar from Trust Office, Mr.R.Gopalakrishnan from Admin and Dr.Karthi of ECE, [Nodal Officer], attended this program, along with Principal.

Aug 4 - MoU with Sri Ramachandra Medical College and University

Our Biomedical department has been actively engaging with doctors at SRMCU for the past six years. MoU has been on for six years. A team from SSN met the team at SRMCU , where the progress of interactions was reviewed. The interactions and outcomes were appreciated and the extension of MoU for another term of three years was approved.



It was also decided that the interactions must move from generic mode to project based.

The teams are now looking at identifying specific projects that can be shared with any faculty in SSN, based on the need area.

Aug 6 – Academic Council meet

Academic Council meeting was conducted on Aug 6, to review all PG program curriculum and syllabi. We will now follow R2022 for all PG programs in Engineering.

The mandated changes in UG Regulations, to accommodate the Skill based training of Naan Mudhalvan scheme , were also submitted for ratification.

Aug 6 – Alumni meet on their twentieth year of graduation

Passed out batch of 2002 met in our campus and interacted with all faculty and staff. It was a memorable “coming back home” feeling, for most of them. The highlight was the presence of Dr, Kasthuri back in campus to meet and greet them.



Aug 10 Course Mapping for Naan Mudhalvan Scheme at Secretariat

As part of the Skilling exercise for Naan Mudhalvan scheme, Tamilnadu Skill development Council [TNSDC] had invited us to look at the training programs offered by vendors and to map the programs to various programs of study. VEA had attended this meeting.

Aug 11- Drive against Drugs – TN govt initiative

Tamilnadu Government has initiated a massive Drive Against Drugs. DoTE had instructed us to cover the CM's pledge taking ceremony in large screen, with our students taking part simultaneously in the pledge taking ceremony. Prof.V.S.Gayathri, along with NSS team had arranged for this event for a select section of first year students.

Aug 11- CII Mfg Panel third meet [online]

The Manufacturing Panel of the Confederation of Indian Industry- is planning to conduct a seminar on waste water treatment. Ideas on how to conduct the program, formats for seeking entries, method of evaluating the entries were discussed.

Aug 12 –Griffith Lecture

As part of the L&T webinar organized by Griffith School of Engineering and Built Environment (Australia) and SSN College of Engineering , Associate Professor Dr. Shibani Khanra Jha from Department of Civil Engineering, BITS Pilani, spoke on “Different approaches to assessment.” This is organized by prof KT Selvan of ECE dept.

Aug 13- CARE newsletter discussion with Alumni

Cherishing Alumni Relationship and Engagement is a newsletter bringing out all activities of Alumni. The first issue was released in July. In order to improve its contents, Alumni Association had an online chat with us. Mr.Varun President and Mr.Ravi Shankar Shanmugam (Ravi Shan),Vice President ,joined us for a discussion on Newsletter and its scope. We had a fruitful interaction. The following were agreed upon.

- 1.Try and include support needed from Alumni for forthcoming events.- Institute Team
- 2.Try and get Alumni profiles thru standard questionnaire - at least one per month- Alumni Association team

Aug 17 – HCL member on speaks on IPR

Dr. G. Sai Narayanan, Technology Director, Engineering and R&D services, HCL Technologies, Chennai, delivered an Expert talk on “Insights on Patents”.

As a holder of several patents, he agreed to support our initiatives in patenting computer based ideas and work. Patent cell will interact with him further, in this regard.

Aug 19 - SNU Noida Zoom meet

The team comprising Dr.Suneet Tuli,Dean Research, Dr.Karthik Krishnan and MS.Shalvi Dutta of SNU NCR and Dr.P.Ramasamy, Dr.S.Radha and Dr.V.E.Annamalai of SSN met online to discuss further actions on the MoU.

- 1.Research Scholars' Day-SNU NCr team invited to attend and witness the happenings at SSN.
- 2.Research interaction-list of equipment on both sides have been collected and shared.
- 3.Procedure development- SNU wanted SSN to share research administration procedures , for reference, since SNU NCR is right now, in the process of establishing their procedures for Research.

Aug 24-26 Management Seats Counseling

Around 2000 students were called for counseling interaction. Ten panels were busy , meeting the students. There was a good response.

Aug 26 – Naan Mudhalvan scheme data upload

In response to a call at short notice by DOTE, Tamil Nadu, a massive data filing activity was carried out successfully by a team of our faculty members on 26th Aug, 2022- [Detailed report on page –12](#)

Data from Admin Team

Project sanctioned during August 2022

Sl. No	Department	Name of Faculty	Project Titled	Agency
1.	MECH and ECE	Dr. R. Vimal Samsingh Dr. S. Esther Florence Dr. C. Arun Prakash	Design and development of customized cloud connected cashless vending machine with E-commerce compatability	Consultancy Project LIFO TECHNOLOGIES Rs. 3.24 Lakhs
2	Mech	Dr.V.E.Annamalai Dr.K.Rajkumar	Agglomeration of spent garnet for possible reuse as abrasives in waterjet applications	Dept of Mines Rs.14.70 lakhs [first phase, for proof of concept]

Projects Applied during Aug 2022

Sl. No	Dept	Name of Faculty	Project Titled	Agency
1	EEE	Dr. V. Rajini Dr. S. Tamilselvi	Learning assisted fault management system for preventive and corrective maintenance of PV system with heterogeneous faults under uncertainties	MNRE Rs. 42 Lakhs
2	EEE	Dr. V. S. Nagarajan Dr. V. Rajini	Design and development of energy efficient flux intensifying spoke motor drive with rare earth free magnet for high capacity solar pumps and irrigation systems for hilly regions	MNRE Rs. 42.87 Lakhs
3	ECE	Dr. S. Radha Dr. B. S. Sreeja	Development of portable heavy metal ion sensor for detecting chromium nickel and zinc metal ions for electroplating industry effluent water quality monitoring	MNRE Rs. 82 Lakhs
4	ECE	Dr. B. S. Sreeja Dr. M. Srivasan Prof. Rohit Srivatsava IITB	Microelectronic system integrated wearable minimally invasive continuous glucose monitoring and insulin delivery system based on microneedle based sensing and therapy	TTD SPVF Rs. 3 Crore
5	IT	Dr. S. Sasirekha Dr. S. Radha Dr. Asha Nandhini Co-PI – Amrita Vishwa Vidyapeetham Chennai Dr. Subhalakshmi Co-PI SRM medical college hospital	Focal liver lesion detection classification and localization an AI-based cognitive system for interventional radiologist / surgeons	SERB INTEL FIRE Rs. 38.90 Lakhs
6	RC	Dr. Nafis Abmed	Development of ultrathin high-power lithium-ion battery anode using PECVD grown silicon nanowires intercalated with graphene	MNRE Rs. 57 Lakhs
7	RC	Dr. P. Balaji Bhargav	Development of process flow for the recovery and recycling of components from End-of-Life PV modules	MNRE Rs. 65 Lakhs
8	RC	Mr. M. Srinivasan	Establishing the technolohg for recovery of different components of PV module at end of life and recycling of silicon	MNRE Rs. 31 Lakhs

Student projects Applied during Aug 2022

Sl. No	Dept	Name of Faculty and students	Project Titled	Agency
1	EEE	Dr. M. Pandikumar Mr. R. Sriganesh IV year Mr. S. Rajadurai IV year	Design and development of low-cost solar powered electric vehicle	TNSCST Rs. 10,000
2	IT	Dr. V. Arulkumar Gokulakrishnan B III year Aruneeswaran K III year Harish A III year Karthikraja T P III year	Smart surveillance system	AICTE Rs. 75,000
3	CHEMICAL	Dr. R. Anantharaj Raghul J IV year Ajin Kumar R IV year	Extraction of lithium and cobalt ion from waste batteries using deep eutectic solvents	TNSCST Rs. 10,000
4	CHEMICAL	Dr. R. Anantharaj Sathya Narayanan V K IV year Akhash P S M IV year	Extraction of cadmium from nickel-cadmium batteries using deep eutectic solvent and its performance characteristics	TNSCST Rs. 10,000
5	CIVIL	Dr. P. Sangeetha Sathya Shree T R IV year Rakshana S N IV year Sadhana S IV year	Structural behaviour of deficient hollow steel stub columns strengthened using GFRP	TNSCST Rs. 10,000
6	MATHS	Dr. M. Shanmugapriya M. Sonika Anjali Yadav Meenaksi Venkatachalam IV year CIVIL	Student project proposal - Multiple adaptive network fuzzy inference system application in cold-formed steel channel beam	TNSCST Rs. 10,000
7	MATHS	Dr. R. Sundareswaran R. Dhanush Babu M. Vahini Shakti Varsha IV year BME	Analysing diabetic neuropathy a graph theoretic approach	TNSCST Rs. 10,000

Scholars who completed No dues during Aug 2022

Sl. No	Name of the Guide	Department	Name of Research Scholar	FT / PT	Date of completion
1	Dr. J. Suresh	CSE	Mrs. M. Sathya	Full Time	05.08.2022
2	Dr. S. Rajkumar	MECH	Mr. M. Gowthama Kishnan	Full Time	09.08.2022
3	Dr. K. Murugesan	EEE	Ms. S. Benisha	Part Time	30.08.2022
4	Dr. D. Gnanaprakash	CHEMICAL	Mr. R. Rajkumar	Part Time	30.08.2022

Scholars who completed Viva Voce during Aug 2022

Sl. No	Name of the Guide	Department	Name of Research Scholar	Full Time or Part Time	Viva Voce Completion
1	Dr. K. Jayakumar	MECH	Mr. S. Balamurugan	Full Time	13.7.2022
2	Dr. M.S. Alphin	MECH	Mr. Paul Chandra Kumar	Part Time	21.7.2022
3	Dr. T.M. Rajalaxmi	MATHS	Ms. T. Revathi	Full Time	08.8.2022
4	Dr. K. Sathish Kumar	CHEMICAL	Mr. K. Bogeshwaran	Full Time	10.8.2022
5	Dr. R. Rengaraj	EEE	Mr. S. Anbu Chandran	Part Time	11.8.2022
6	Dr. T.M. Rajalaxmi	MATHS	Ms. Jessy Sujana	Full Time	11.8.2022
7	Dr. P. Senthil Kumar	CHEMICAL	Mrs. G. Janet Joshiba	Full Time	12.8.2022
8	Dr. S. Chithra	IT	Mr. S. Yoganand	Part Time	18.8.2022

Visit to Valeo [write up by VP]

On Aug 17, Team SSN visited Valeo for possible interactions.

SSN: Dr S Radha, Dr P Vijayalakshmi, Dr V Rajini, Dr R Seyalzi, Dr R.Srinivasan, Dr R.Kanchana, Dr N.Bhalaji, Dr Estherflorence, Dr Sureshkumar, Dr S Ramprabhu

Valeo: Mr.Sanoj Somasundaram, Ms.Vijayalakshmi Venkatesan, Ms.Shrikavi Ramamirtham, Mr.Nandakumar Sivashanmugam, Mr.Jayanta Panda

Faculty members from SSN visited Valeo India Pvt Ltd., and interacted with team members from EMC & RF, Software Knowledge Management, and Mechanical Knowledge Management. The members also visited the various labs and testing facilities available in the industry. The discussion was held based on the MoU and recruiting Ph.D. and M.E. students for both internships and jobs.

Visit to Ford [write up by VP]

On Monday, 22nd Aug. 2022, Team SSN visited FORD to understand its Technical Infrastructure. The visit was very productive in terms of technical collaboration, training, and student placement.

Attendees:

FMPL: Mr. Ramkumar Natarajan, Mr. Kranti Gosula, Mr. Prasanna Doraiswamy and

Mr. Nambivengadam Srinivasan, Ms. Anitha Viswanathan, Mr. R. Ganga, Ms Rajalakshmi, and Mr Ashok

SSN: Dr. S. Radha, Dr Vijayalakshmi, Dr Mirnalinee, Dr Rajavel, Dr N. Balaji, Dr. K. Kabilan, Dr. R. Kishore and Dr. V. Balasubramanian

The following points were discussed during the industry visit:

1. MoU Document: MoU has been signed at both ends and the signed copy will be handed over to SSN CE soon
2. One Credit Course (IoT Security)
3. L & D Proposals: FORD Team requested SSNCE to offer the following technical courses for their employees as certification courses
 - Design Thinking,
 - Machine Learning & Deep Learning,
 - Cloud Computing and Blockchain Technology
4. Internship & Projects



NOTE DATA FILING – A BRIEF REPORT (Aug 26, 2022)

In response to a *call at short notice* by DOTE, Tamil Nadu, a massive data filing activity was carried out successfully by a team of our faculty members on 26th Aug, 2022. Verified data pertaining to all the current UG students of our institution including their Name, Reg. No., email id, mobile etc., were to be furnished online as mandated by the DOTE office. It is expected that the data will soon be linked by DOTE to Naan Mudhalvan Initiative launched by the Govt. of Tamil Nadu.

Responding to the call was critical and not an easy task to handle with, as a vast amount of data (around 15000 entries) had to be physically entered online in the DOTE's Naan Mudhalvan portal within a limited time space of about 5-6 hours. Thanks to the support from our Principal, and timely initiatives of all the HODs, a team of Faculty Members were deputed to handle the task as precisely as possible.

Kudos to All the Team Members:

S.No:	Name of the Faculty Member Involved	Dept.	S.No:	Name of the Faculty Member Involved	Dept.
1	Dr.Chamundeswari	CSE	17	Dr V Thanikachalam	IT
2	Dr. S.Lakshmi Priya	CSE	18	Dr A S Ramana	Mech
3	Dr. Y. V. Lokeswari	CSE	19	Dr. B. Jayakishan	Mech
4	Dr. K. Lekshmi	CSE	20	Dr. Anirudh Venkataraman K	Mech
5	Dr. S. Kavitha	CSE	21	Dr. M. Dhananchezhian	Mech
6	Dr. R. Kishore	ECE	22	Dr. S. Suresh Kumar	Mech
7	Dr. C. Annadurai	ECE	23	Dr. C. Arunprakash	Mech
8	Dr. K. J. Jegadish Kumar	ECE	24	Dr.J.Dhanalakshmi	Chemical
9	Dr. K. K. Nagarajan	ECE	25	Dr. M. Subramanian	Chemical
10	Dr. S. Karthie	ECE	26	Dr V Jaikumar	Chemical
11	Dr. R. Kalidoss	ECE	27	Dr. R. Vijayalakshmi	Civil
12	Dr V Thiyagarajan	EEE	28	Dr Surendar Natarajan	Civil
13	Dr.V.S.Nagarajan	EEE	29	Dr. Jijo James	Civil
14	Dr. K.Murugesan	EEE	30	Dr. L. Suganthi	BME
15	Dr.E.M.Malathy	IT	31	Dr.B.Geethanjali	BME
16	Dr. S. Chithra	IT	32	Dr.S.Saranya	BME

With a full-fledged dedication from all the faculty members deputed and supporting staff assigned, the task was handled very smoothly and completed on time. A special Thanks to Dr. S. Narasimman (COE), and Mr. R. Gopalakrishnan (Dy. Manager- Admin) for a timely sharing of the required data. A special thanks to all the HODs is conveyed here for the support extended. It is a delight to share a humble note of Thanks to the Faculty Team that spearheaded the data filing task for the respective departments. Overall, it was a collective team effort and indeed the task became a memorable one by the way it was handled and executed with precision. Congratulations to each and everyone involved. As a Coordinator for the task, I feel extremely happy to be a part of the team for its successful completion.

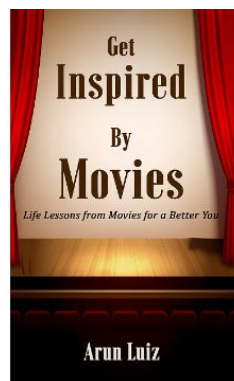


Report Compiled by

Dr. N. Lakshmi Narasimhan, ASP/Mech
(Coordinator for the Assigned Activity).

Other news: Book Release

Dr.T.Arun Luiz of Chemistry dept, has released his book through Amazon



The preface says

“The history of cinema is short, just over one hundred years old. But, in these hundred-odd years, movies have influenced life in a big way. It has emerged into a billion dollar industry now. Movies make you laugh and cry. But, Are movies all about entertainment? Can movies be a source of inspiration? What are the lessons you can learn from movies? How can you use the medium of movies to become a better you? You will find answers to these questions in this book.”

<https://www.amazon.in/Get-inspired-movies-lessons-better/dp/9356480664>

SSN –Institution’s Innovation Council

List of Activities Conducted during August 2022

1.The fourth meeting of SSN-IIC4.0 was conducted on 04.08.2022 to discuss about the Q4 activities and YUKTI portal for uploading the innovative ideas and prototype development for ARIIA-2022 ranking.

2.SSN-IIC4.0 organized a webinar titled, “Dynamics of Entrepreneurial Process” on 12.08.2022. The speaker for the event was **Mr. S.Maria Jacob Stani Raja** , Founder, Great Minds IAS Academy Nagarcovil, Tamil Nadu. The talk was focused what is entrepreneurs and what role the entrepreneurs play like solution provider, organizer, accountability & responsibility, risk beare/Fruit bearer.Then the talk emphasized about importance continuous learning, periodic evaluation, finance management and marketing. Then he shared the challenge, he faced during his startup business. This webinar was coordinated by **Dr.B. Ambedkar**,ASSP/Chemical.

3. Internal Quality Assurance Cell (IQAC) - SSNCE & SSN-IIC4.0 organized an Expert talk on “Insights on Patents” on 17.08.2022. The resource person was **Dr. G. Sai Narayanan**, Technology Director, Engineering and R&D services, HCL Technologies, Chennai. This event was coordinated by **Dr. N. Venkateswaran**,P/BME and **Dr. S. Ramprabhu**,ASSP/ECE.

4.SSN-IIC 4.0 in association with the Department of EEE organized a pep talk on “How to seek purpose in life and achieve it” on 22.08.2022. Around 200 participants including faculty members, undergraduate and post graduate students attended the event. **Mr. PradeepKumar**, CEO of NP Digital India and Stan Ventures was the speaker for the Pep Talk. This event was coordinated by **Dr.V.Rajini**, HOD/EEE, **Dr.R.Seyezhai**, P/EEE and **Dr.D.Umarani**, ASSP/EEE.



5. SSN - Institution's Innovation Council and IEEE ComSoc Students Chapter, organized a webinar on "Assistive technology and start-up challenges" on 25.08.2022. The speaker for the webinar was Dr.M.Balakrishnan, Professor, Department of CSE, Indian Institute of Technology, Delhi. This event was coordinated by Dr.P.Vijayalakshmi - HoD & Professor / ECE and Dr.S.Ramprabhu, ASSP/ECE.

6. On the 26th of August, the Institution's Innovation Council in collaboration with the Department of Biomedical Engineering, conducted a webinar on Innovation and Product Development. The resource person was Mr. Jibin Jose, Asst. Professor in Biomedical Engineering from Sahrdaya College of Engineering and Technology. There were around 60 active participants in the webinar. This event was organized by Dr.R.Nithya, Assistant Professor and Ms. B. Divya, Assistant Professor from the department of Biomedical Engineering.

7. All the IIC coordinators and IIC members have successfully completed the Innovation Ambassador training course.

- Dr.R.Seyezhai, IA-Advanced Level, Dr.M.Balaji- IA -Fundamental & Advanced Level, Dr.D.Umarani-, Fundamental & Advanced Level, Dr.S.Chithra- Fundamental & Advanced Level, Dr.R.Nitya- Fundamental & Advanced Level.
- Dr.S.Ramprabhu, Dr.B.Ambedkar and Dr.N.Bhalaji have started their IA training.
- Dr.S.Sureskumar is undergoing the IA advanced level training

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

1. Patents filed in August 2022: 'C- intelligence' has filed the following patent application

Sl. No	Department	Title of the patent application
1	BME	Baseline Static Veloprene Foot Pressure Mapping System
2	Chemical	Intensification of Sono-assisted CO ₂ Stripping Using Hydrophobic Nano Particles

2. FER replied: In consultation with the inventors, C- intelligence has filed the First Examination Report (FER) for the following applications.

Sl. No	Department	Application No	Title of the patent application
1	BME	202141017842	Embedded system for Cuffless Non Invasive Blood Pressure Monitor
2	BME	201941006594	An Embedded system design for Non-invasive Blood Glucose Measurement
3	Civil	201841017568	Short rigid fibre reinforced Concrete
4	Mechanical	202141040204	A Thermo-Warmer for LPG Stoves
5	CSE	201741045343	An Effective Frequency provisioning method for Scalable Devices in NB-IOT Platform

SIH – Hardware edition- Dr.Kavitha, HoD BME writes..



I would like to inform you that a team of BME has won the first prize of the hardware edition of SIH 2022 at Coimbatore.

Team members - Lokesh Kumar M, R Dhanush Babu, Manjunathan R (ECE) , Krishi V (ECE) , Vahini M, A V Trisha

Team mentors - Prof. Venkateswaran N and Dr. Mahesh Veezhinathan, BME

Problem Statement: Solution for recording and storing metrics of normal and orthotic leg for analysis by Orthotist to provide corrective measures.

Write up from SIH winners from CSE

The Smart India Hackathon 2022 was a tremendous success on so many levels- breaking records in participation, scale, and logistics.

More than 80 teams participated in the SSN internal Hackathon held on 23rd March 2022. Our team placed first in the internal Hackathon. The shortlisted teams were called for the second phase of the Hackathon in 75 cities across the country conducted by each of the ministries who had given the problem statements at several different nodal centres.

This gave our team (ByeWorld) even more pride in competing for the Title with other teams from various universities, across the country.

Over 15000 students participated in the Grand finale held on 25th and 26th August 2022 - each with a unique and innovative solution to the problems faced by our nation.



(left to right) Mentor: Dr. V. Balasubramanian (CSE), Members: Sumon Kumar, D. Shruthi, S. Supraja, Vignesh Balaji S, Shri Keshavinee, N. Thejas, CSE 3rd Year

It was indeed a great feeling to watch the youth of our nation work hard to contribute to the nation's development in any small as way as possible. The thrill of non-stop 36 hours of coding, mentoring, and judging was invigorating; the timely mentoring sessions offered by experts in various fields helped us throughout the challenge. Judges from the industry and ministry visited at spaced intervals, validating, and evaluating the solutions.

There was even a live video conference with Honourable Prime Minister, Narendra Modi, who talked about importance of passion towards achieving goals. It was truly surprising to hear the PM talk about current trends in tech like IOT, Augmented Reality and Machine Learning.

Our project converted a simple projector system into a smart interactive board, using only the video feed from a smart phone, without any embedded tech. We achieved this using various Machine Learning techniques such as hand detection and voice recognition. We were keen on making our system functional, intuitive, and cost effective. All-in- all, the product accumulated a lot of appreciation, insights as well as critical reviews from all the judges and mentors, as well other college students. This problem was given by Ministry of Education: National Digital Education Architecture (NDEAR) & Department of School Education and Literacy (DoSEL).

The organizers must be congratulated for their efforts, through which, the entire experience was made comfortable and memorable.

After the presentations, the judges convened to decide the winners. Following this, the valedictory function took place where the results were announced. It was a great delight to receive the prize after all the hours of hard work. Overall, it was a wonderful experience where we learnt industry insights and problem-solving skills.

Aug 30- TN Govt initiative on skilling- Naan Mudhalvan Scheme launch



The CM inaugurated the Naan Mudhalvan scheme in the presence of principals of all arts colleges. Engg colleges and polytechnics. 50 MoUs were signed for skilling TN students. It is a large govt backed scheme which dreams of taking the best practices of private colleges to all colleges. The reach is to offer 300 courses for 12 lakh students, across 2,000 colleges, using more than 50 training partners. Pl explore <http://www.naanmudhalvan.tn.gov.in/>

Compiled by admin team and released by VEA . For feedback, write to annamalaive@ssn.edu.in
