

Annual Report 2023-24

SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

Yamnapet, Ghakesar, Hyderabad - Telangana, Pin: 501301



SREENIDHI
EDUCATIONAL GROUP



A. About Innovation Cell

Vision

Innovation Ecosystem for student and faculty that spurs Idea to Prototype to Product and launch start-ups.

Mission

- Support and train student and faculty in the domain of innovation, entrepreneurship and business development
- Creating a culture of innovation by encouraging ideation and IP development
- Providing entrepreneurship skill development by organizing professional programs and expert mentoring sessions
- Forging strategic alliance and planning network building activities to link start-up resources, Incubation Centres, investors and promoter

Journey:

Ministry of Education, Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs) in 2018. The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes.

We completed all activities (prescribed and self-driven) for the four quarters of IIC calendar. SNIST –IIC (Institute Innovation Council) got 24.99/25 in the first quarter and overall, we got 44.14/50 at the end of the 2nd quarter with a 4-star rating. We are very delighted and proud to inform you all that our Institute Innovation Council (IIC) under the Ministry of Education (MoE) has been awarded with 5-star rating at the end of the year. Only 120 Institutes across India have received 5-star rating out of the 1700 IIC's that participated. In the entire AP and Telangana states only 17 institutions got this 5-Star Rating.

Diversified representation in the IIC established at the institute from industry, Interdisciplinary& Departments/ Units etc.

• Institute Innovation council members:



Dr. Shruthi Bhargava Choubey
President SNIST IIC
Dean (Innovation)



Shri. BhanuPrakash
Vice President SNIST IIC
Director (Graylogic Technologies)



Shri. R. Bhubesh Kumar
Advisor SNIST IIC
Director (Food-Agri) RICH, GoT



Dr. G. VijayaKumari
Advisor SNIST IIC
Professor & Director (JHUB), JNTUH



Dr. Surya Mani Tripathi
IPR Advisor SNIST IIC
Legal Counsel ICRISAT



Shri. PrashantSinha
Incubation Advisor SNIST IIC
TBI, BITS- Hyderabad Campus



Shri. AmarenderKatkamStartup
Advisor SNIST IIC
Founder & CEO Smartbridge



Dr. K Harinadh
Sreenidhi-Hub IIC Convener
Asst. Professor – MBA. SNIST



Dr. C. V. Tomy
Director,SNIST
Member



Dr.N Divya Asst. Professor ,IT
IPR,ActivityCoordinator



Dr. K C Deekshit
JHUB- Jlab Coordinator
Professor – EEE Dept. SNIST



Dr. Md. Shaukat Ali
Professor –ME
Innovation activity



Dr. Preethi Jeevan
Assoc Professor CSE
Start-up activity



Mr. G. Umasrikanth
Asst Professor MBA
Start-up activity



Mr. A. Chinmaya Sai Ganesh
Manager, Incubation Centre,
Sreenidhi Ascend Advisor



Dr. S. Krishna Professor ECE
Professor ECE social media
coordinator

SNIST's Student Innovation Team (SIT)

SIT is a group of highly motivated students, interested in entrepreneurship and believe in creative problem solving. The SIT coordinates all activities of Sreenidhi-Hub with collaborative teamwork that includes organizing Ideation sessions, Invited guest lectures, MHRD/TiE/Thub events, and Hackathons.

- **SIT Coordinators**



B. Brief mention of key functionaries at the IIC Institute

President: -

President Dr. Shruthi Bhargava Choubey constituted the IIC council and appointed its members. He is responsible for ensuring that Quarterly Council Meeting is planned effectively. Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.

- He is calling the meetings, set meeting agenda and monitor the deliverable.
- He is the main point of contact with MHRD Innovation Cell.
- He will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.
- He is ensuring Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).
- He will be responsible for submitting the monthly progress/activity reports on the IIC portal.

Vice President: -

It is an honorary post for a senior expert representative from Industry/Ecosystem enablers. Mr BhanuPrakash, Director, Grey logic Pvt.Ltd. is representing this post. He is working as Bridge between IIC & Industry.

Convenor: -

- The Convenor Dr. K. Harinadh is working in close coordination with IIC president and providing help wherever required for smooth conduction of activities.
- He is ensuring that the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.
- He is ensuring that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.
- He will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Coordinators: -

Following members are working in close coordination with President and Convenor to develop a comprehensive ecosystem of innovation and synergy in efforts to boost entrepreneurship. They will work as per the responsibilities assigned in council meeting.

| S.No. | Name | Designation (IIC) | Dept. |
|--------------|------------------------------|--------------------------|--------------|
| 1 | Dr. MTL Gayatri | Head - TTO Cell | EEE |
| 2 | Dr. Md. Shaukath Ali | Head - Innovation Cell | ECE |
| 3 | Dr. B. Madhura | Member - EDP Cell | MBA |
| 4 | Mr. G. Uma Srikanth | Member - EDP Cell | MBA |
| 5 | Dr. Y. Rohita | Member - IPR Cell | IT |
| 6 | Mrs. P. Rekha | Member - IPR Cell | MBA |
| 7 | Mr. K. Premnadh | Member - IPR Cell | CSE-DS |
| 8 | Dr. N. Santhosh | Member - Innovation Cell | Maths |
| 9 | Mrs. Jenifer Aster Fernandez | Member - Innovation Cell | English |
| 10 | Mr. A. Chinmaya Sai Ganesh | Advisor - Incuation | Ascend |
| 11 | Dr. M. Mallikarjuna | Member - IIC | ECE |
| 12 | Dr. V. Saravana Kumar | Innovation Ambassador | IT |
| 13 | Mr. V. Balaraju | Member - IIC | Chemistry |

Innovation activity coordinator -

Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

Start-up activity coordinator -

Will work to boost startup generation among students and related activities or as mandated in IIC council meeting.

Internship coordinator -

Will work to arrange student internships in startups, so to expose them with startup ecosystem in India, real-life challenges in startup and their success stories or as mandated in IIC council meeting.

IPR Coordinator-

To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

Social Media Coordinator -

Will create and manage IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms. He / She will be responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms. He will also ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

| S.No | Resource | Strength |
|------|--|----------|
| 1 | Total No. of IIC Members | 24 |
| 2 | Total No. of IAs | 28 |
| 3 | Total No. of faculty Mentors from Portal | 35 |
| 4 | Pre-Incubation Units | 8 |
| 5 | Incubation Units | 17 |

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Facilities available:

| S.No | Name of Facility | Area (in Sq. Ft) |
|------|---|------------------|
| 1 | Technology Lab. | 650 |
| 2 | Fabrication-CAM and 3D Printing | 650 |
| 3 | Internet of Things centre of excellence | 1200 |
| 4 | Centre of Advance Material Testing | 1200 |
| 5 | Authorized CISCO and Microchip Skill Development Academy | 1200 |
| 6 | Web Technology and Mobile Applications Development Centre | 1500 |
| 7 | Embedded Systems and Sensor Application | 1500 |

| | | |
|---|---|------|
| | Lab | |
| 8 | Sreenidhi-Hub An Innovation and Entrepreneurship Development centre | 5000 |
| 9 | IPR-Cell | 650 |

Student Clubs:

| S.No | Name of the Club | Year of Establishment |
|------|---------------------------------|-----------------------|
| 1 | The Electronics Club | 2009 |
| 2 | The Robotics Club | 2007 |
| 3 | The Infinity Club | 2018 |
| 4 | Society of automotive engineers | 2009 |
| 5 | IEEE SNIST | 2000 |
| 6 | ISTE SNIST | 2000 |
| 7 | ECA | 2008 |
| 8 | Civil Services Aspirants Club | 2016 |
| 9 | Techvision | 2015 |
| 10 | START | 2019 |
| 11 | IE Club | 2022 |
| 12 | Ardra Club | 2021 |



Sreenidhi Strength
Highly Motivated Student

Technical and Creative Student Clubs at SNIST

Autonomous Vehicle

Satellite Club

SAE Club

The Infinity Club

Emerging Computer Arena Club

TechVision Club

IEEE Club

Robotics Club

Innovation and Creativity Club

START Club

Electronix Club

E. Highlight Achievements (Narrative/Graphical/tabular representation)

| S.No | Achievements | Number |
|-------------|---|--|
| 1 | Number and Different types of I&E and IPR activities Conducted | 70 |
| 2 | No. of student's & faculty ideas generated | 321 |
| 3 | No. of student's & faculty Innovation/prototypes developed | 249 |
| 4 | No. of IPs generated, published and granted | <ul style="list-style-type: none"> • Published: 129, • Granted: 47, • Filed: 20 <p>Total Patents filed by institute till now: 196</p> |
| 5 | No. of Student & Faculty Start-ups/Ventures established. | 17 |
| S6 | Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus | Rs 5,89,100/- |
| 7 | Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR | Rs. 9,02,529/- |
| 8 | No. of Technology Transfer and Commercialisation happened | 39 |

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum:

Best Faculty Profiles:

1. Dr Shruti Bhargava Choubey President - IIC

- 15+years of academia teaching (U.G and P.G) experience.
- 3 patents filed and published
- Completed Innovation ambassador foundation and advanced level training.
- Mentored more than 10 innovative prototypes
- One prototype Titled “New Gen Faucet” shortlisted for final round in IIC POC 2021.



Kudos to Our Dean of Innovation Dr. Shruti Bhargava Choubey for being recognised as the "Youngest Woman CEO in Innovation and Incubation" at the Asia Leadership Awards in Mumbai.

2. Dr. K. Harinadh, Convener - IIC

- 15+ years of teaching experience.
- One-year industry experience.
- Ph.D. from Osmania University, Hyderabad
- Completed Innovation ambassador foundation and advanced level & Re-skilling training.
- Certified Entrepreneurship Trainer of Wadhvani Global University, Bangalore.

Best Student Profiles:

1. Mr Ajay Sadiram ME Dept

- Developed Prototype titled "college intract" won 2.5L in MSME Competition in the year 2023.
- Got 3 patents published
- Won Gold medal at E-innovate international competitions.

2. Ms J Yashaswini EEE Dept

- Won two gold medals at international competitions.
- Received award of Top 20 Innovators in JHUB Hakathon League.

3. Mr Shvejan Shanshank CSE Department

- Won silver medal for the prototype titled "Klen-Smart Tag" by national research council Thailand.
- Shortlisted for AICTE Vishwakarma awards final round with idea titled "Klen-Smart Tag".

G. Highlight selected best Innovations & images with mention of inventor/innovation name



FLOW TECHNOLOGIES

Sweagbot 

"An innovative solution for drainage maintenance."

Awarded a 6laks Grant from Ministry of Education Innovation Cell & AICTE through Yukthi Innovation Challenge 2024. 🏆



• Sweagbot is the first sewage cleaning robot which can go inside sewage and clean the blockages & inspect the flow.

• Sweagbot is built with a vision to automate drainage maintenance to promote sustainability.

• Our robot uses advanced sensing technologies to detect blockages and debris mechanisms to remove them.

MATSYA: THE SAVIOUR


FEATURES


- GPS based location tracking
- Location broadcasting through low range radio frequencies
- Flare Signaling system



GRANT APPROVED THROUGH
YUKTI INNOVATION
CHALLENGE

CONTACT US

 rexennirock@gmail.com

 +91 9404074229



ANIME AASTHRA

BRINGING THOUGHTS TO LIFE



3D AND 2D ANIMATION SERVICES TO BRANDS (B2B)

HAVE OUR OWN CONTENT AND DEVELOPING IT AS
A SHORT FILM AND ANIMATED SERIES

SERVICES

DIGITAL ONE STOP SOLUTION FOR ALL ANIMATION
SERVICE FOR BRANDS AND CUSTOMERS

ANIMATION EDUCATION FOR ORGANISATIONS AND
CUSTOMERS

WORKING WITH PRODUCTION HOUSES
AND ENTERTAINMENT INDUSTRY

OVERVIEW

PIONEERING ANIMATION THROUGH COMPELLING WEB SERIES AND SHORT FILMS.

FOR QUERIES OR ANY SORT OF INFORMATION, CONTACT US THROUGH



+91 93479 47235



likhithojotalks@gmail.com



LIKHITH MULLAPUDI



AGROOZZE

-Cultivating Innovation, Harvesting Success

Key Features



Cloud-Based Data
Computation and
Storage



Monitoring &
Control Devices



Smart Micro-
Irrigation System



User-Friendly
Mobile App

Benifits



Optimize Water
Usage and
Conservation



Reduce Labor Costs
and Manual Effort



Maximize Crop
Yields with Precise
Irrigation



Sustainable and Eco-
Friendly Solution

**"Join the Agroooze Revolution! Explore Our
Smart Irrigation Solutions Today"**

For queries or any sort of information, please reach us through:



Kohima Boga
9064414326



Kohima Boga



kohima.boga@gmail.com

MITTIENRICH

Be Organic



EASY MAINTANCE

ECO-FRIENDLY

AUTOMATED



CONTACT US



+91 89857 82003

+91 63052 79018

Proud moment for SNIST as our startups and Incubation center make waves at the Startup Mahakumbh in New Delhi!



Our brilliant teams showcased their transformative solutions and innovative products that are set to shape the future of India.

National Recognition for SAEINDIA-SNIST!

We are Proud of Our MECHANIZERS 46.0 Team on Winning the Best CAE Award in the National Event conducted by SAENIS-EFFICYCLE at Lovely Professional Universty, Punjab.



A Triumph of Skill and Innovation!

Our Heartiest Congratulations to Ravitoja Dommati [ECE] and T. Ravi Teja Reddy [ECM] on your well-deserved win at the SouthCode War on TechGig.



Your success is a testament to your passion and perseverance. Keep shining!

Proud moment for SNIST!



Our students showcased their innovative brilliance and won top laurels at the 8th edition of INEX in Goa.

Enriching Lives with the Power of Innovation!

Our Heartiest Congratulations



1. Dr. Shruti Bhargava Choubey
2. Saket Gumudavelli
3. Satwik Pragada
4. Sai Keerthan Dubbaka

on receiving the Design Patent from the Government of India for your innovation

"Gesture Controlled Touchless Tap With Integrated Soap Dispenser And Hand Dryer."

This achievement is a testament to your dedication, creativity, and hard work.

Breakthrough Tech to Enhance Farming!

Kudos to the visionary students and faculty behind the 'Smart Semi-Autonomous Hay And Water Dispenser for Cattle' for their remarkable achievement of a design patent.



1. Pundra Sudhensh Reddy
2. Mohammed Sannan Ahmed
3. K. Deeksha
4. P. Tejaswini
5. Malla Venkata Sai Ashish
6. Syed Omer Ferooq
7. Dr. Shruti Bhargava Choubey
8. Aloor Chinmaya Sai Ganesh

Technological innovations to care for our cattle worldwide

Innovation at its best!

Heartiest congratulations to our students and faculty who have been granted a design patent for their groundbreaking **'Power Line Inspection Robot.'**



1. Murugan Saravanan
2. Godehi Nikitha
3. Adapa Gnaneshwar
4. A. Saketh
5. Sathwika Amaranayini
6. T. Shivani
7. Dr. Shruti Bhargava Choube
8. Aloor Chinmaya Sai Ganesh

It's not just about technology; it's about saving lives and transforming the power industry.

AT THE PINNACLE OF INNOVATION BRILLIANCE!



KUDOS TO THE TRAILBLAZING TRIO

**Dharavath Sathish Naik
Palugula Tapaswini
Netaka Rossly**

on the successful creation of the impactful
"AUTOMATIC NEBULIZING DEVICE."

Your inventive spirit is shaping the future of technology,
and we wish you more breakthroughs in your future endeavours.

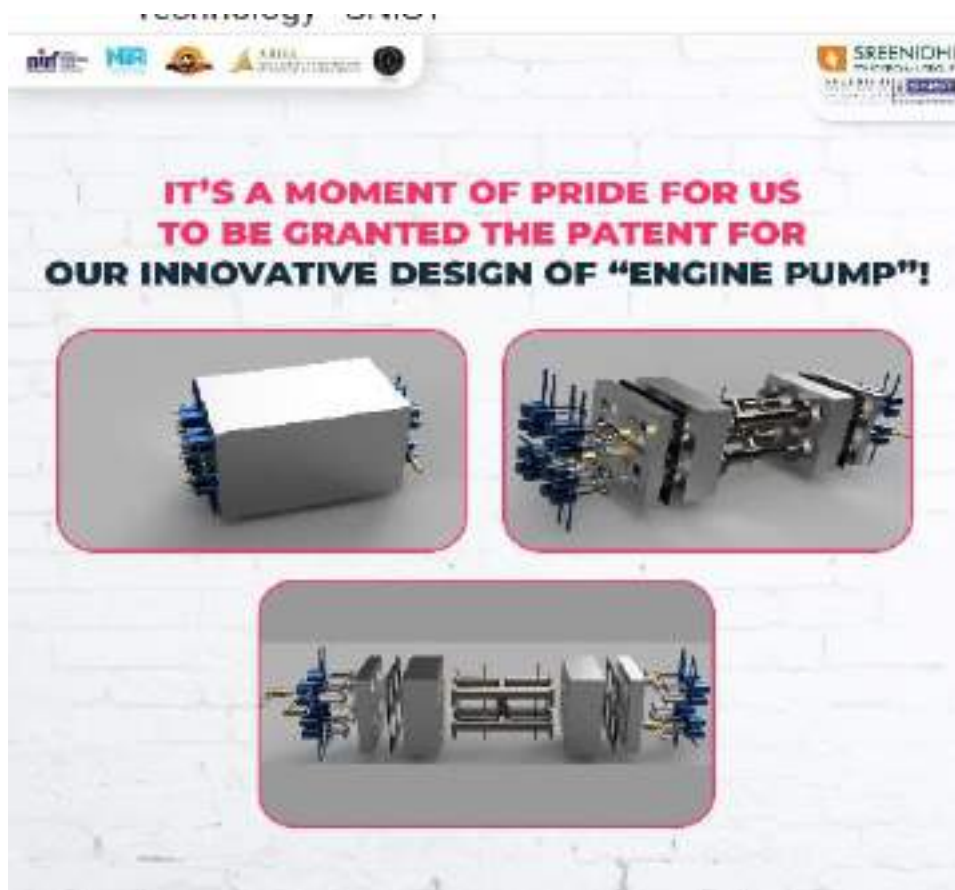
| TEAM NAME | COLLEGE NAME | CHE NUMBER |
|------------------------|---|------------|
| SNIST MECHANIZERS 45.0 | SNIST INSTITUTE OF SCIENCE AND TECHNOLOGY | 72 |

We are proud of our **SNIST MECHANIZERS 45.0 Team** for achieving the AIR-16 position competing against 150 pan-India teams in the **BAJA SAEINDIA 2023 Event** with their innovative vehicle design at **Natrax, Pithampur, Indore.**

MANY BUSINESS GIANTS NOW, WERE ONCE START-UPS

'Pranayaan' Low-Cost Ventilator

Do you wish to create the next big start-up?
Join hands with Sreenidhi ASCEND to turn your Ideas into Action!



H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

| S.No | Name of the Start-up | Name of the Founder/ Cofounder | CIN No |
|------|---------------------------------------|--------------------------------|-----------------------|
| 1 | Smart Bridge | Katakam Amarender | U72200TG2015PTC101466 |
| 2 | Takhi Drive Industries | P Nikitha | U31908TG2015PTC102165 |
| 3 | Sieger Technologies | Varun Gorre | FIRM No: 3581 of 2016 |
| 4 | TCT Holidays and Technologies PVT LTD | Nagaraju K | U74999TG2016PTC110373 |
| 5 | Voltino Systems LLP | Dr Krishna Dora | LLP No: AAJ-9138 |

| | | | |
|----|-----------------------------------|--------------------------|-----------------------|
| 6 | Mintage Markcomm | UdayKiranKandhi | U22300TG2018OPC129206 |
| 7 | Lohitha Power Products PVT LTD | P Hymavathi | U31909TG2018PTC121601 |
| 8 | KIOT Innovations PVT LTD | Vijay Krishna Ch | U74999TG2018PTC126151 |
| 9 | Glauben Industries PVT LTD | D Vishal Reddy | U74999TG2020PTC143746 |
| 10 | Evyam A New Gen Solutions PVT LTD | Dr ShrutiBhargavaChoubey | SRNT0829340 |
| 11 | Maverick Medicare | Joshua Ernest | LLP No AAV - 7530 |
| 12 | KimuRobomatics PVT LTD | Dr Krishna Dora | U29309TG2020PTC143725 |
| 13 | SP Innovations | Dr S. P. Suryanarayana | |

| S.no | Startup Company Name |
|------|--|
| 1 | Evyam New Gen Solutions Private Limited |
| 2 | Recondite Tech Solutions Private Limited |
| 3 | Petrowatt Private Limited |
| 4 | Marktech Creations Private Limited |
| 5 | Maverick Medicare Systems Llp |
| 6 | Edodwaja Private Limited |
| 7 | Thinkmonk Edutech Private Limited |
| 8 | Bharatiya EV (OPC) Private Limited |
| 9 | Magnity |
| 10 | Agrodroid Private Limited |
| 11 | Brand Hashira |

H. List if any break through Innovations / Technology Developed at the institute

1. Idea/PoC Title:Optimus – Smart Pill Companion.

Abstract of Idea/PoC:

The ever-growing demand of urbanization, industrialization and globalization has seen a significant rise in medical conditions around the world. We have come to a day and age where every individual is in a race against time. With busy lifestyles and increase in the number of micro families, keeping track of medication always seems to be a challenge. There are 5.2 million deaths due to medical negligence, 1 million of which happen due to non-adherence. Hence, we have come up with a solution - one that will not only save lives but also save unavoidable medical expenditure of \$600 Billion. The sole purpose of Optimus (Smart Pill Companion) is to provide and support every individual and institution that is dependent on medication. Optimus is the most intelligent and secure automatic pill dispenser with the ability to cater to single/ multiple users simultaneously. With advancements in emerging fields like IOT, the need to provide efficient and prompt healthcare is dominant. With fingerprint and a passcode detection security system, we ensure that we provide the right patient the right medication at the right time. We also provide means for family members, nurses and doctors to continuously track and monitor users. The product can be widely used in hospitals, old age homes, hospices and home healthcare institutions. Our goal is to make life of every individual simple.

2. Idea/PoC Title:Novel Fertilizer and Pesticide Management with Autonomous Drone and Multi-Spectral Imaging Technique.

Abstract of Idea/PoC:

Now-a-days farmers around the globe are finding difficulty to find the labor to spray the pesticides, because spraying the pesticides manually can coz so many diseases and if the farmer inhales the pesticides, it can cause lung infections. Also in present way of spraying, to spray an acre of land it takes 3 to 4 hours of time which exactly depends on the uncertainty of the land. As we were working in Drone technology since 3 years taking this problem as a challenge we had prepared an unmanned aerial vehicle (UAV) which is a exactly a Hexacopter. which can carry a payload of 20 liters of pesticides with an endurance of 18 minutes of flight time, which can spray an acre of land in just 7 to 8 minutes. That implies in a single flight we can spray two acres of farm land. In this way of spraying the pesticides, we have used electrostatic nozzles in order to ensure the more efficiency which can charge the pesticides before leaving from the nozzle, which indeed helps the pesticide to stay on the leaf instead of falling off to the ground. This indirectly helps to maintain the soil fertility and reduce the

dilution from 150 liters to 25 liters ratio. The Drone which we made is fully autonomous and farmer friendly. In order to spray the pesticide just we have to set the coordinates of the crop in maps and send it to the Drone. Besides spraying the pesticides we are also adding a multispectral camera underneath of the Drone which can take the multispectral Geo-tagged images of the crop to find the vegetation indices like NDVI,EVI etc... which helps us to find the chlorophyll content in each and every plant. Using this we can find how much of yield the crop is going to give. And also we can spray the pesticides in a smarter way rather than spraying them constantly according to the chlorophyll map

3. Idea/PoC Title: Plant Health Monitoring Robot with an Intelligent Gripper

Abstract of Idea/PoC:

Helps farm-owners to better understand crops affected by diseases, save crops, save money, and detect affected areas. Sometimes the disease-affected crops aren't seen by naked eyes and then these diseases through the roots spread to other plants and affect them too. To minimize this problem and crop losses we have come up with an idea of a robot, which would detect affected crops and notify the farmers. The robot would go into the farm, click pictures of the plants, and store in a matrix form, and then these images are compared with the datasets given in the database. After the comparison is done a full health report is generated and the percentage of unhealthiest is shown on a bar graph, based on the unhealthiest suggestions and advices are given regarding what can be used to get the crop back.

4. Idea/PoC Title: Crime Registration Interface

Abstract of Idea/PoC: We provide a solution - Crime Registration Interface, an interactive web interface. The main objective of our model is to provide a 24x7 online crime-reporting provision. This interface allows victims and witnesses of a crime to report the incident at any time and any place. It eases the task of recording and digitalization of the crime hence removing the hectic task of paper work. It also enables easy file sharing and accessing. Our model is an easy-to-use interface built on client-server architecture. It is built with the capabilities of speech-to-text and text-to-speech. Apart from recording the crime, it also provides insights of the crimes for analysis purposes. One such characteristic in our model is a crime map which shows the density of crimes reported by location. Totally, our model is successful in registering the crime online, and providing crime analysis and awareness.

5. Idea/PoC Title: New Gen Faucet

Abstract of Idea/PoC: The product New Gen Faucet has unique features as integrated product and water saving technology. The primary research for the product was done with the targeted customers by conducting the survey with them. The secondary research was laid on the sample usage of the product and application of the reviews by the customer as feedback and obtained the better

design of the product with complete integrated features of automatic hand wash, soap dispenser and dryer.

6. Idea/PoC Title: ZaminDAR - Instantaneous Analysis of Soil Nutrients Using IOT Based Kiosk and Machine Learning.

Abstract of Idea/PoC: Soil testing in our country is done manually, in the soil testing laboratories. This type of testing takes time and it is not instantaneous. There are solutions available for this problem in the global market, but unlike their products which are very expensive and have a necessity for internet service, our kiosk model device is a new product design. The cost of per test is at affordable rates and it has no need for internet. It is expected to be installed in every panchayat office of the village where every farmer can easily access the device.

I. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

NIRF RANKING - 2024



ARIIA RANKING -2021



IIC Rating in Academic Year 2022-23



IIC Rating in Academic Year 2021-22



NIRF - Innovation Rank:

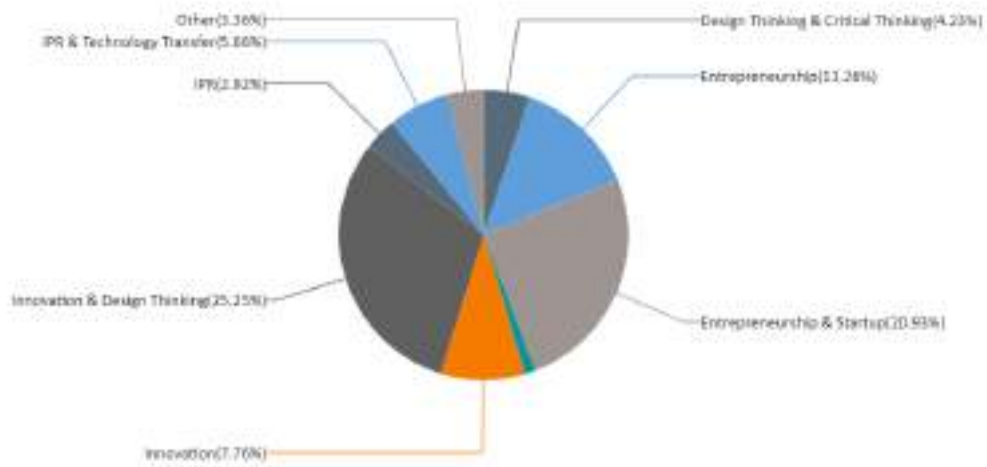


Letter of Appreciation:



Performance of IIC-SNIST - Impact Metrics:

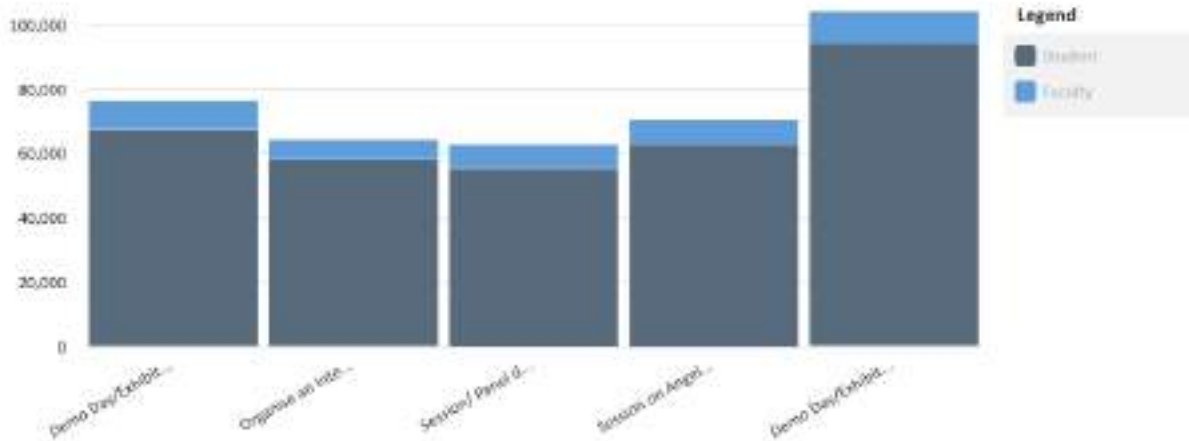
Activity By Theme



Overall Impact

Total Student: 24,167,654

Total Faculty: 5,693,487



My Activities

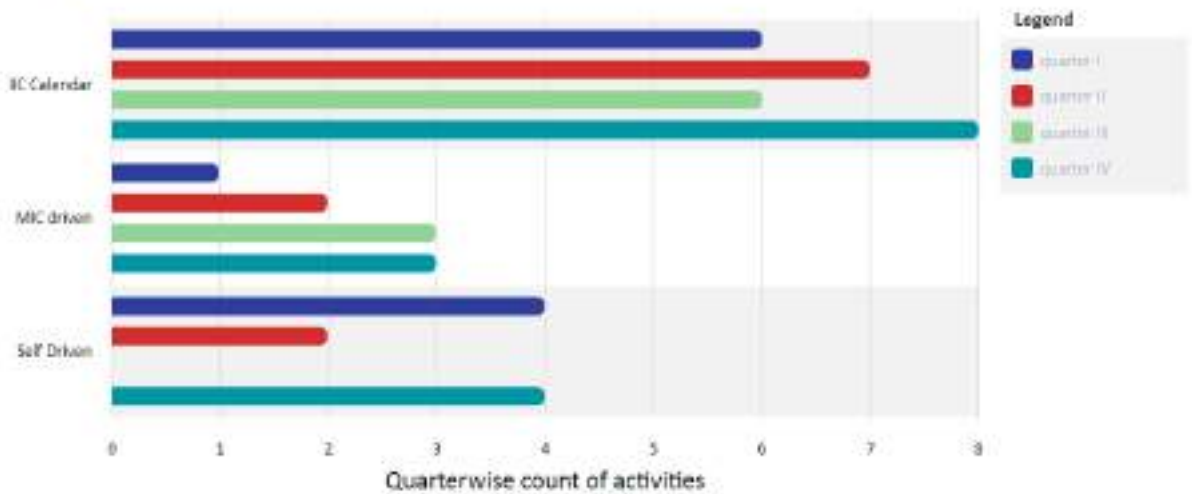


Chart For

IIC Calendar Activity ▾

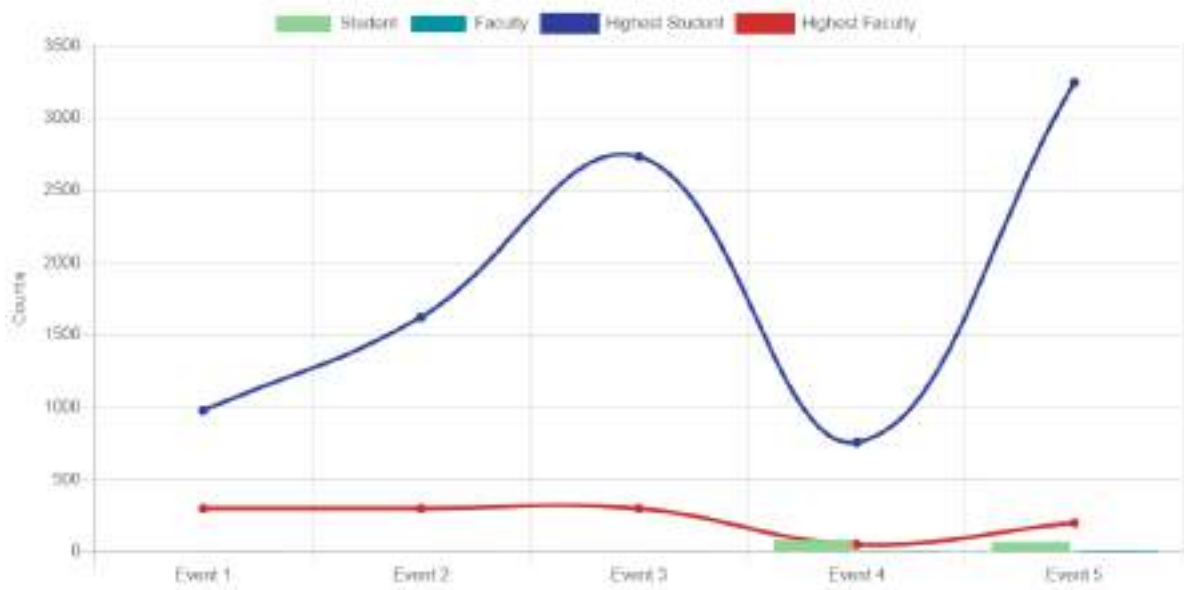


Chart For

MIC Driven Activity ▾

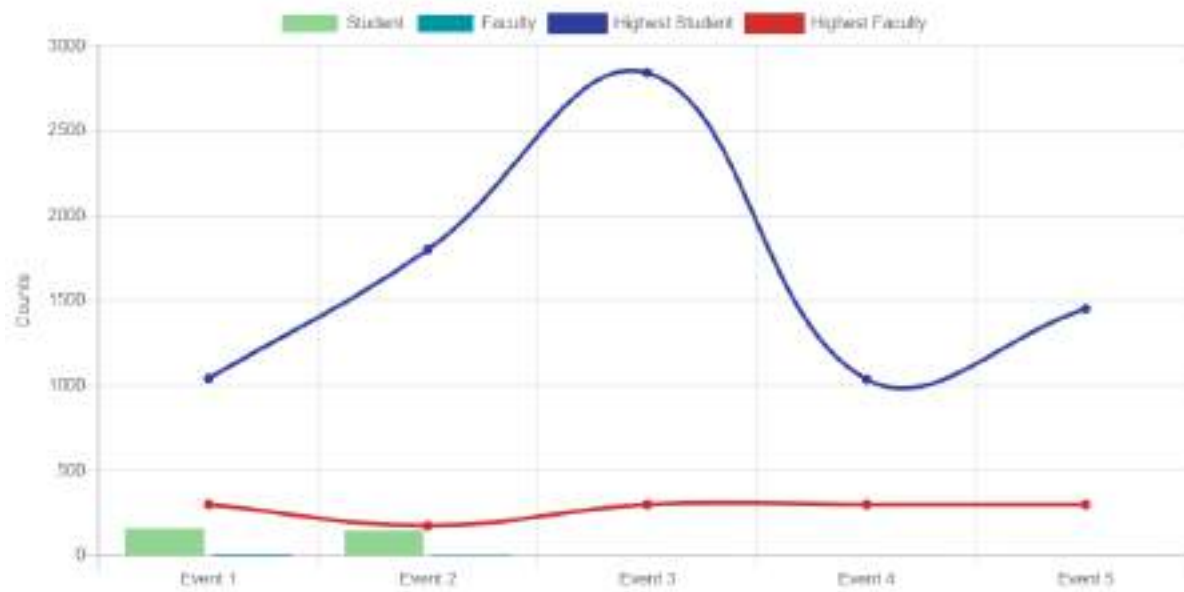
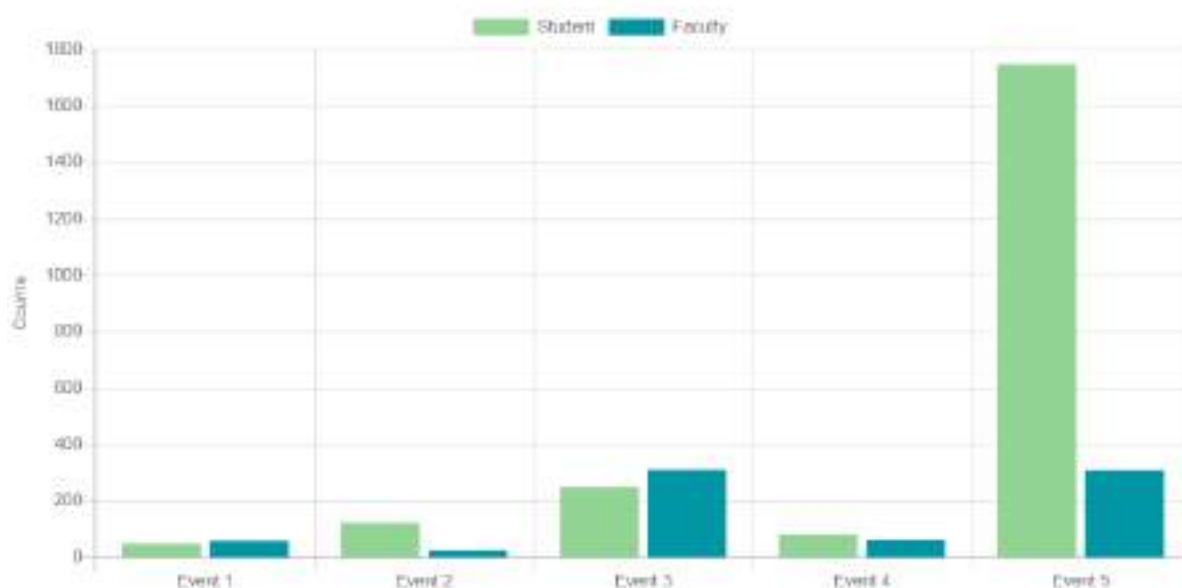


Chart For
Self Driven Activity



- **NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation:**

NISP Policy Link:

<https://www.sreenidhi.edu.in/attachments/R&D/SNIST%20Innovation%20and%20Incubation%20Policy%20June%202021.pdf>

SNIST Innovation and Incubation Policy Committee (SNIST-IIPC)

| SI. No. | SNIST-IIPC Committee Members | Designation & Association |
|---------|------------------------------|---|
| 1. | Mr.AbhijitRao K | Chairman, SNIST-IIPC CEO, SNIST Member Board of Governors |
| 2. | Dr. T. Ch. Siva Reddy | Ex-officio SNIST-IIPC Principal SNIST |
| 3. | Dr. Shruthi Bhargava Choubey | Convener SNIST-IIPC President Innovation Council Dean Innovation and Research |
| 4. | Mr.BhaskarGandhavadi | Training & Content Portfolio at ServiceNow. Former Director TASK |
| 5. | Dr.Dr.Vijayakumari G | Director JHUB, Professor CSE Dept. JNTUH |
| 6. | Mr.Bhuesh Kumar | Director (Agri-Food), Research and Innovation Centre of Hyderabad |

| | | |
|-----|-------------------------------------|---|
| | | (RICH) |
| 7. | Prof G S Prasad | Director, RITE/TIE-U University of Hyderabad |
| 8. | Mr.PranavHebbar | Co-Founder Make Room INDIA |
| 9. | Mr.BhanuPrakashVarla | Director, Co-founder Gray Logic Technologies |
| 10. | Dr.SuryamaniTriphati | Legal Counsel ICRISAT |
| 11. | ShriPankajDiwan | Founder and CEO Idealabs |
| 12. | Members of SNIST Innovation Council | |
| | a. Dr.K.Harinadh | MBA Department |
| | b. Dr. B. Madhura (MBA) | MBA Department |
| | c. Dr. K. Deekshith (EEE) | EEE Department |
| | d. Mrs.DivyaNaadem (IT) | IT Department |

• **Events Participated by Students and Faculty:**

| S.No. | Activity Name | Event Date | Student Participants | Faculty Participants |
|-------|---|------------|----------------------|----------------------|
| 1 | National Entrepreneurship Day | 11/9/2023 | 60 | 4 |
| 2 | Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc. | 12/8/2023 | 60 | 25 |
| 3 | Exposure and field visit for problem identification | 11/13/2023 | 68 | 2 |
| 4 | IIC Regional Meet 2023-24 | 12/11/2023 | 30 | 4 |
| 5 | National Energy Conservation Day(India) | 12/14/2023 | 65 | 10 |
| 6 | Session on Problem Solving and Ideation Workshop | 10/5/2023 | 180 | 10 |
| 7 | My Story - Motivational Session by Successful Entrepreneur/Start-up founder. | 11/16/2023 | 160 | 5 |
| 8 | My Story - Motivational Session by Successful Innovators. | 11/21/2023 | 180 | 10 |
| 9 | Session on Achieving Problem-Solution Fit & Product-Market Fit | 1/5/2024 | 170 | 5 |
| 10 | Workshop on Design Thinking, Critical thinking and Innovation Design | 1/3/2024 | 140 | 5 |
| 11 | Workshop on Entrepreneurship Skill, Attitude and Behaviour Development | 12/12/2023 | 180 | 10 |

| | | | | |
|----|---|------------|-----|-----|
| 12 | An Orientation Session on TiE Grad Plus - Kick Off to Global Winning Competition for Startups- 2024 | 1/10/2024 | 67 | 5 |
| 13 | Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas. | 11/21/2023 | 75 | 10 |
| 14 | Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support. | 9/25/2023 | 322 | 0 |
| 15 | Workshop on an Entrepreneurship and Innovation as Career Opportunity | 11/24/2023 | 68 | 6 |
| 16 | A State Level Hackathon on Innovations to Solve Local Problems (Hash it Out) | 10/6/2023 | 50 | 0 |
| 17 | Faculty Innovation and Research Awards Ceremony - 2023 | 9/15/2023 | 0 | 250 |
| 18 | Organising Innovation & Entrepreneurship Outreach Program in Schools/Community | 2/5/2024 | 70 | 10 |
| 19 | Organise Viksit Bharat@2047 Utsav in Campus and Watch the Inaugural Adress by Honâ€™ble Prime Minister of India on 11th Dec. 2023 | 12/11/2023 | 60 | 5 |
| 21 | Organize an Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations. | 12/19/2023 | 200 | 60 |
| 22 | Expert talk on Process of Innovation Development & Technology Readiness Level (TRL)& Commercialisation of Lab Technologies & Tech-Transfer | 2/24/2024 | 150 | 12 |
| 23 | One Week Institute, Industry and Professional Body Hybrid Mode Short Term Training Program on Emerging Innovations - Battery Management in EV | 10/9/2023 | 150 | 100 |
| 24 | National Startup Day | 1/16/2024 | 120 | 10 |
| 25 | National Science Day | 2/28/2024 | 80 | 12 |
| 26 | Innovation Day | 10/15/2023 | 70 | 20 |
| 27 | Report on Hackathon on Innovation in the field of programming | 10/5/2023 | 150 | 10 |
| 28 | Celebration of National Engineer's Day - 2023 | 9/15/2023 | 70 | 12 |
| 29 | An Expo of E-Sports Startup College Rivals at SNIST | 10/4/2023 | 100 | 0 |
| 30 | A Business Talk by Founders of Student Tribe Startup (St.) | 9/26/2023 | 80 | 12 |
| 31 | An Expert Session on Startup Idea Validation by T- Hub's Kick Start Program | 2/28/2024 | 60 | 10 |
| 32 | Expert Talk on Survive As an Entrepreneur by T- Hub and Sreenidhi's Ascend | 2/23/2024 | 60 | 5 |
| 33 | A Five day Capacity Building and Innovative Skills Development for Students and Faculty | 2/22/2024 | 40 | 10 |

| | of MIT - WPU | | | |
|----|--|------------|-----|----|
| 34 | Innovative Idea Exhibition on the occasion of Kisan Diwas | 12/23/2023 | 70 | 10 |
| 35 | International Women Day | 3/8/2024 | 40 | 30 |
| 36 | Independence Day- Celebrating Aazadi Ka Amritkal | 8/15/2024 | 120 | 10 |
| 37 | International Yoga Day - To Enhance Innovation and creativity thought process | 6/21/2024 | 90 | 10 |
| 38 | Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs. | 7/24/2024 | 30 | 10 |
| 39 | Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs | 7/22/2024 | 25 | 10 |
| 40 | World Creativity and Innovation Day | 4/21/2024 | 70 | 5 |
| 41 | Organise an Inter/Intra Institutional Start-up Competition and Reward Best Start-ups. | 6/20/2024 | 65 | 10 |
| 42 | Organise an Inter/Intra Institutional Business Plan Competition and Reward Best Innovations | 4/1/2024 | 70 | 10 |
| 43 | World Environment Day | 3/5/2024 | 110 | 20 |
| 44 | Session on How to plan for Start-up and legal & Ethical Steps | 3/12/2024 | 60 | 10 |
| 45 | Workshop on Prototype/Process Design and Development | 5/6/2024 | 200 | 20 |
| 46 | Organise Session on Lean Start-up & Minimum Viable Product/Business - Boot Camp (or) Mentoring Session | 7/3/2024 | 120 | 5 |
| 47 | Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level | 6/10/2024 | 65 | 7 |
| 48 | Session/ Workshop on Business Model Canvas (BMC) | 3/29/2024 | 150 | 15 |
| 49 | National Technology Day | 5/11/2024 | 70 | 5 |
| 50 | Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support | 5/27/2024 | 200 | 20 |
| 51 | UI-UX DESIGNING HACKATHON | 7/6/2024 | 150 | 18 |
| 52 | An Expert Talk on Business Opportunities in the Government sector for Engineering Graduates | 6/24/2024 | 70 | 10 |
| 53 | Organising Innovation & Entrepreneurship Outreach Program in Schools/Community | 6/4/2024 | 60 | 5 |
| 54 | Hackarabad - A Two day workshop and hackathon on Software Designing and Development | 3/5/2024 | 150 | 0 |
| 55 | A one day Alumni " Expert talk on Leadership and Innovative Technologies | 7/10/2024 | 70 | 4 |

| | | | | |
|-------------------------------------|--|-----------|-------------|-------------|
| 56 | An Expert Talk on Analog and Digital Design Using CMOS & Finfet Technology and Innovation | 6/14/2024 | 60 | 5 |
| 57 | An Interaction Session on Unlocking New Opportunities with FTCCI- Industry and Academia Connect to Enrich Innovation and Creativity | 5/29/2024 | 65 | 5 |
| 58 | One Day Workshop on System Designing and Prototyping | 4/3/2024 | 55 | 5 |
| 59 | A four day CyberTron workshop and Hackathon on Cyber Security Tools and Techniques | 3/12/2024 | 78 | 4 |
| 60 | A One-Day Interaction and inauguration of Hexagon R&D India in establishing the state-of-the-art SDx lab advancement in driving new-age innovation | 6/5/2024 | 50 | 10 |
| 61 | Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members, Innovation Ambassadors (IA) in IIC Institutions, and Rewarding Mechanisms for IAs | 7/29/2024 | 41 | 15 |
| 62 | Strengthening IIC Linkages with ATLS and SICs in Schools and the Framework for Providing Mentorship and Guidance | 7/31/2024 | 45 | 15 |
| 63 | Building the Pipeline of Quality Innovations and Startups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR) | 8/2/2024 | 45 | 15 |
| 64 | Orientation cum Refreshers Session on Institutions Innovation Council Objectives, Structure, Operation for IIC Institutions | 8/5/2024 | 45 | 10 |
| 65 | 4th Anniversary of National Education Policy (NEP) 2020 | 7/29/2024 | 70 | 10 |
| 66 | National Youth Day | 1/12/2024 | 80 | 10 |
| 67 | World Intellectual Property Day | 4/26/2024 | 100 | 12 |
| 68 | World Entrepreneurs Day | 8/21/2024 | 60 | 10 |
| 69 | Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/ Technology Transfer Centre such as Atal Incubation Centre etc | 3/18/2024 | 60 | 3 |
| 70 | Session on Innovation/Prototype Validation “ Converting Innovation into a Start-up or Session on Achieving Value Proposition and Business Fit | 6/20/2024 | 65 | 5 |
| Total Number of Participants | | | 6309 | 1027 |

| No of Faculty Trained on Entrepreneurship, Design Thinking | | | | |
|---|-------------------------------|-----------------------------|---------------------|-------------|
| S.No | Name of the Faculty | Name of the Training | Organized By | Date |
| 1) | Dr B Madhura | IIC Basic IA Training. | MIC | Aug-2024 |
| 2) | Dr. Divya Naadem | IIC Basic IA Training. | MIC | Aug-2023 |
| 3) | Dr. P. Nithish Reddy | IIC Basic IA Training. | MIC | July-2024 |
| 4) | Dr. Y. Rohita | IIC Basic IA Training. | MIC | July-2024 |
| 5) | Mrs. P. Rekha | IIC Basic IA Training. | MIC | July-2024 |
| 6) | Dr. MTL Gayatri | IIC Basic IA Training. | MIC | Aug-2024 |
| 7) | Ms.Jenifer Aster Fernandez | IIC Basic IA Training. | MIC | July-2024 |
| 8) | Mr. Aloor Chinmaya Sai Ganesh | IIC Basic IA Training. | MIC | July-2024 |
| 9) | Dr Abhishek Choubey | IIC Basic IA Training. | MIC | July-2024 |
| 10) | Dr.Shruti Bhargava Choubey | IIC Advanced IA Training | MIC | Aug-2024 |
| 11) | Dr. K. Harinadh | IIC Advanced IA Training | MIC | Sept-2024 |
| 12) | Dr B Madhura | IIC Advanced IA Training | MIC | Aug-2024 |
| 13) | Dr. Divya Naadem | IIC Advanced IA Training | MIC | Aug-2024 |
| 14) | Dr. P. Nithish Reddy | IIC Advanced IA Training | MIC | July-2024 |
| 15) | Dr. Y. Rohita | IIC Advanced IA Training | MIC | July-2024 |
| 16) | Dr. MTL Gayatri | IIC Advanced IA Training | MIC | July-2024 |
| 17) | Ms.Jenifer Aster Fernandez | IIC Advanced IA Training | MIC | July-2024 |
| 18) | Dr. Mallikarjuna Mudda | IIC Advanced IA Training | MIC | Nov-2023 |
| 19) | Dr. Santhosh N | IIC Advanced IA Training | MIC | Nov-2023 |
| 20) | Mr. Aloor Chinmaya Sai Ganesh | IIC Advanced IA Training | MIC | July-2023 |
| 21) | Dr Abhishek Choubey | IIC Advanced IA Training | MIC | July-2023 |

| | | | | |
|-----|-------------------------------|----------------------------|-----|-----------|
| 22) | Dr.Shruti Bhargava Choubey | IIC Reskilling IA Training | MIC | Aug-2024 |
| 23) | Dr B Madhura | IIC Reskilling IA Training | MIC | Aug-2024 |
| 24) | Dr. P. Nithish Reddy | IIC Reskilling IA Training | MIC | July-2024 |
| 25) | Dr. K. Harinadh | IIC Reskilling IA Training | MIC | Sept-2024 |
| 26) | Dr. Y. Rohita | IIC Reskilling IA Training | MIC | July-2024 |
| 27) | Dr. MTL Gayatri | IIC Reskilling IA Training | MIC | Aug-2024 |
| 28) | Ms.Jenifer Aster Fernandez | IIC Reskilling IA Training | MIC | July-2024 |
| 29) | Mr. Aloor Chinmaya Sai Ganesh | IIC Reskilling IA Training | MIC | July-2024 |



SNIST Faculty Participate in T-Hub's Exclusive Kickstart Program to Build Capacity and Empower Students on Campus to Lead the Evolving Technology Landscape.



STUDENT INNOVATION AWARDS

| TEAM NAME | NAME | ROLL NO | BRANCH | YUKTI FUND |
|---------------------|-----------------------------------|------------|--------|------------|
| Mentor | Dr Shruti Bhargava Choubey | | | |
| krishi ayudh | K.LAKSHMI SAI AASRITHA | 21311A1246 | IT | 2L |
| | K.SUDHAMAI | 21311A04H5 | ECE | |
| | LIKITH MULLAPUDI | 21311A0205 | EEE | |
| matsya | Kondadi Harshith | 21311A05C1 | CSE | 3L |
| | M Purnnaa Mannoj | 21311A0569 | CSE | |
| | E Renish | 21311A0591 | CSE | |
| Ozze | Kohima boga | 21311A04U1 | ECE | 2L |
| | Huda Muskan | 21311a0533 | CSE | |
| | N. Spandana | 21311A04G1 | ECE | |
| Flow Technologies | Mouryan | 22311A04K6 | ECE | 6L |
| | Saiprasa | 22311A04N2 | ECE | |
| | Surya Tejaa | 21311A04CK | ECE | |
| Terra Smart Compost | Sunku Giridhar Shanmukh | 21311A1994 | ECM | 2L |
| | Goney Aditya | 21311A1995 | ECM | |
| | Devershetty Nehal | 21311A19C5 | ECM | |
| Kamadhenuvu | Pundra Sudhensh Reddy | 21311A04DB | ECE | 3L |
| | Mohammed Sannan Ahmed | 21311A19C2 | ECM | |

Inspiring innovation and inclusivity at Wiki Women Hackathon

SNIST Team A's multilingual Wikipedia web app project reflects their commitment to breaking down the world's language barriers.



Our heartfelt congratulations to Bhavani, Vaishnavi, and Pranavi for their well-deserved recognition!

Breaking Barriers and Leading the Way!



Kudos to Our Dean of Innovation Dr. Shruti Bhargava Choubey for being recognised as the "Youngest Woman CEO in Innovation and Incubation" at the Asia Leadership Awards in Mumbai.



List of Patents Students and Faculty Members:

| | | | | |
|---|--------------|--|--------|-----------|
| 1 | 202341063826 | System for Employing Deep Learning for Textile Quality Assurance | SNIST, | 6/10/2023 |
| 2 | 202341064243 | AN EMOTIONALLY INTELLIGENT MUSIC RECOMMENDER SYSTEM | SNIST, | 6/10/2023 |
| 3 | 202341063825 | SYSTEM AND METHOD FOR DETECTING FORGERY | SNIST, | 6/10/2023 |
| 4 | 202341063823 | System for Scripted Mathematical Expression Resolver | SNIST, | 6/10/2023 |
| 5 | 202341063824 | System for Employment Hunting and Method of use thereof | SNIST, | 6/10/2023 |
| 6 | 202341064244 | CHEST X-RAY-BASED PNEUMONIA PREDICTION SYSTEM | SNIST, | 6/10/2023 |

| | | | | |
|----|-------------------|--|--|--------------------------|
| 7 | 202341064242 | Remote Control System with Wireless Connectivity | SNIST, | 6/10/2023 |
| 8 | 202341064245 | AGRISEED PRO SYSTEM | SNIST, | 6/10/2023 |
| 9 | 202341064246 | NLP-DRIVEN WHATSAPP CHAT ANALYSIS: A MACHINE LEARNING APPROACH | SNIST, | 6/10/2023 |
| 10 | 202341063827 | SYSTEM FOR AUTOMATED COVID-19 DETECTION VIA X-RAY IMAGING | SNIST, | 6/10/2023 |
| 11 | 202341087984 A | : A SMART FOOD ORDERING METHOD FOR CORPORATE EMPLOYEES | ALLOOR CHINMAYA SAI GANESH 3)DR. SHRUTI BHARGAVA CHOUBEY 4)ALCHALA TEESA REDDY 5)SEANNA PALAPATI 6)ABHISHEK CHOUBEY | 22/12/2023 12/01/2024 |
| 12 | 202341087982 A | SHE WHEELS SYSTEM | 2)JENIFER ASTER FERNANDEZ 3)SEEJA N P 4)M SRIKANTH 5)KARIMIKONDA HARINADH | 22/12/2023 12/01/2024 |
| 14 | 202341087983 A | DYNAMIC CRICKET BATTING PRACTICE BALL SYSTEM | 2)AJAY SADIRAM 3)DR. SHRUTI BHARGAVA CHOUBEY | 22/12/2023 12/01/2024 |
| 15 | 202341071403 | Facial Recognition System For An Automated Teller Machine | SNIST | 1/12/2023 |
| 16 | 202341071405 | Power Generation System Using Forearm Exercise Machine | SNIST | 1/12/2023 |
| 17 | 202341071401 | Machine Learning Based Sales Forecasting System | SNIST | 1/12/2023 |
| 18 | 202341071404 | A Distributed Denial Of Service (Ddos) Attack Detection System | SNIST | 1/12/2023 |
| 19 | 202341071402 | Fly Ash Particulate Reinforced Aluminum Alloy Matrix Composite | SNIST | 1/12/2023 |
| 20 | 202341074697 | PENDULUM BASED WATER PUMP | SNIST | 15/12/2023 |

| | | | | |
|----|-------------------|---|------------------|------------|
| 21 | 202341067315 A | HIGH-PRESSURE GAS BOTTLE ANALYZATION SYSTEM | SNIST | 24/11/2023 |
| 22 | 202341067317 A | AN INLINE SOLENOID ENGINE | SNIST | 24/11/2023 |
| 23 | 202341074705 | DESIGN AND DEVELOPMENT OF UNI-DIRECTIONAL LAMINATE | SNIST | 15/12/2023 |
| 24 | 202341067319 A | AIR COMPRESSOR-BASED VEHICLE GROUND CLEARANCE ENHANCEMENT SYSTEM | SNIST | 24/11/2023 |
| 25 | 202341067320 A | AN ELECTROMAGNETIC AUTOMATIC BRAKING SYSTEM FOR ENHANCED AUTOMOTIVE | SNIST | 24/11/2023 |
| 26 | 202341067321 A | SMART DRILLING DEVICE | SNIST | 24/11/2023 |
| 27 | 202341082046 A | : SMART ENTRY SYSTEM | SNIST 02/12/2023 | 22/12/2023 |
| 28 | 202341082045 A | AN EMERGENCY VEHICLE TRAFFIC MANAGEMENT SYSTEM | 02/12/2023 SNIST | 22/12/2023 |
| 29 | 202341082044 A | POWER GENERATION SYSTEM USING ELECTROMAGNETIC SHOCK ABSORBER | SNIST 02/12/2023 | 22/12/2023 |
| 30 | 202341082043 A | INTRUSION DETECTION METHOD USING VOTING-BASED NEURAL NETWORK | SNIST 02/12/2023 | 22/12/2023 |
| 31 | 202341082042 A | SMART SURVEILLANCE ROBOT | SNIST 02/12/2023 | 22/12/2023 |
| 32 | 202341082041 A | A SMART SHOPPING CART SYSTEM AND METHOD THEREOF | SNIST 02/12/2023 | 22/12/2023 |
| 33 | 202341082040 A | A SMART ENERGY MANAGEMENT SYSTEM | SNIST 02/12/2023 | 22/12/2023 |
| 34 | 202341082093 A | SMART FLEET MANAGEMENT SYSTEM | SNIST 02/12/2023 | 22/12/2023 |
| 35 | 202341082094 A | DRONE-BASED MONITORING SYSTEM WITH ADVANCED SENSORS | SNIST 02/12/2023 | 22/12/2023 |

| | | | | |
|----|-------------------|--|------------------|------------|
| 36 | 202341082095 A | AN AUTONOMOUS ROBOTIC FLOATING TRASH COLLECTING BOAT SYSTEM AND METHOD THEREOF | SNIST 02/12/2023 | 22/12/2023 |
| 37 | 202341078696 A | LIQUIFIED PETROLEUM GAS (LPG) REFRIGERATION SYSTEM | SNIST | 29/12/2023 |
| 38 | 202341074695 | DESIGN AND PROTOTYPING OF AUTOMATIC SOLAR PANEL CLEANING SYSTEM | SNIST | 15/12/2023 |
| 39 | 202341078697 A | PRODUCT QUALITY MONITORING SYSTEM | SNIST | 29/12/2023 |
| 40 | 202341074707 | FABRICATION OF CERAMIC MATRIX COMPOSITE FOR HIGH TEMPERATURE APPLICATIONS | SNIST | 15/12/2023 |
| 41 | 202341083160 A | A SYSTEM AND METHOD FOR INVISIBLE FENCING WITH HIDDEN CODE | 6/12/2023 | 29/12/2023 |
| 42 | 202341083161 A | A GPS AND GSM MODEM- BASED SAFETY DETECTION SYSTEM | 6/12/2023 | 29/12/2023 |
| 43 | 202341083162 A | SMART RATION DISTRIBUTION UNDER PUBLIC DISTRIBUTION SYSTEM (PDS) | 6/12/2023 | 29/12/2023 |
| 44 | 202341083163 A | REAL-TIME MONITORING OF SOLDIER'S HEALTH PARAMETERS AND LOCATION | 6/12/2023 | 29/12/2023 |
| 45 | 202341083164 A | A COIN BASED MOBILE CHARGING SYSTEM | 6/12/2023 | 29/12/2023 |
| 46 | 202341083165 A | SMART KASHAYA MAKING SYSTEM AND METHOD THEREOF | 6/12/2023 | 29/12/2023 |
| 47 | 202341083167 A | A REVERSE SHELL SECURITY METHOD WITH PERSISTENCE | 6/12/2023 | 29/12/2023 |
| 48 | 202341083168 A | FOOTSTEP POWER GENERATION SYSTEM WITH ENERGY STORAGE SYSTEM | 6/12/2023 | 29/12/2023 |
| 49 | 202341074706 | IOT BASED AGRICULTURAL MONITORING ROBOT | SNIST | 15/12/2023 |

| | | | | |
|----|-------------------|--|-----------|--------------------------|
| 50 | 202341074708 | DEVELOPMENT OF MOBILE PLATFORM BETWEEN RAILWAY TRACKS | SNIST | 15/12/2023 |
| 51 | 202341074709 | MAGNETIC SEPARATOR WITH MECHANIZED SIEVE | SNIST | 15/12/2023 |
| 52 | 202341074693 | IMPROVING THE PRODUCTIVITY OF SINGLE BASIN SINGLE SLOPE SOLAR STILL | SNIST | 15/12/2023 |
| 53 | 202341083166 A | HELMET AND NUMBER PLATE DETECTION SYSTEM | 6/12/2023 | 29/12/2023 |
| 54 | 202341083169 A | AN INTELLIGENT COURIER MAILBOX SYSTEM | 6/12/2023 | 29/12/2023 |
| 55 | 202341083170 A | A SMART NOTIFICATION SYSTEM FOR HUMAN SAFETY IN PATROLLING VEHICLES | 6/12/2023 | 29/12/2023 |
| 56 | 202341083171 A | TAMPER PROOF DEVICE | 6/12/2023 | 29/12/2023 |
| 57 | 202341083172 A | CARDIAC HEALTH MONITORING AND ALERT SYTEM | 6/12/2023 | 29/12/2023 |
| 58 | 202341083173 A | INTELLIGENT MANHOLE MONITORING SYSTEM | 6/12/2023 | 29/12/2023 |
| 59 | 202341085291 A | AN INTELLIGENT FIRE ALERT SYSTEM | SNIST | 14/12/2023 12/01/2024 |
| 60 | 202341085292 A | THE VAPOUR COMPRESSION ABSORPTION REFRIGERATION SYSTEM | SNIST | 14/12/2023 12/01/2024 |
| 61 | 202341085293 A | AN EFFICIENT FOOD DELIVERY SYSTEM | SNIST | 14/12/2023 12/01/2024 |
| 62 | 202341085294 A | A MINIMUM QUANTITY LUBRICATION (MQL) SYSTEM | SNIST | 14/12/2023 12/01/2024 |
| 63 | 202341085295 A | AUTOMATIC MAGNETIC BABY CRADLE | SNIST | 14/12/2023 12/01/2024 |
| 64 | 202341085404 A | METHOD FOR OPTIMIZING A LOCATION AND CAPACITY ESTIMATION OF DISTRIBUTED GENERATION | SNIST | 14/12/2023 12/01/2024 |

| | | | | |
|----|-------------------|--|---|--------------------------|
| 65 | 202341085405 A | A GUIDED MEDITATION DEVICE | SNIST | 14/12/2023 12/01/2024 |
| 66 | 202341085406 A | AI BASED AUTOMOBILE FAULT PREDICTING SYSTEM AND METHOD OF USE THEREOF | SNIST | 14/12/2023 12/01/2024 |
| 67 | 202341085407 A | VEHICULAR COMPONENTS HEALTH MONITORING SYSTEM AND METHOD THEREOF | SNIST | 14/12/2023 12/01/2024 |
| 68 | 202341085408 A | METHOD FOR MANUFACTURING FILLER WIRE FROM MACHINING SCRAPS | SNIST | 14/12/2023 12/01/2024 |
| 69 | 202341085409 A | MULTI-OPERATION DEVICE | SNIST | 14/12/2023 12/01/2024 |
| 70 | 202441050637 | TERRA-SMART COMPOST SYSTEM | 1 . RATNALA SAIGANESH 2 . SUNKU GIRIDHAR SHANMUKH 3 . GONE ADITYA 4 . YARAMADHI MOHANA LAXMI 5 . DEVERSHETTY NEHAL 6 . DR. SHRUTI BHARGAVA CHOUBEY 7 . ALOOR CHINMAYA SAI GANESH | 5/7/2024 |
| 71 | 202341087984 | A SMART FOOD ORDERING METHOD FOR CORPORATE EMPLOYEES | 1 . SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY 2 . ALOOR CHINMAYA SAI GANESH 3 . DR. SHRUTI BHARGAVA CHOUBEY 4 . ALCHALA TEESA REDDY 5 . SEANNA PALAPATI 6 . ABHISHEK CHOUBEY | 21/01/2024 |

| | | | | |
|----|--------------|---|---|-----------|
| 72 | 202341087982 | SHE WHEELS SYSTEM | 1 . SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY 2 . JENIFER ASTER FERNANDEZ 3 . SEEJA N P 4 . M SRIKANTH 5 . KARIMIKONDA HARINADH 6 . VEERAMALLY RASAGNA 7 . PALLAVI MITTAPALLY 8 . AVIRENI SIRI CHANDANA 9 . ALOOR CHINMAYA SAI GANESH | 12/1/2024 |
| 73 | 202441050636 | SMART WATER DISTRIBUTION SYSTEM | 1 . ALOOR CHINMAYA SAI GANESH 2 . JENIFER ASTER FERNANDEZ 3 . DR. SHRUTI BHARGAVA CHOUBEY 4 . ABHISHEK CHOUBEY 5 . HUDA MUSKAN | 5/7/2024 |
| 74 | 202341087983 | DYNAMIC BATTING PRACTICE BALL SYSTEM | 1 . SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY 2 . AJAY SADIRAM 3 . DR. SHRUTI BHARGAVA CHOUBEY | 12/1/2024 |
| 75 | 202441050638 | LARGE SCALE COMPOSTING METHOD | 1 . SUNKU GIRIDHAR SHANMUKH 2 . RATNALA SAIGANESH 3 . GONE ADITYA 4 . YARAMADHI MOHANA LAXMI 5 . DEVERSHETTY NEHAL 6 . DR. D. MOHAN | 5/7/2024 |

| | | | | |
|----|--------------|---|---|------------|
| 76 | 202441053043 | A METHOD FOR A SMART BARCODE SCANNER WITH A CLOUD BASED DATABASE MANAGEMENT | 1 . HARSHITH KONDADI 2 . E RENISH 3 . M PURNNA MANN 4 . DR. SHRUTI BHARGAVA CHOUBEY 5 . DR. S.P.V. SUBBA RAO | 19/07/2024 |
| 77 | 202441051665 | BLOCKCHAIN-BASED CERTIFICATE VERIFICATION SYSTEM | 1 . POLNATISURYA TEJAA 2 . DEVARUPPALA BHARATH 3 . HARSHITH KONDADI 4 . ALCHALA TEESA REDDY 5 . SHERI SNEHITH 6 . ABHISHEK CHOUBEY 7 . DR. S.P.V. SUBBA RAO | 12/7/2024 |
| 78 | 202441054544 | GPS enhanced life jacket system | 1 . KODAVATIGANTI KALYANI 2 . HARSHITH KONDADI 4 . E RENISH 5 . M PURNNA MANN 6 . DR. ARUNA VARANASI | 2/8/2024 |
| 79 | 202441051666 | LOCALIZED FOOD AND NUTRIENT INFORMATION SYSTEM | 1 . SHERI SNEHITH 2 . ALCHALA TEESA REDDY 3 . ASHISH 4 . TALAGAMA AISHWARYA 5 . DR. ARUNA VARANASI | 12/7/2024 |
| 80 | 202441053015 | A SMART JUICE DISPENSING SYSTEM | 1 . MR. G. SAKET 2 . DR. SHRUTI BHARGAVA CHOUBEY 3 . ABHISHEK CHOUBEY | 19/07/2024 |
| 81 | 202441052990 | INSTITUTIONAL VEHICLE POOLING SYSTEM | 1 . ALCHALA TEESA REDDY 2 . SHERI SNEHITH 3 . HARSHITH | 19/07/2024 |

| | | | | |
|----|--------------|---|--|-----------|
| | | | KONDADI 4 . POLNATI SURYA TEJAA 5 . PRAGADA SATWIK 6 . DR. SHRUTI BHARGAVA CHOUBEY 7 . ALOOR CHINMAYA SAI GANESH | |
| 82 | 202441052083 | WHEEL FLANGE POWER GENERATION SYSTEM | 1 . REGU SAI KUMAR 2 . KOLA SAI TEJA 3 . KUMBAM AJAY 4 . SADIRAM AJAY 5 . BESAMOLLA ABHISHEK 6 . MUKESH PATTETI 7 . THOTA RAKESH 8 . DR. SHRUTI BHARGAVA CHOUBEY | 12/7/2024 |
| 83 | 202441054587 | Smart Shoes with Remote Control Wheels with App Based Control | 1 . PATLAVATH SAI KIRAN 2 . SAKET GUMUDAVELLI 3 . V S V S ATHUL 4 . KEERTHI TALASILA 5 . ALOOR CHINMAYA SAI GANESH 6 . DR. SHRUTI BHARGAVA CHOUBEY 7 . DR. S. P. V. SUBBA RAO | 2/8/2024 |

J. Detail of Social Media&Connections of IIC institute:

Face Book:<https://www.facebook.com/sreenidhi.hub.9>

Twitter:<https://twitter.com/HubSreenidhi>

Instagram: https://www.instagram.com/sreenidhi_hub/

SNIST Website - IIC : <https://sreenidhi.edu.in/institute-innovation-council-iic/>

K. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

IIC has strengthened the IE Program at the institute wherein activities are organized in a structured manner which covers an early-stage innovator to aspiring entrepreneur. In this regard, IIC has enabled secretion of pathways for students and faculty to learn and build. Institute has organized many self-driven programs beyond the prescribed activity which enhance the skill in technology application and product development through design thinking. As an outcome of our efforts and quality programs conducted, the institute has received top ranking in ARIIA, NIRF, IIC 5.0 and other competitions. The incubation facility has seen an exceptional rise in start-up registrations and students preferring to join start-ups for experience. For future editions of SIH competitions request to provide feedback to students after each evaluation Phase, display scores of evaluators for each aspect of their solution submitted. This help students and mentors improvise and better to prepare next time.

L. Contact

IIC President

Dr. Shruti Bhargava Choubey (Dean - Innovation)

Email ID: shrutibhargava@sreenidhi.edu.in

Mob No: +91 9425010423

Address:Sreenidhi Institute of Science & Technology

Yamnampet, Ghatkesar

Hyderabad - 501 301, Telangana

info@sreenidhi.edu.in, iic@sreenidhi.edu.in

M. Images:



Taking Innovation Global!

SNIST teams up with IES & Factor Y to propel our institute's patents onto the international stage.



SNIST MoU with IP QUAD



SNIST and IPQuad Join Forces to Boost Intellectual Property Services!

SNIST Signs MoU with IKP Knowledge Park to Ignite Next-Gen Innovation and Entrepreneurship!



This Groundbreaking Partnership will Empower the Innovators and Visionaries of Tomorrow.

Unleashing A New Era of Innovation!

SNIST Initiates a New Chapter in Academic Excellence with a Strategic MOU with Engineering Staff College of India (ESCI), Hyderabad



UNLOCKING GLOBAL OPPORTUNITIES!

SNIST proudly partners with Knowledge Foundation
@ Reutlingen University, Germany.



Together, we're bringing cutting-edge programs,
dynamic workshops, and global career opportunities
to our students.





