



VELAMMAL INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



Annual Report 2024-25

A. About IIC Institute

1. Vision / Mission of IIC established at the Institute

Vision

“To create an ecosystem that promotes innovation, nurtures entrepreneurial spirit, and transforms ideas into tangible solutions that address real-world challenges.”

Mission

The mission of the Institute Innovation Cell is to foster a culture of innovation and entrepreneurship, support research-driven solutions, and empower students and faculty to turn ideas into impactful ventures through mentorship, collaboration, and industry partnerships.

2. Journey of IIC established at the Institute

1. Established in the year 2022-2023



2. Awarded single star in the Calendar year 2021-2022:



3. Got single-star rating in 2018-2019



4. Got four-star rating in 2022-2023



5. Got 3.5 –star rating in 2023-2024:



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

1. Established MSME Incubation Centre
2. Established club for conducting the Activities on the following thrust areas
 - a. IPR and Technology transfer
 - b. Innovation
 - c. Incubation
 - d. Design Thinking
3. Established Project Division for motivating students to do innovative projects'
4. EDC cell became very vibrant and conducted all activities related to entrepreneurship regularly, to encourage students
5. IPR cell is established to encourage patent filing of their innovative ideas among the staffs and students
6. Industry Institute partnership cell was established to regulate internship, industry projects for the students and make them industry ready
7. Start-up cell was established and this helped three of our students to register their start-up company in MSME

B. Brief mention of key functionaries at the IIC Institute

| Roles | Name of the Staff | Key Functions |
|---------------------------------|--|--|
| President | Dr.N.Balaji Principal | The President of the Institute Innovation Council (IIC) plays a pivotal role in fostering a culture of innovation within the institution. |
| Vice President | Dr.S.PadmaPriya Professor/Head, Department of AIDS | Convenor NIRF Innovation Coordinator Innovation Ambassador Takes Care of implementing all IIC activities inside the campus centre and takes care of Student internship and Innovative projects as well as IPR facilitation centre. |
| Start Up Activity Coordinator | Mrs.K.Sudha Assistant Professor/AIDS | The Start-Up Activity Coordinator manages entrepreneurship initiatives, oversees the Entrepreneurship Development Cell (EDC), and provides guidance to students in developing their start-up ideas. They also organize events and workshops to foster a culture of innovation and entrepreneurship within the institution. |
| Innovation Activity Coordinator | Ms.B.Shanmathi Assistant Professor/ECE | The Innovation Activity Coordinator oversees the implementation of innovative projects, encourages student participation in creative initiatives, and manages resources for project development. They also facilitate collaboration among students and faculty to promote a culture of innovation within the institution. |
| IPR Activity Coordinator | Dr.R.Jothi Chitra Professor/ ECE | The IPR Activity Coordinator manages the Intellectual Property Rights (IPR) facilitation center, assists with patent applications, and promotes awareness of IPR among students and faculty. They also oversee industry-institute partnerships and facilitate student internships related to innovative projects. |

| | | |
|---------------------------------|---|--|
| Internship Activity Coordinator | Ms.Selvamathi Assistant Professor/EEE | The Internship Activity Coordinator organizes and facilitates student internships, developing partnerships with industry to create opportunities. They also support students in identifying and securing internships that align with their academic and career goals while promoting innovative projects alongside internship experiences. |
| Social Media Coordinator | Mr.M.D.RajKamal Assistant Professor/Mechanical | The Social Media Coordinator manages the college's social media presence and website, creating and curating content to promote events and achievements. They develop strategies to enhance engagement with students and stakeholders, ensuring effective communication of the institution's activities. |

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

❖ Total No. of IIC Members

Institution's Innovation Council is formed with the following members

| Roles | Name of the Faculty | Department | Designation |
|---|---------------------|--|---------------------|
| President | Dr.N.Balaji | | Principal |
| Vice President and ,NIRF Innovation Coordinator | Dr.S.Padmapriya | Artificial Intelligence & Data Science | Professor |
| IPR Activity Coordinator | Dr.R.Jothi Chitra | Electronics and Communications Engineering | Professor |
| Innovation Activity Coordinator | Ms.B.Shanmathi | Electronics and Communications Engineering | Assistant Professor |
| Social Media Coordinator | Mr.M.D.RajKamal | Mechanical Engineering | Assistant Professor |
| Internship Activity Coordinator | Ms.G.Selvamathi | Electrical and Electronics Engineering | Assistant Professor |
| Start Up Activity Coordinator | Mrs.K.Sudha | Artificial Intelligence & Data Science | Assistant Professor |
| Member | Mr.B.Sundaresan | Computer Science and Engineering | Assistant Professor |
| Member | Mr.Anant | Mechatronics Engineering | Assistant Professor |

| | | | |
|--------|------------|------------------------|---------------------|
| Member | Ms.M.Metha | Information Technology | Assistant Professor |
|--------|------------|------------------------|---------------------|

External Committee Members

| Roles | Name & Details | Origination | Member |
|--------|--------------------|---|--|
| Member | Mr.S.Senthil Kumar | AjeyaInfosol Pvt Ltd | Expert member from nearby Industry/Industry Association /Ecosystem Enabler |
| Member | Mr.R.Anandan | Vels Institute of science and Technology and Advances studies | Incubation centre |
| Member | Mr.A.Balajiganesh | Velammal Engineering College | Patent Expert |

❖ Total No. of IAs

| Name of the Faculty | Name of the Department |
|---------------------|--|
| Dr.S.Padmapriya | Artificial Intelligence & Data Science |
| Dr.R.Jothi Chitra | Electronics and Communications Engineering |
| Dr.V.Ramasamy | Mechanical Engineering |
| Mr.Mugunthan.V | Electronics and Communications Engineering |
| Ms.B.Shanmathi | Electronics and Communications Engineering |
| Ms.Kirubavathy.J | Artificial Intelligence & Data Science |
| Mr.B.Sundaresan | Computer Science and Engineering |
| Mr.Raja R | Computer Science and Engineering |
| Mr.M.D.Raj Kamal | Mechanical Engineering |
| Ms.K.Sudha | Artificial Intelligence & Data Science |
| Ms.G.Selvamathi | Electrical and Electronics Engineering |
| Mr.KrithikaKamalam | Electrical and Electronics Engineering |
| Mr.Ohmsakthi Vel | Mechatronics Engineering |
| Ms.Metha.M | Information Technology |

❖ **Total No. of faculty Mentors From Portal - 2**

| Sl.No | Name of the Faculty Mentors |
|-------|---|
| 1 | Dr.S.Padmapriya Professor/Head Department of AIDS |
| 2 | Dr.R.Jothi Chitra Professor Department of ECE |

- ❖ **Pre-Incubation Units** - Yes , EDC Cell
- ❖ **Incubation Units** - Yes, MSME Incubation Cell
- ❖ **IP Facilitation Unit** - Yes, IPR Cell

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

Centre of Excellence:

The Velammal Institute of Technology has 6 Centre of Excellence to promote student innovative projects.

| Name of the Centre of Excellence | Resources Available |
|---|---|
| Centre for National Instruments LabVIEW Academy | NI Lab VIEW Academy Software Bundle with all tool kits My DAQ My RIO (40 users Licensee) |
| Centre for Advanced Energy Devices | Fuel Cell Energy Training System (LT-7001) Microwind Energy Training System (LT-7003BD) |
| Centre for Robotics and Automation | Robotics setup with ABB IRB 1520ID robotic arm |
| Industry supported Lab for PLC Automation and Industrial Robotics | PLC and SCADA setup |
| Centre for Excellence in Renewable Energy Systems | Solar, Wind and Fuel Cell Setup |
| Centre for Real Time Image Processing | CMOS Camera Module Interface with ARDUINO board for Robotics vision, CMOS Camera for Raspberry Pi, IR Thermal Camera, |

Students Clubs:

- ❖ Zenith Club – To improve English Communication skills
- ❖ App Club – To invent app for mobile applications
- ❖ Coding Club-To improve the coding skill
- ❖ Sports club – To cultivate skill in games and athletics
- ❖ Photo, Video and You Tube club – To improve the skills in Poster, Designing, filming
- ❖ Assembling and Dismantling Club – To understand the construction and working of hardware

Student Bodies:

- ❖ ISTE
- ❖ IETE
- ❖ IEEE

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

- ❖ Number and Different types of I&E and IPR activities Conducted - 7
- ❖ No. of student's & faculty ideas generated - 10
- ❖ No. of student's & faculty Innovation/prototypes developed - 10
- ❖ No. of IPs generated, published and granted - 10
- ❖ No. of Student & Faculty Start-ups/Ventures established - 9
- ❖ Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus - 1 Lakh
- ❖ Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR - 1 Lakh
- ❖ No. of Technology Transfer and Commercialisation happened -1

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum**1, Smart India Hackathon (SIH 2024) Selected Details:**

Velammal Institute of Technology, in collaboration with the Institution's Innovation Council (IIC), organized a one-day Internal Hackathon on **09.09.2024**. A total of 65 teams participated from all departments. Students from ECE, CSE, IT, AI&DS, EEE, Mechanical and Mechatronics departments participated in the Internal Hackathon. Students selected problem statements from various organizations and industries, including both hardware and software. A total of 65 teams participated in the Internal Hackathon and finally the Jury members nominated **50 teams in which 45 teams are shortlisted and 5 waitlisted teams.**

Organization Names:

Ministry of Law & Justice, Ministry of Culture, Bharat Electronics Limited (BEL), Ministry of Social Justice and Empowerment, Ministry of Agriculture and Farmers Welfare, Ministry of Social Justice and Empowerment, Ministry of Home Affairs. The National disaster Response Force (NDRF), Government of Rajasthan, Department of Science and Technology, Government of NCT of Delhi, Ministry of Communication, National Technical Research Organisation(NTRO), Indian Space research Organization(ISRO), Clean and Green Technology, Indian Sign Language Research and Training Centre (ISLRTC) Department of Empowerment of Persons with disability, Government Of NCT of Delhi, Government of Punjab, Ministry of Earth Sciences, Narcotics Control Bureau (NCB), Ministry of Power, AICTE, MIC - student innovation

SIH 2024 SPOC: Dr. R.Jothi Chitra, Professor/ECE

Total Team Submitted : 50 batches

Shortlisted Teams : 45

Waitlisted Teams : 05

| Sl.No | Department | Department Incharge | Hardware | Software | Total |
|-------|------------|---------------------|----------|----------|-------|
| 1 | CSE | Mr.B.Sundaresan | 3 | 7 | 10 |
| 2 | ECE | Mr.V.Mugunthan | 6 | 4 | 10 |
| 3 | AI&DS | Mrs.K.Sudha | 5 | 5 | 10 |
| 4 | EEE | Ms.G.Selvamathi | 4 | 0 | 4 |
| 5 | Mechanical | Dr.V.Ramasamy | 1 | 0 | 1 |
| 6 | IT | Ms.M.Metha | 3 | 7 | 10 |
| 7 | MTS | Mr.Ananth | 5 | 0 | 5 |
| Total | | | 27 | 23 | 50 |

Selection Details:

Two batches have been selected for the SIH 2024 Grand Finale: one from ECE department and the other from Mechatronics Department.

Selected Teams: 02

- ECE -01 Team – Department of Science and Technology received 106 submissions for this problem statement, out of which 6 teams were shortlisted. One of these teams is from the ECE Department. (Mechanical and MTS students also involved)
- MTS –01 Team - AICTE, MIC-Student Innovation received 500 submissions for this problem statement, out of which 5 teams were shortlisted. One of these teams is from the MTS Department.

| Batch | Dept | Student Name | Problem Statement | PS No/Category/Theme | Organization | Guide |
|-------|------|--------------------------------|---|---|---|---|
| 1 | ECE | Nithyashree.T (Team Leader) | Development of innovative design for flushing systems in western toilet sheets which can be used for deployment in public toilets | SIH1546/ Hardware/ Miscellaneous | Department of Science and Technology | Dr.R.Jothi Chitra, Professor/ ECE |
| | ECE | Shincy Sunny.P.S | | | | |
| | ECE | Dharshan.G | | | | |
| | ECE | Thirumaran.S | | | | |
| | Mech | Rethish.G.B | | | | |
| | MTS | Jaiganesh.S | | | | |
| 2 | MTS | Dinesh D (Team Leader) | New Sustainable Energy | SIH1530/ Hardware/ Renewable / Sustainable Energy | AICTE, MIC- Student Innovation | Dr.Magesh Babu Professor/ Head MTS |
| | MTS | Dhamodharan R | | | | |
| | MTS | Trishna Rajj J | | | | |
| | MTS | Gnanapandithan P R | | | | |
| | MTS | Mohana Priya R S | | | | |
| | MTS | Dhanusha K | | | | |

Grand Finale Details:

Grand Finale Date: 11th-15th December 2024 (Hardware Edition)

Nodal Centre

| Department | Problem Statement No | Organization | Institution Name | City |
|------------|----------------------|--------------------------------------|---|---------------|
| ECE | SIH1546 | Department of Science and Technology | Coimbatore Innovation and Business Incubator (Forge Incubation) | Coimbatore |
| MTS | SIH1530 | AICTE, MIC-Student Innovation | Gandhi Institute of Technology & Management | Visakhapatnam |





Development of innovative design for flushing systems in western toilet sheets which can be used for deployment in public toilets – SIH Grand Finale 2024 Team 1





New Sustainable Energy – SIH Grand Finale 2024 Team 2

2. Nan Mudhalvan- Niral Thiruvizha Hackathon 2.0

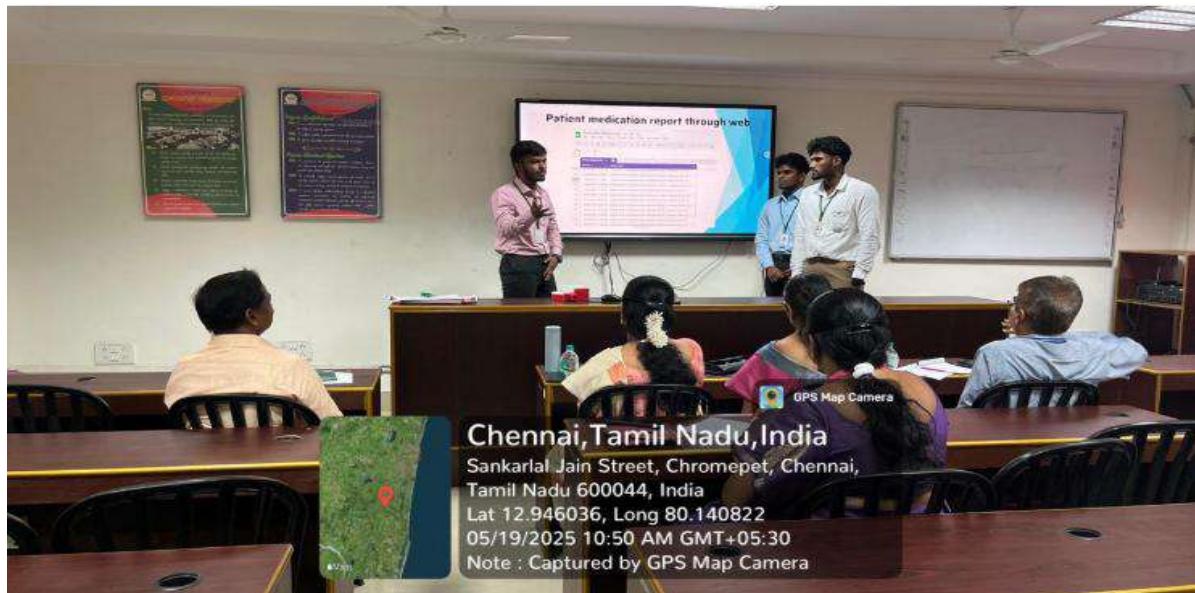
First Round shortlisted Projects:

The Naan Mudhalvan Niral Thiruvizha Hackathon is a statewide competition which seeks to inspire students' innovative and entrepreneurial thinking to address persistent issues and real-world problems with technology-driven solutions that improve quality of life. Out of a total of 15,337 projects submitted by various institutions, the top 1,000 ideas were selected. Among these, **11 projects** from our college were sanctioned in the first round with a total funding amount of **Rs1,10,000/-**

| S.No | Name of the Guide | Name of the Students | Project Title |
|-------------|--------------------------|---|--|
| 1. | Dr.R..Jothi Chitra | Dharshan.G, Sathish N, Mohammed Hanifa M | Mobile Health App for chronic Asthma Monitoring and Telemedicine using Smart Inhaler |
| 2. | Dr.R..Jothi Chitra | Narmatha S, Kanmani S, Susmitha L Thirumaran S | Smart Toilet System using Spring Mechanism, UV Disinfectant and Real Time Tracking |


| | | | |
|-----|----------------------|--|--|
| 3. | Dr.M.Sivarathinabala | Varshini.S.R, G.Akshaya, Sneha.J | Soft skills learning management System |
| 4. | Dr.R.Partheepan | T.Supraj Kumar, Hemanth.V, V.Sivakumar | Designing a Robust online Registration system with video consent verification and Blockchain for secure land transactions |
| 5. | Mr.M.Kamesh | Rogeeth R, Naresh Krishna G, Abishek V | Smart Learning Management Platform |
| 6. | Mr.K.Ragupathi | Sharada S, Sai Preethi Kp, Papita Biswas | IoT Driven LoRa Communication System for Remote Connectivity and Emergency Management |
| 7. | Mrs.N.Thamilarasi | Sarath Kumar.M, Ganesh.M, Saravana.P | Design of AI Traffic Guard |
| 8. | Mr OhmSakthi Vel | Pugazhenth M, Mukesh R, Navin Babu S | An effective safety mechanism using proximity sensors with alarm systems to prevent children from falling into uncovered borewell holes/ open drainage pits |
| 9. | Dr S Padma Priya | Mahavarshini V, Preethi R S | An integrated solution leveraging GIS-based tools, remote sensing, AI, and an online platform to identify suitable locations for shelter belt plantations, predict erosion-prone zones, monitor changes in shelter belt density, and facilitate carbon accounting, with the overarching goal of mitigating coastal erosion, strengthening coastal defenses, and contributing to climate resilience |
| 10. | Mr V Subramaniyan | Jayabalan S, Venkat Ragavan D, Vijay Ganesh I | A GPS-based tracking system for government buses that provides passengers with real-time arrival updates, seat availability, and route information |

| | | | |
|-----|----------------|---|--|
| 11. | Dr.Mahesh Babu | Bharathi sivam p, Goutham a, Gurumoothi v | A system to identify water leakage, detect unauthorized connections, prevent illegal water siphoning through motors, and monitor pressure levels at the tail end of the water supply distribution main |
|-----|----------------|---|--|



Chennai, Tamil Nadu, India
 Sankarlal Jain Street, Chromepet, Chennai,
 Tamil Nadu 600044, India
 Lat 12.946036, Long 80.140822
 05/19/2025 10:50 AM GMT+05:30
 Note : Captured by GPS Map Camera

Smart Inhaler



Prototype



Mobile Application



Patient Data



3D Design



Prototype

Mobile Health App for chronic Asthma Monitoring and Telemedicine using Smart Inhaler - Niral Thiruvizha Hackathon 2.0 (First Round Presentation and Project)



Smart Toilet System using Spring Mechanism, UV Disinfectant and Real Time Tracking -- Niral Thiruvizha Hackathon 2.0 (First Round Presentation and Project)



Smart Learning Management Platform- First Round Presentation



Soft skills learning management System First Round Presentation

Second Round shortlisted Projects:

In the second round of the Niral Thiruvizha Hackathon 2.0, the top 150 teams were shortlisted. Among them, 4 projects were selected from our institution, and a boot camp was also conducted as part of the event.

| S.No | Name of the Guide | Name of the Students | Project Title |
|------|-------------------|---|--|
| 1. | Dr.R.Jothi Chitra | Dharshan.G, Sathish N, Mohammed Hanifa M | Mobile Health App for chronic Asthma Monitoring and Telemedicine using Smart Inhaler |
| 2. | Dr.R.Jothi Chitra | Narmatha S, Kanmani S, Susmitha L Thirumarar S | Smart Toilet System using Spring Mechanism, UV Disinfectant and Real Time Tracking |
| 3. | Dr S Padma Priya | Mahavarshini V, Preethi R S | An integrated solution leveraging GIS-based tools, remote sensing, AI, and an online platform to identify suitable locations for shelter belt plantations, predict erosion-prone zones, monitor changes in shelter belt density, and facilitate carbon accounting, with the overarching goal of mitigating coastal erosion, strengthening coastal defenses, and contributing to climate resilience |

| | | | |
|----|-------------------|---|--|
| 4. | Mr V Subramaniyan | Jayabalan S, Venkat Ragavan D, Vijay Ganesh I | A GPS-based tracking system for government buses that provides passengers with real-time arrival updates, seat availability, and route information |
|----|-------------------|---|--|

Niral Thiruvizha BootCamp Photos:



3.Students Participation and Prize winning Details:

| S.No | Academic Year | Name of the event | Name of the student | Name of the Award | Venue |
|-------------|----------------------|--|--|--------------------------|-------------------------|
| 1 | 2024-2025 | Circuit Debugging | Mr.Bharath Velan | 13.03.2025 | 1 st Prize |
| 2 | 2024-2025 | National Level Project Expo. (CREATEC H 25 | D.Rajakumari, E.Varsha, T.Nithyashree | 27.04.2025 | Best invention Award |
| 3 | 2024-2025 | Bharat Chess Academy | Nawin M S | 29.06.2025 | 5 th Prize |
| 4 | 2024-2025 | Tech Media Connection | Nawin M S | 23.03.2025 | 2 nd Prize |
| 5 | 2024-2025 | Volley Ball | Vignesh V | 20.08.2025 | 1 st Prize |
| 6 | 2024-2025 | Naan Mudhalvan Hackathon | Shamitha S Swetha R Sujitha V | 12.05.2025 | 1 st Prize |
| 7 | 2024-2025 | INNOVIOT 2025 - Naan Mudhalvan scheme | Shiviksan C Rajavel Rahul Selvaganeshan M Yuvasree M | 09.05.2025 | Best Team Collaboration |
| 8 | 2024-2025 | Project Expo | Sowmiya M Kamalesh S Praveen Kumar R | 06.03.2025 | 1 st Prize |
| 9 | 2024-2025 | Project Expo | Shiviksan C Rajavel Rahul Selvaganeshan M | 08.11.2024 | 2 nd Prize |



Bharth Velan Received First Prize for Circuit Debugging on 13.03.2025



D. Rajakumari, E. Varsha, T. Nithyashree received Best Invention Award



Nawin M. S. Received 2nd Prize for Tech Media Connection on 23.03.2025



Nawin M. S. Received 5th Prize for Bharat Chess Academy on 29.06.2025



Shamitha S, Swetha R, Sujitha V Received 1st Prize in EV-Fundamentals state level Naan Mudhalvan Hackathon on 12.05.2025



Shiviksan C, Rajavel Rahul, Selvaganeshan M, Yuvasree M Received Best Team Collaboration in INNOVIOT 2025 under Naam Mudhalvan scheme on 09.05.2025



Received 1st Prize in Project Expo, Vel Tech Multi Tech, Chennai on 06.03.2025



Shiviksan C, Rajavel Rahul, Selvaganeshan M Received 2nd Prize in Project Expo, Saveetha Engineering College

4. Students Participation in Intellectual Property UTSAV:





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

| S.NO | Name of the Startup | Year | Name of the Founder | Name of the Co-founder |
|------|----------------------|------|---------------------|------------------------|
| 1. | MUMU Technologies | 2023 | Mr.Sumanth | -- |
| 2. | Omniefficient | 2023 | Dr.B.Sridevi, | - |
| 3. | AstraTech Solution | 2023 | Dr.R.Jothi Chitra | - |
| 4. | Nemonex Technologies | 2023 | Mr.Dharshan | - |
| 5. | Magnetron | 2023 | Mr.K.Sanjay | - |
| 6. | Sixslay | 2023 | Mr.Yuvaraj | - |

Startup Registration by Dr.B.Sridevi, HoD/ECE-



Startup Registration by Dr.R.JothiChitra, Professor/ECE – AstraTech Innovation



Startup Registration by Mr. Yuvaraj, student IV IT-Sixslay

Print : Udyam Registration Certificate

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम विभाग
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-TN-34-0051141

NAME OF ENTERPRISE: NEMONEX TECHNOLOGIES

TYPE OF ENTERPRISE *

| S.No. | Classification Year | Enterprise Type | Classification Date |
|-------|---------------------|-----------------|---------------------|
| 1 | 2023-24 | Micro | 15/02/2024 |

MAJOR ACTIVITY: SERVICES

SOCIAL CATEGORY OF ENTREPRENEUR: OBC

NAME OF UNIT(S):

| S.No. | Name of Unit(s) |
|-------|----------------------|
| 1 | Nemonex Technologies |

OFFICIAL ADDRESS OF ENTERPRISE:

| Flat/Door/Block No. | 11/100 | Name of Premises/ Building | 11/100 |
|---------------------|----------------------------|----------------------------|---------------------------|
| Village/Town | Pottichalur | Block | 11/100 |
| Road/Street/Lane | Annai Indira Gandhi Street | City | Pottichalur |
| State | TAMIL NADU | District | Chengalpattu , Pin 600074 |
| Mobile | 7385690658 | Email: | otharskann074@gmail.com |

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 13/02/2024

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 13/02/2024

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

| S.No. | NIC 2 Digit | NIC 4 Digit | NIC 5 Digit | Activity |
|-------|--|---|--|----------|
| 1 | 74 - Other professional, scientific and technical activities | 7400 - Other professional, scientific and technical activities n.e.c. | 74009 - Other professional, scientific and technical activities n.e.c. | Services |

DATE OF UDYAM REGISTRATION: 15/02/2024

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the MoS MSME.
 Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 13/02/2024

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

Startup Registration by Mr.Sumanth, student IV AI&DS –MUMU Solution

Print : Udyam Registration Certificate

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम विभाग
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-TN-24-0097852

NAME OF ENTERPRISE: SIXSLAY

TYPE OF ENTERPRISE *

| S.No. | Classification Year | Enterprise Type | Classification Date |
|-------|---------------------|-----------------|---------------------|
| 1 | 2023-24 | Micro | 09/02/2024 |

MAJOR ACTIVITY: SERVICES

SOCIAL CATEGORY OF ENTREPRENEUR: GENERAL

NAME OF UNIT(S):

| S.No. | Name of Unit(s) |
|-------|-----------------|
| 1 | Sixslay |

OFFICIAL ADDRESS OF ENTERPRISE:

| Flat/Door/Block No. | No.46 | Name of Premises/ Building | Sixslay Developers |
|---------------------|------------------|----------------------------|--------------------------|
| Village/Town | CSS Chetty Nagar | Block | A |
| Road/Street/Lane | Puduvally Street | City | Majur |
| State | TAMIL NADU | District | THIRUVALLUR , Pin 601203 |
| Mobile | 8922142851 | Email: | sixslaytech@gmail.com |

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 25/12/2023

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 01/01/2024

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

| S.No. | NIC 2 Digit | NIC 4 Digit | NIC 5 Digit | Activity |
|-------|-------------------------------------|--------------------|---|----------|
| 1 | 63 - Information service activities | 6312 - Web portals | 63122 - Operation of other websites that act as portals to the Internet, such as media sites providing periodically updated content | Services |

DATE OF UDYAM REGISTRATION: 09/02/2024

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the MoS MSME.
 Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 09/02/2024

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

Startup Registration by Mr.Dharsan, Student IV ECE –Nemonex Technologies

Print : Udyam Registration Certificate

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम विभाग
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-TN-24-0097852

NAME OF ENTERPRISE: SIXSLAY

TYPE OF ENTERPRISE *

| S.No. | Classification Year | Enterprise Type | Classification Date |
|-------|---------------------|-----------------|---------------------|
| 1 | 2023-24 | Micro | 09/02/2024 |

MAJOR ACTIVITY: SERVICES

SOCIAL CATEGORY OF ENTREPRENEUR: GENERAL

NAME OF UNIT(S):

| S.No. | Name of Unit(s) |
|-------|-----------------|
| 1 | Sixslay |

OFFICIAL ADDRESS OF ENTERPRISE:

| Flat/Door/Block No. | No.46 | Name of Premises/ Building | Sixslay Developers |
|---------------------|------------------|----------------------------|--------------------------|
| Village/Town | CSS Chetty Nagar | Block | A |
| Road/Street/Lane | Puduvally Street | City | Majur |
| State | TAMIL NADU | District | THIRUVALLUR , Pin 601203 |
| Mobile | 8922142851 | Email: | sixslaytech@gmail.com |

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 25/12/2023

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 01/01/2024

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

| S.No. | NIC 2 Digit | NIC 4 Digit | NIC 5 Digit | Activity |
|-------|-------------------------------------|--------------------|---|----------|
| 1 | 63 - Information service activities | 6312 - Web portals | 63122 - Operation of other websites that act as portals to the Internet, such as media sites providing periodically updated content | Services |

DATE OF UDYAM REGISTRATION: 09/02/2024

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the MoS MSME.
 Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing: 09/02/2024

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

Startup Registration by Mr.K.Sanjay, Student IV ECE –Magnetar Innovations

Print | Print with Annotations | Home

भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम विभाग
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-TN-24-0107634

NAME OF ENTERPRISE: MAGNETAR INNOVATIONS

TYPE OF ENTERPRISE *

| S.No. | Classification Year | Enterprise Type | Classification Date |
|-------|---------------------|-----------------|---------------------|
| 1 | 2024-25 | Micro | 13/05/2024 |

MAJOR ACTIVITY: MANUFACTURING

SOCIAL CATEGORY OF ENTREPRENEUR: GENERAL

NAME OF UNIT(S):

| S.No. | Name of Unit(s) |
|-------|-----------------|
| 1 | prototype |

OFFICIAL ADDRESS OF ENTERPRISE:

| Flat/Door/Block No. | 62 | Name of Premises/ Building | Sanjay K |
|---------------------|--------------------------------|----------------------------|---------------------------|
| Village/Town | Arani | Block | 1 st |
| Road/Street/Lane | No.62 4p hill Street,arani,pon | City | Arani |
| State | TAMIL NADU | District | THIRUVALLUR , Pin 601101 |
| Mobile | 9600430853 | Email: | sanjaystark2004@gmail.com |

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 12/05/2024

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 12/05/2024

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

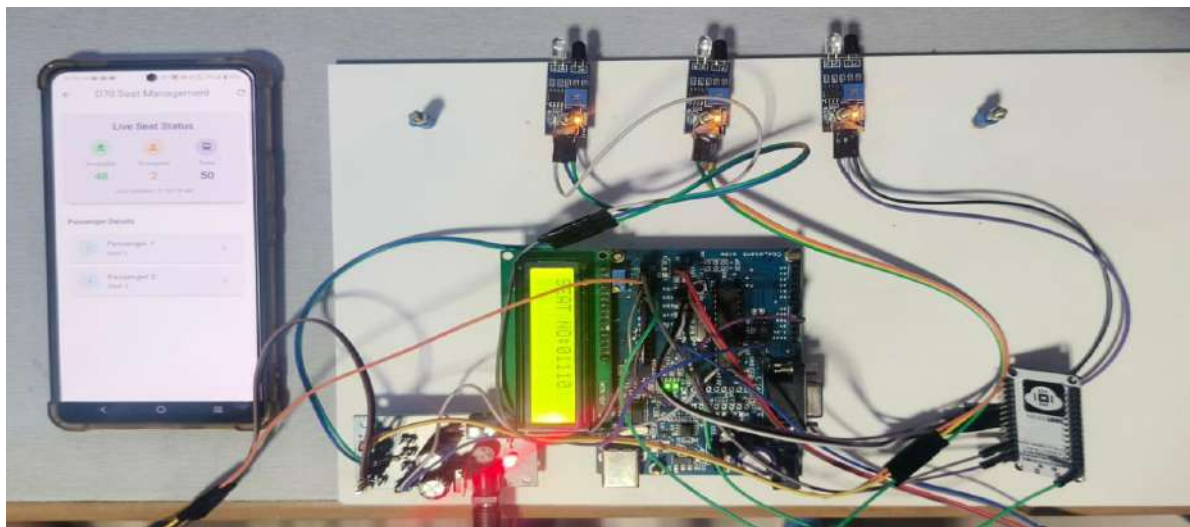
| S.No. | NIC 2 Digit | NIC 4 Digit | NIC 5 Digit | Activity |
|-------|---|--|--|---------------|
| 1 | 26 - Manufacture of computer, electronic and optical products | 2640 - Manufacture of consumer electronics | 26409 - Manufacture of other electronic consumer goods (i.e.c. (this includes non-television video camera) | Manufacturing |

https://udyamregistration.gov.in/Udyam_User/Udyam_PrintApplication.aspx

I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation.

Project Title: Sensor based seat availability monitoring in public transport analysis

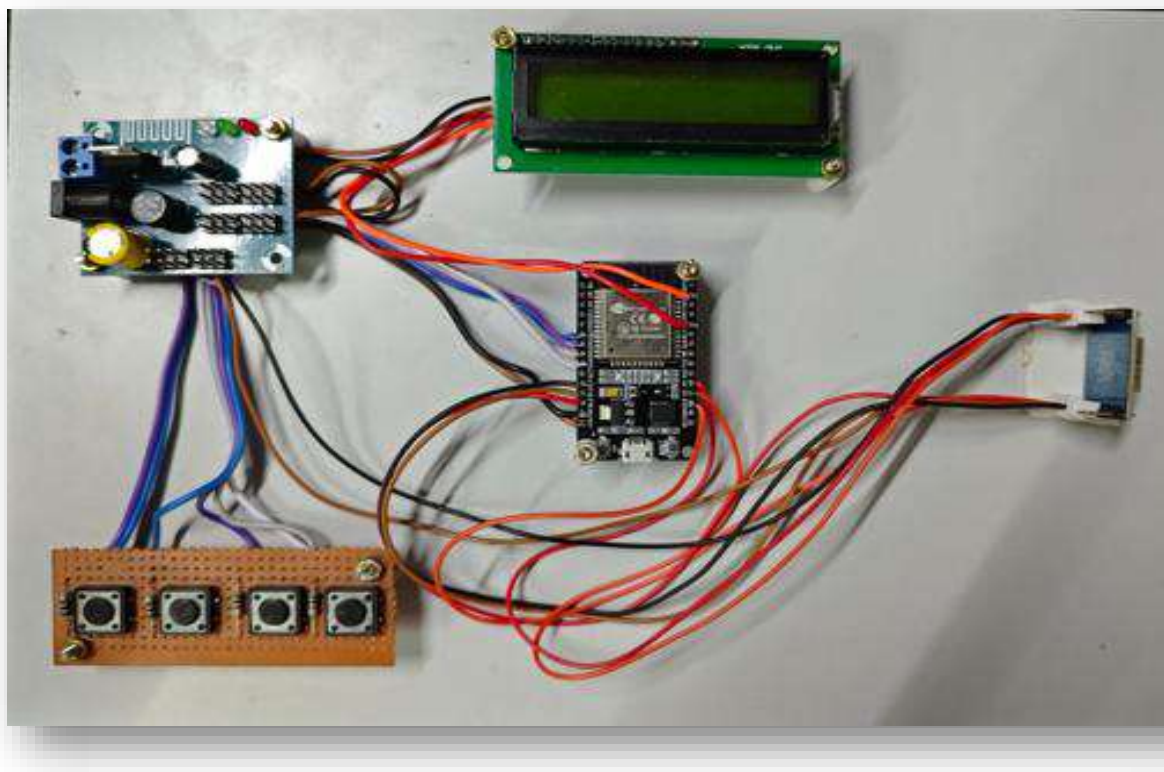
Description: This project aims to develop and implement a GPS-based tracking system for government buses, significantly enhancing the passenger experience. By providing real-time arrival updates, seat availability, and detailed route information (starting and ending points), the system will empower passengers with accurate and timely information. This initiative seeks to improve travel planning, reduce uncertainties, and enhance safety by offering a transparent and user-friendly interface. Ultimately, this system strives to make public transportation more reliable and convenient for all citizens. This solution aims to optimize public transportation by providing clarity, safety, and convenience. By integrating GPS technology with a robust information dissemination platform, this project will enhance operational efficiency and improve the overall passenger experience. This initiative aims to create a more reliable and user-friendly public transportation experience for all. This system will enhance the passenger experience by improving travel planning, ensuring clarity, and increasing safety through accurate and timely information.



Prototype model for Sensor based seat availability monitoring in public transport analysis

Project Title: IoT Driven LoRa Communication System for Remote Connectivity and Emergency Management

Description: The proposed LoRa-based emergency wireless communication system enables long-range, low-power, and cost-effective two-way messaging in hilly and forested areas without cellular networks. It allows users to send short emergency messages with GPS location, ensuring rescuers can pinpoint their position. Short messages are sent using switches to receiver in case of emergency and the messages are displayed in LCD. With LoRa's 10-15 km range (real time implementation), it outperforms walkie-talkies and emergency beacons by enabling real-time two-way communication, offering a reliable and affordable solution for hikers, rangers, and rescue teams in remote regions.



Prototype model for IoT Driven LoRa Communication System for Remote Connectivity and Emergency Management

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

❖ NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation

NISP coordinator: Mr.M.D.RajKamal

Vision

To make Velammal Institute of Technology as one of the Advanced Innovation Centre and the supreme destination for Start-ups by 2025

Mission

To create, support and nurture lively Start-up ecosystem in Velammal Institute of Technology resulting in innovation and entrepreneurship driven employment and socio-economic growth.

Short term Objectives

Inculcate, inspire, assist and support development of at least 8 technology start-ups in Velammal Institute of Technology

Long term Objectives

Provide a committed support to at least 05 Indian high growth start-ups developing innovative technology solution for high social impact in sectors like hygiene, agriculture, renewable energy, healthcare, transport, etc

Committee Members:

| Sl.No. | Name | Position |
|---------------|--|--------------------------|
| 1 | Dr.N.Balaji Principal, Velammal Institute of Technology | President |
| 2. | Mr.M.D.RajKamal Assistant Professor Velammal Institute of Technology | NISP Coordinator |
| 3. | Dr.S.PadmaPriya Professor Velammal Institute of Technology | Coordinator IIC |
| 4. | Mr. V.Mugunthan Asst. Professor Velammal Institute of Technology | EDC Coordinator |
| 5. | Ms.B.Shanmathi Asst. Professor Velammal Institute of Technology | Innovation Ambassador |
| 6. | Mr.B.Sundaresan Asst.Professor Velammal Institute of Technology | Innovation Ambassador |

Policy Problem or Thrust Area

| Sl.No. | Plan |
|--------|---|
| 1. | VelammalItech Strategies & Governance for Stimulating Innovation & Entrepreneurship |
| 2. | Creating Innovation Pipeline and Pathways for Entrepreneurs at institute level |
| 3. | Building Organizational Capacity, Human Resources and Incentives |
| 4. | Collaboration, Co-creation, Business Relationship and Knowledge Exchange |
| 5. | Norms for Students Driven Innovations and Start-ups |
| 6. | Incentivizing Faculty & Students for Entrepreneurship |
| 7. | Norms for Faculty Start-up |
| 8. | Incubation & Pre-Incubation support |
| 9. | IP Ownership Rights for Technologies Developed at Velammal Institute of Technology |
| 10. | Pedagogy & Learning Interventions for Supporting Innovations & Start-ups |
| 11. | Entrepreneurial Performance Impact Assessment |

- ❖ YUKTI Innovation Challenge –Submitted 10 Projects for YUKTI and presented their project in Regional Meet held on 01.12.2023 at B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai.

K. Detail of Social Media & Connections of IIC institute

Facebook Link: <https://www.facebook.com/iic.velammal.itech?mibextid=ZbWKwL>

Website: <https://velammalitech.edu.in>

Twitter: <https://twitter.com/IicVelammal2023>

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

Dr.S.Padma Priya Vice-president/Velammal Itech -IIC

- I am Dr.S. Padmapriya, and I am happy to say that I was benefited with IA program personally as well as it helped me to uplift the young talents and nurture them in their career building by helping them to do projects, to initiate start-ups and many more.
- By the IIC and as well as IA's we were able to do the following.
- 1. Able to transform from filing patents to publishing patents and as well as getting international patent grants.

- 2. Helped to motivate the students to become entrepreneurs rather than job seekers. and this made many of our students to register their own start-ups in MSME and they were able to do their business.

Mr.M.D.Rajkamal- NISP Coordinator

We are able to set up a good start up policy and also help the young students to become an energetic entrepreneur

Event Images:



N. Contact

IIC Coordinator: Dr.S.PadmaPriya

Mobile No: 9962562307

Email Id: padmapriya.sha@gmail.com

Address: **Chennai- Kolkata Highway, Panjetty, Tamil Nadu 601204**