

FACULTY DEVELOPMENT PROGRAMME



INTELLECTUAL PROPERTY RIGHTS & ENTREPRENEURSHIP WORKSHOP

ENTREPRENEURSHIP DEVELOPMENT CELL

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CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT

MADRAS INSTITUTE OF TECHNOLOGY CAMPUS
ANNA UNIVERSITY, CHENNAI



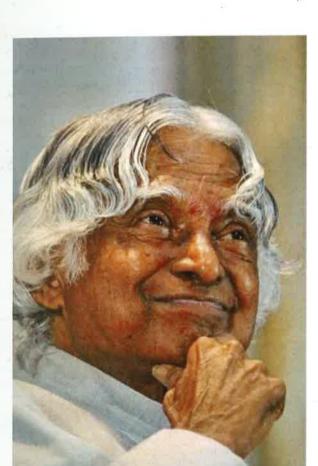








About EDC Entrepreneurship is increasingly recognized as an important The education system should highlight the importance of



Dr. A.P.J. Abdul Kalam Sir's **Message to the Youngsters**

"My message, especially to young people is to have courage to think differently, courage to invent, to travel the unexplored path, courage to discover the impossible, and to conquer the problems and succeed. These are great qualities that they must work towards".

"All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents."

"Confidence and hard work are the best medicine to kill the disease called failure. It will make you a Successful Person."

"DREAM is not what you see in Sleep, Dream is the thing which doesn't let you Sleep."

"If you Fail, Never Give up. Because F.A.I.L. means First Attempt In Learning, End does not end, in fact, E.N.D. means Effort Never Dies, If you get 'No' as an answer, remember N.O. means Next Opportunity, so let's be POSITIVE."



driver of economic growth of a country. The Govt. of India has recognized the importance of entrepreneurship and has introduced programs like "Make in India" & "Start-up India". The aim of Entrepreneurship Development Cell (EDC) in and ability to generate wealth. Madras Institute of Technology Campus, Anna university, is to develop and strengthen the entrepreneurial qualities in the budding professionals who are interested in starting their own ventures. The College provides infra structural and technical support to the students having innovative ideas to transform into new products and services for the betterment of the society. The EDC also assists all the aspirants with mentoring, planning, and execution of their startup idea into a real business.

Entrepreneurship Development Cell was constituted in the Institution with a dedicated team of actively working faculty members who have industry exposure along with some student representatives. Engineering entrepreneurship aspirants are groomed with the necessary inputs on how to be a successful entrepreneur through workshops and seminars by eminent people from the industry. At EDC, MIT Campus, we encourage the students to consider selfemployment as a career option, providing necessary training in developing entrepreneurship skills through standardized courses. The cell also organizes different activities and events from time to time to train and motivate the students on entrepreneurship.

ENTREPRENEURSHIP DEVELOPMENT CELL (EDC) in educational institutions develops institutional mechanism to create entrepreneurial culture in S&T academic institutions and nurtures techno entrepreneurship for generation of wealth and employment by S&T persons. The mission of the EDCs is to "develop institutional mechanism to create entrepreneurial culture in academic institutions to foster growth of innovation and entrepreneurship amongst the faculty and the students".

The objective of promoting entrepreneurship among the youth is to propagate passion for self-employment. This will open gates for creation of new knowledge-based innovative hi-tech ventures, industries and new breed of technopreneurs, and more avenues of employment opportunities, thus, turning job seekers into job creators, and in the process, leading the nation towards industrial excellence and self-reliance.

entrepreneurship and prepare the students right from school and college education to get oriented towards setting up enterprises which will provide them creativity, freedom,

OBJECTIVES OF EDC

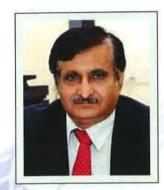
The objective of this cell is to develop the spirit of Entrepreneurship among the students. Activities of this cell include creating Awareness Programmes, mentoring Students, and assisting them in getting financial support for

- To foster better linkages between the Parent Institution, Industries, and R&D Institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations.
- To catalyze and promote development of S&T based Enterprises and promote employment opportunities.
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and Micro Enterprises.
- To create awareness about entrepreneurship among the students.
- To inculcate entrepreneurial spirit and culture among the Science and Engineering graduates and post graduate
- To conduct programs in Entrepreneurship enabling skills.
- To conduct skill industrial development training programs with updated technologies.
- To provide need-based consultancy services to the industries.
- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.
- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society.





CHIEF MENTORS



Prof. M.K.Surappa
Vice Chancellor, Anna University



Thiru. S. Nagarajan, I.A.S., Director, EDII-TN

MENTORS



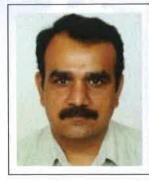
Dr.T.ThyagarajanDean, MIT Campus, Anna University



Thiru. P. Selvarajan Aditional Director, EDII-TN



Thiru. R.Shiva Shankar Deputy Director, EDII-TN



Dr.R. SaravananDirector, CED, Anna University



Dr.S. Neelavathy PariAsst. Director, CED, Anna University

EDII-Innovation Entrepreneurship Development Program

The Vision 2023 statements of the Government of Tamil Nadu, the Entrepreneurship Development and Innovation Institute, have launched a comprehensive program i.e., Innovation and Entrepreneurship Development Program (IEDP) for entrepreneurship and innovation development for all Colleges, Polytechnics, ITIs, etc.

The Entrepreneurship Development Cell of MIT Campus, Anna University, recognized as a IEDP Regional Hub for the colleges in Kanchipuram & Chengalpattu districts. Our MIT-IEDP Hub has been actively conducting various programs & events on Innovation and Entrepreneurship in the various IEDP spoke Institutions.

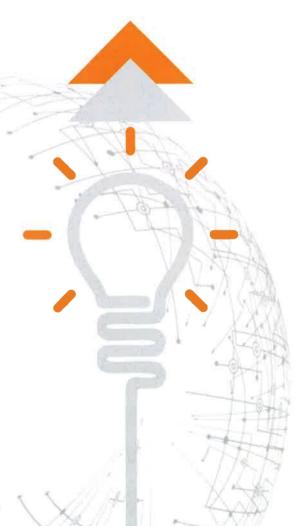
Main Objectives of IEDP:

- To create a positive and dynamic entrepreneurship & innovative ecosystem within and around higher educational institutions.
- To build entrepreneurial and innovation competencies of faculty, students and alumni.
- To support the growth and the graduation of new high impact enterprises of students, alumni, and people.
- To incentivize and support creation and commercialization of intellectual property.

The Program is founded on three important process:

- College Entrepreneurial & Innovation Ecosystem Development Processes
- Faculty & Student Entrepreneurship Competency Development Processes
- Faculty & Student Innovation Promotion Processes







Faculty Development Program





Date of the Event: 18.09.2019 Venue: MIT Campus, Anna University Totally 40 participants benefitted out of this programme from 20 colleges



The Faculty Development Programme (FDP) is designed to train and develop professionals in entrepreneurship development, so that, they can act as resource persons in guiding and motivating young people of Science & Technology stream to take up entrepreneurship as a career. Through FDP, the faculty members of Science and Engineering colleges, Polytechnics, and Entrepreneurship Development Organizations are trained for a duration of 3 days





Teachers play a vital role in motivating the students to take up entrepreneurship as a career option. EDII-TN Master Trainer Mrs.Sujaya Rao trained the faculties in Entrepreneurship skills during the three day programme.

TNIIC Program-2019



'Tamil Nadu llam Innovators Challenge 2019-Stage 2' was jointly organized by Entrepreneurship Development and Innovation Institute (EDII-TN) and Madras Institute of Technology, Anna University, Chennai. It is a State Level Innovation Challenge Program focused on inculcating spirit of Innovation and developing Entrepreneurial Skills (21st Century Skills) amongst the School Students (8th to 12th) across the State, as per the vision of the Tamil Nadu Startup Policy.

The best three teams from Chennai Region was awarded a cash prize of Rs 10,000/- each team to develop their ideas to real time prototype and present their solution at Stage 3 -State Level Finals. Totally, 26 teams from various districts of Chennai region participated in this event.

The Dean, MIT campus welcomed the Chief Guest and the Dignitaries and extended his warm appreciation and heartfelt gratitude towards the students and the teachers who came from the Eight Districts under the Chennai Zone/Hub.





Thiru . M.A. Aravind, Co Founder of Infinite Engineers, represented all the partnering start- ups and shared his experience and talked about the efforts taken by the team in successfully conducting the Train The Trainers Programme in 5 Zones/Hub - Chennai, Coimbatore, Madurai, Trichy and Tirunelveli and Stage 1 of TNIIC 2019 in all the 32 Districts of TamilNadu



Chief Guest Dr.Rajendra Kumar, I.A.S, and presented the memorandum.

Dean, MIT Campus, welcomed the

The four-day residential training program included

Day 1: Communication Skills & **Growth Mindset**

Day 2: Design Thinking, Innovation & Entrepreneurship

Day 3: Using Technology & Robotics to Solve Problems

Day 4: Final Pitch & Business Model Canvas Presentation



About the Programme Tmt. R.V.Shajeevana, Additional Director. **EDII-TN**







AN Special Speech by the Chief Guest, Dr.Rajendra Kumar, I.A.S

MADRAS I

The Principal Secretary delivered a factual and information The Principal Secretary delivered a factual and informative speech to the students motivating them to strive for success the founders of like Microsoft, Facebook, Flipkart who started their journeys in their young ages. He interacted with all the students by posing questions about their aspirations. Further, he assured that his Team will support any new ideas and innovations through various beneficial schemes from the Government and strive for the growth of the Society. He congratulated and appreciated the efforts of the School Education Department for supporting programme's objective.



Dr. S. Neelavathy Pari, Assistant Director, EDC, MIT Campus, Anna University, sincerely extended her gratitude to each and every staff member of MIT campus students and teachers, from 26 Schools in and around Chennai Districts. Also, she conveyed her best wishes for the 4-Day Residential Training Workshop.

She also encouraged the students and teachers to take a pride look around the Campus that was once graced by the Bharat Ratna Dr. A.P.J Abdul Kalam.



The Concept of Neuroplasticity Activity

Neuroplasticity, also known as brain plasticity, is the ability of the brain to change continuously throughout an individual's life which can be strengthened by practice.



CUP Song Activity

Understanding that with Practice and an Open Mind, one can excel in the work he/she is passionate about and when performed as a team.

Student Activities During the Programme













Activities encouraged students to gain/acquire entrepreneurship knowledge and become more confident in pursuing their passion. When students have the entrepreneurship knowledge, they take on challenges and thereby increasing their abilities and levels of achievement.



TNSI Award-2019

Tamil Nadu Student Innovator Award-20



with the next Big Idea? **OPEN CALL FOR IDEAS**

TNSI-2019 will be organised in 5 regions

ant date of Registratio

Tamilnadu Student Innovator Award is intiated by EDII-Tall it is a state level competition for students from all over Tamilnadu. TNSI 2019 mission of value creation through innovation, our award aims to recognize the student innovative thinking and pioneering solutions.

The award recognizes and rewards the top five teams with a cash award of Rs.1,00,000 and a consolation prize of

TNSI 2019 Conducted in five regions followed by:

- Chennai
- Coimbatore
- Madurai
- Trichy
- Tirunelveli





In TamilNadu student Innovator Award 2019

Stage 1: Awareness Program Stage 3: Boot Camp

Stage 2: Ideation Camp

Stage 4: Final Pitch

In 2019, The Chennai Region MIT Hub organized the Awareness program. Totally, 200 students Participated and benefitted from the Awareness Program.



Intellectual Property Rights Work Shop





Intellectual Property Rights & Entrepreneurship Workshop to the IEDP Spoke College Faculties Held From 02.12.2019 - 03.12.2019

A two-day Intellectual Property Rights & Entrepreneurship Workshop was organized by Madras Institute of Technology campus, Anna University, Chennai, supported by EDII, Chennai, Tamil Nadu at Madras Institute of Technology Campus, Chrompet held from 02.12.2019 to 03.12.2019.

The program consisted of 8 sessions. The first day started with Registration and Icebreaking session. Faculty members from various colleges in Chennai Hub, registered for the programme.

The programme commenced with the wishes from Prof. T. Thyagarajan, Dean, MIT Campus, Anna University. Mr. Daniel Prabhakaran, Executive, TANSIM, EDII, Chennai, gave the Welcome Address, followed by the Inagural Speech delivered by Dr.S.Neelavathy Pari, Hub coordinator-IEDP & Assistant Director, Entrepreneurship Development Cell, MIT Campus, Anna University & Honoured Dr Mr. O.Prasad Rao, Assistant Controller, IPO Office, Chennai & Or.M.Ram Jawahar, Assistant Controller, IPO Office, Chennai.

Day 1, Session 1 was conducted by Mr.O.Prasad Rao, Assistant Controller, IPO Office. Chennai on the topic of "Intellectual property rights and Entrepreneurship". He addressed the importance of IP protection, types of IP, Appearance of researchers/entrepreneurs in IP and the patent design for engineers with various examples.

Afternoon Session was by Mr.Ram Jawahar, Assistant Controller, IPO Offlice, Chennai on the topic of Software Application protection (or) converting the project into a commercial Product through IP.

Day 2:

The first session of Day 2 was conducted by Mr.M.Ram Jawahar, Asst Controller, IPO Office, Chennai on the topic "Software's used for IP Search". In that session, he

addressed the problems on IPR at both National and international levels. He also explained the norms to be followed while carrying out a pattern search.

After the Tea break, Mr.O. Prasad Rao took over the session on the topic "Government support for IP for both Researchers and Start-ups".

In the afternoon, Hands on Training given to the participants by both the speakers with a Q&A session at the end. Finally Mr. Daniel Prabhakaran, Executive, TANSIM, EDII, Chennai explained about the various activities in EDII. He also gave a glimpse about Government schemes and policies on Innovation Entrepreneurship Development Program. Finally Prof.T.Catherine Bina, former Head Incharge, Computer Center, MIT Campus, Anna University, gave the Valedictory speech and distributed the certificates.







TNSI 2019 - Ideation Program

TNSI 2019 - Boot Camp



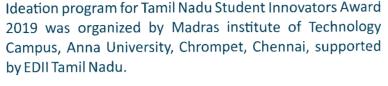








IDEATION PROGRAM



It was a one-day program with four sessions. Students from various colleges in Chennai Region registered for the programme.

Welcome address was given by Dr.S.Neelavathy Pari, Hub Coordinator-IEDP & Assistant Director, Centre for Entrepreneurship Development, MIT Campus, Anna University, Chennai, and Inaugural address was given by Dr. T. Thyagarajan, Dean, MIT Campus, Anna University. He honored Mr.M.C.Jaikanth, Founder & CEO Infinite Engineering Private Limited, the chief guest of the programme.

The first session of the day was handled by Mr.M.C.Jaikanth. The session started with a warm up activity. Technical Partner of TNSI 2019 gave training on Lean Canvas Sheet and Create Entrepreneurial Eco-System to the Participants. Later he explained the eight techniques meant for successful business venture such as need for a Digital Product, Online Marketing, Data driven decision, experimentation, etc.,

The Technical Partner explained about unique value proposition, Channels, Cost structure, Revenue Streams with wide range of examples, and answered the doubts of the students while filling their respective Canvas sheets.

Finally, the participants pitched their Lean Canvas sheet before the Jury Members, and finally Mr.A.Selvakumar, Field Coordinator gave the vote of thanks and with the feedback from the students program came to an end.











Boot Camp for Tamil Nadu Student Innovators Award 2019, organized by Madras Institute of Technology Campus, Anna University, Chrompet, Chennai, and Supported by EDII Tamil Nadu.

It was a three-day residential program with twelve sessions. The programme started with Thamiz Thai Vazthu, then the Short listed Ideas from TNSI 2019 Ideation Camp participants who were invited to the Boot Camp from various Spoke colleges in the Chennai Region.

With the Best Wishes from Prof.T.Thyagarajan, Dean, MIT Campus, Anna University, the Program started with the Welcome Address by Dr.S.Neelavathy Pari, Hub Coordinator-IEDP & Assistant Director, Centre for Entrepreneurship Development, MIT Campus, Anna University. Followed by Inaugural speech by Mr.Shiva Shankar, Deputy Director, Entrepreneurship Development Innovation Institute, Government of Tamil Nadu, Guindy, Chennai.

Day 1:

The first session of Day 1 was organized by Mr. Jaikanth, Mr.Siddarth, and Mr.Kenny. It was an interactive session. After the lunch break the participants directly met the customers, distributors, and manufacturers to explain about to validate the product. The students had a unique experience and learn

more about the business world. Finally, the students presented their learnings before the Jury.

Day 2:

The first session of Day 2 was organized by the Technical Partner team. Mr.Siddarth conducted the session on "Contact with Customers". It had been an informative session which explained the key aspects involved in Entrepreneurship and marketing. He gave deep insights about "Why" and "What" to the participants. Later, the sessions was took over by the Mentors, Mr.Rateesh Krishnan and Mr.Pawan. They discussed about the feasibility of selling their products. Finally, the mentors guided each team on their requirements. The Day 2 came to an end with the Q & A session.

Day 3:

The Day 3 started with the session by Mr.Jaikanth. He imparted knowledge on "How to Pitch your Idea" to the students. The title of the Day was "Pitch fest" every team pitched the ideas before the jury members. Finally, eight teams were selected for the final pitch of TNSI Award 2019. The finalist of TNSI 2019 was announced by Mr.Shiva Shankar, the Deputy Director, Entrepreneurship Development & Innovation Institute, Government of Tamil Nadu, Guindy, Chennai.

The following Innovative Ideas Selected for the Final Pitch.

Huspyrus Agromanzz
Zeal Smart Autobots
Arthringa Smart Water
Dbyt Dynamics Fitbots





TNSI 2019 - Boot Camp

Entrepreneurship Awareness Program

















One-day Entrepreneurship Awareness Program

Entrepreneurship Development Cell of MIT Campus, Anna University successfully organized a one-day Entrepreneurship Awareness Program on 19 December 2019, funded by the Centre for Entrepreneurship Development, Anna University.

The Program was formally inaugurated by Dr.S.Neelavathy Pari, Assistant Director, Centre for Entrepreneurship Development, Anna University. Resource persons Mrs.R.Ranjani, Secretary-Confederation of women Entrepreneurs Tamilnadu and Founder of Learn to reach & Career Twins and Mr.V. Jeya Krishnan, Soft Skills & Entrepreneurship Motivator & Trainer for Corporate Professionals were welcomed by Dr. Srirangarajalu, Assistant Professor, Department of Production Technology, MIT Campus and Mr.A. Selvakumar, Field Coordinator, MIT-IEDP Hub Introduced the Chief Guests to the participants.

The main objective of this Entrepreneurship Awareness Camp (EAC) was to create awareness among the students of Engineering and Science about various facets of entrepreneurship as an alternative career option. The idea of organizing this workshop was to inculcate the fundamentals and the key concepts of Entrepreneurship in the Science and Technology among students.

Almost 50 students from the Department of Mechanical & Production Technology participated in the program and each participant was awarded with a certificate. The Program was successfully coordinated by Dr.S.Neelavathy Pari, Assistant Director, EDC, MIT Campus, Mr.A.Selvakumar, IEDP Hub, MIT Campus, and EDC team of MIT Campus.









TNSI 2019 - Award Winners









S.S. Anitha

AUTOBOTS K. Muthukumaraswamy M. Navin Kumar A. Rajeshkumar







S. Anitha



HUSPYURUS L. Gopinath Saranya Sri Rajalakshmi Engineering College



Prathyusha Engineering College



FITBOT P. Gokulprasath St Josep's College of Engineering



ZEAL SMART M.B. Akash S. Janecynthiya St Josep's College of Engineering



SMART WATER Shivanandhini Prince Shri Venkateswara Padmavathi **Engineering College**



DBYT DYNAMICS Dhairyasheel Deshmukh IIT MADRAS

Webinars were conducted during the Lock period of COVID 19 by CED, MIT Campus & MIT-IEDP Hub to the Spoke Institutions.







OUR EDC TEAM MEMBERS





Dr.T.Thyagarajan



Dr.R.Saravanan

DEAN, MIT Campus, Anna University



Director, CED, Anna University



Dr.S.Neelavathy Pari Assistant Director, CED, MIT Campus, Anna University

Department Entrepreneurship Development Cell Coordinator's



Dr.V.Suresh Assistant Professor Aerospace Engineering



Dr.G.Anandkumar **Assistant Professor Automobile Engineering**



Dr.G.Balamurugan **Assistant Professor Electronics Engineering**



Dr.K.Kamalanand Assistant Professor Instrumentation Engineering



Dr.K.Elangovan **Assistant Professor Rubber & Plastics Technology**



Dr.N.Srirangarajalu **Assistant Professor Production Technology**



Teaching Fellow Information Technology



Mr.D.Vivekanandan Ms.C.M. Naga Sudha **Teaching Fellow Computer Technology**

EDII-TN Innovation Entrepreneurship Development Program



Mr.A.Selvakumar Field Coordinator, MIT-IEDP Hub



TAMILNADU STUDENT INNOVATORS AWARD 2019 -BOOT CAMP



TAMILNADU ILLAM INNOVATORS CHALLENGE 2019