Institution's Innovation Council (IIC)
SRI PADMAVATHI MAHILA VISVAVIDYALAYAM: TIRUPATI
(WOMEN's UNIVERSITY)
Tirupati, Andhra Pradesh – India

AnnualReport 2024-25

IC201811697

Duration – September 2024 to August 2025

A. About IIC Institute

- **Vision / Mission of IIC established at the Institute**

  SPMVV-IIC is now an integral part of CAMPUS SYNERGY in SPMVV and mission is facilitating development of an Entrepreneurial ecosystem in SPMVV, promoting activities related to Intellectual Property Management and technology licensing thus enabling creation of a robust innovation and start-up ecosystem on the University campus.

- **Journey of IIC established at the Institute**

  I. First established–2018 (With one member)
  II. IIC2.0-2019 (With12members)
  III. IIC3.0 -2020 (With30 members)
  IV. IIC4.0 -2021 (With30 members)
  V. IIC5.0–2022 (With28members)
  VI. IIC 6.0 - 2023 (with 23 members)
  VII. IIC 7.0 – 2024 (With 23 members)

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

  IIC at Sri Padmavati Mahila Visvavidyalayam represents the Innovation & Entrepreneurship training and promotion. Below is the representation of people from different centres and are part of IIC 6.0 for effective functioning.

Sl.No.	**Name of the Centre/Units**	**Name of the Faculty/Director/CEO**
1	Technology Business Incubator	Dr. J. Suryakumar, Member, IIC
2	Women Biotech Incubation Facility	Prof. M. Vidyavathi, & SPMVV-WBIF
3	TePP Outreach cum Cluster Innovation Center(TOCIC)	Prof. Prof. P. Jyosthna

4	DST–CURIE– AI	Dr. P. Bhargavi
5	UN-WIFI	Prof .P. Vijaya Lakshmi
6	Institutions Innovation Council	Prof.G.Rajitha, Convenor, IIC
7	Placement and Career Counselling Cell	Prof. B. Kishori
8	Livelihood Business Incubator	Prof. B.Jeevana Jyothi
9	IPR cell	Dr. S. Madhuri Pardesi

B. Brief mention of key functionaries at the IIC Institute

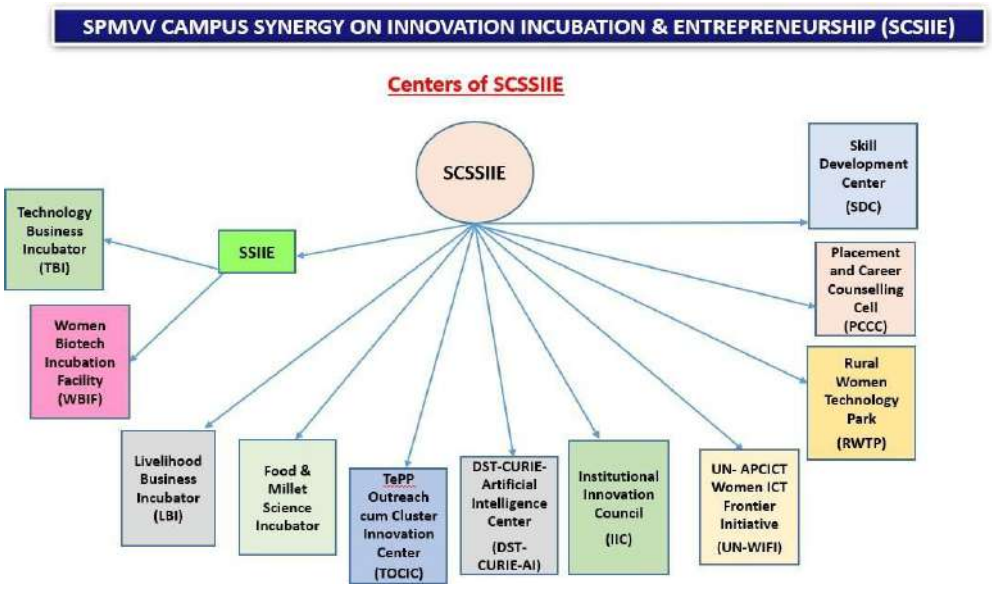
Sl.No.	**Key role/Position assigned in IIC**	**Name of the Member**
1	President-Honourable I/c Vice-Chancellor of Sri Padmavati Mahila Visvavidyalayam	Prof.V.Uma
2	Vice President & Mentor Mentee Coordinator	Prof. R. Nagaraju
3	Convenor	Prof. G. Rajitha
4	Co-convenor	Dr. G.Latha
5	Start Up activity co-ordinator	Dr. J. Suryakumar
6	Innovation activity co-ordinator	Dr. V. Kalarani
7	IPR activity co-ordinator	Dr. S. MadhuriPardeshi
8	Internship co-ordinator	Dr. V. Saritha
9	Social Media Co-ordinator	Prof. T. Sobha Rani

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

Total No. of IIC Members	Teaching Faculty – 23 Student Members - 25
Total No. of IAs	25
Total No. of faculty Mentors from Portal	10
Pre-Incubation Units	5
Incubation Units	2
IP Facilitation Unit	1

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

The research and Innovation Eco system at Sri Padmavati Mahila Visvavidyalayam has been brought under a common umbrella and called as CAMPUS SYNERGY. The pictorial representation of campus synergy and its centres as follows.



Technology Business Incubator

SIIE-TBI is an initiative of Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh and National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Govt. of India. **National Initiative for Developing & Harnessing Innovations-Technology Business Incubator (NIDHI-TBI)** was sanctioned on 22nd June 2017 via No.32/02/2016-NEB with total grant of Rs.730.66 Lakhs. SSIIE-TBI offers budding entrepreneurs much needed infrastructure support and mentoring to turn their innovations into reality.

There are 75 incubatees of which 40 are having their own starups. No of technologies /products developed are 32 and 17 of these products are already commercialised. No. of Women Entrepreneurs/Innovators are 38 and more than 3,000 people trained regarding innovation and Enterpreunership.

Signed 13 MoUs with industries and institutions to help in networking, mentoring and if possible, fund for some projects.

Main activities at SSIIE-TBI

- Cater to the demands of business incubators and startups
- Validate the idea /concept and to identify technologies/innovations which have commercial potential
- Provide physical infrastructure and support systems necessary for business incubation activities
- Help in identification of market opportunities
- Facilitate legal and IPR services
- Facilitate networking with potential advisors which include mentors, experts and consultants

Fundings Received to support Incubatees SIIE-TBI is an initiative of Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh and National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology (DST), Govt. of India. **National Initiative for Developing & Harnessing Innovations-Technology Business Incubator (NIDHI-TBI)** was sanctioned on 22nd June 2017 via No.32/02/2016-NEB for a period of 5 years with total grant of Rs.730.66 Lakhs. SSIIE-TBI offers budding entrepreneurs much needed infrastructure support and mentoring to turn their innovations into reality.

There are 97 incubatees of which 54 are having their own starups since inception. No of technologies /products developed are 32 and 17 of these products are already commercialized and more than 5000 people trained regarding innovation and Enterpreunership.

Signed 14 MoUs with industries and institutions to help in networking, mentoring and if possible, fund for some projects.

Main activities at SSIIE-TBI

- Cater to the demands of business incubators and startups
- Validate the idea /concept and to identify technologies/innovations which have commercial potential
- Provide physical infrastructure and support systems necessary for business incubation activities
- Help in identification of market opportunities
- Facilitate legal and IPR services
- Facilitate networking with potential advisors which include mentors, experts and consultants

Fundings Received to support Incubatees

a) **Startup India Seed Fund Scheme of DPIIT– Sanctioned in July 2022**

- ✓ The Ministry of Commerce and Industry, **Department for Promotion of Industry & Internal Trade** (DPIIT) – Startup India Section, Government of India, New Delhi has sanctioned **Rs 2.10 Crores** as Seed Fund to SSIIE-TBI.
- ✓ **SSIIE-TBI is the first Incubator in the state of Andhra Pradesh to receive this Grant**

- ✓ **Rs.207 Lakhs** was released as **first, second and third installments** and the disbursement of funds to the selected Startups is ongoing since Nov 2022.
- ✓ Useful for innovative business ideas which require critical capital at an early stage for proof of concept, prototype development, product trials, market entry and commercialization.

Disbursed as seed funding to 10 startups under this scheme till May 2025

b) **NIDHI PRAYAS Center of DST – Sanctioned in January 2023**

- ✓ SSIIE – TBI has been granted with **Rs 3.4 Crores** as 1st & 2nd installments for the establishment of **PRAYAS Centre (PRomoting and Accelerating Young and ASpiring technology entrepreneurs)** by **DST – NIDHI,** Government of India, New Delhi, for 1. Infrastructure and furbishing expenses of Fab Lab, 2. Fab lab Equipment, 3. Prototype Grant for Innovators and 4. Operational Expenses.
- ✓ **SSIIE-TBI is the only Incubator in the state of Andhra Pradesh to receive this Grant**
- ✓ NIDHI- PRAYAS Program aims at providing prototype funding to **convert idea into prototype** that has potential for commercialization to young and aspiring innovators.

Disbursed as seed funding to 28 innovators under this scheme

c) **GENESIS SCHEME of MeitY - Sanctioned in February 2025**

- ✓ Recently SSIIE-Technology Business Incubator has been selected as an Enabling Partner for the Gen-Next Support for Innovative Startups (GENESIS) Scheme. GENESIS, an initiative of the Ministry of Electronics and Information Technology (MeitY), which aims to foster and enhance the startup ecosystem in Tier-II and Tier-III cities across India.
- ✓ Under the GENESIS Scheme, selected Implementing Agencies (IAs) will work through the MeitY Startup Hub (MSH) to provide crucial support for pilot projects, early-stage investments, and deep-tech startups.
- ✓ Across India, 65 Implementing Agencies have been selected for the GENESIS Scheme. In Andhra Pradesh, Sri Padmavati Mahila Visvavidyalayam is the only Government University, whose SSIIE-TBI is selected under this scheme.
- ✓ Seed fund upto Rs.10 Lakhs for Ideation/PoC support for startups in Tier II & Tier III cities can be given as grant to selected startups.
- ✓ Under the GENESIS Scheme by MeitY, SSIIE-TBI has approved Rs.20 lakhs as prototype grants for 3 startups.

d) **NIDHI Accelerator Sanctioned in September 2024**

- ✓ Recently SSIIE-Technology Business Incubator has been selected for the NIDHI Accelerator Programme . This is a post incubation initiative to fast track the growth of potential startups through rigorous mentoring and networking support in a short span of time. NIDHI Accelerator Programme, usually delivered as 9 month fast-track structured program, is designed to help startups who have achieved substantial progress

in terms of market validation and deemed ready to scale up. The programme can be used to boost the Incubator's existing activities – to build and attract high quality startups – and have a customer centric validation model which enhances investment readiness as well as worthiness.

- ✓ In the Demo day, Rs.10 Lakhs can be given to selected 3 to 4 startups

Women Biotech Incubation Facility (WBIF)- Women Biotech Incubation Facility (SPMVV–WBIF), supported by **DBT-BIRAC BioNEST, Government of India**, has established a robust ecosystem to nurture innovation and entrepreneurship among students, faculty, researchers, and women entrepreneurs.

Pre-Incubation Facilities

- Dedicated co-working spaces for ideation and business model development.
- Mentorship support for student and faculty innovators to translate ideas into prototypes.
- Access to business plan development workshops, IPR awareness sessions, and pitch training.
- Networking and linkage support with industry experts, academic researchers, and funding agencies.

Incubation Facilities

- **State-of-the-art laboratories** equipped with advanced instrumentation such as **HPLC, GC-MS, NanoDrop, UV-Vis Spectrophotometer, Cooling Centrifuge, Rotary Evaporator, Vacuum Concentrator, Fermenters, Microscopes, and Autoclaves** for hands-on training, product development, and testing.
- **Technology support & infrastructure** for life sciences, biotechnology, plant-based medicines, waste management, and allied areas.
- Office spaces, meeting rooms, seminar halls, and digital resources to support incubation activities.
- **IP & Legal Support** – guidance for patent drafting, filing, and protection of innovations.
- Access to funding schemes, seed support, and BIRAC-BioNEST grant opportunities.

Student Bodies / Clubs Engaged in Promotion of Innovation & Entrepreneurship

- **Institution's Innovation Council (IIC – SPMVV Chapter):** Organizes regular workshops, hackathons, innovation challenges, and awareness programs in line with AICTE & MoE guidelines.
- **Entrepreneurship Development Cell (EDC):** Focuses on promoting student entrepreneurship, conducting bootcamps, business plan competitions, and exposure visits.
- **Innovation & Startup Clubs:** Student-led clubs actively encourage peer-to-peer learning, idea pitching, prototype exhibitions, and linkages with startup mentors.
- **Women Entrepreneurship Platform (SPMVV–WBIF):** Provides a special thrust to women innovators by enabling access to incubation, mentoring, and market linkages.

Impact

Through these facilities and student-driven initiatives, **SPMVV–WBIF** has successfully created a vibrant ecosystem where ideas are nurtured, innovations are developed, and student/faculty startups are launched, contributing to the broader national innovation and entrepreneurship landscape.

Technopreneur promotion programme Outreach cum Cluster innovation Centre (TOCIC)

- ✓ TePP Outreach cum Cluster Innovation Centre (TOCIC) of SPMVV is a major nodal centre of DSIR - Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM) , offers necessary assistance to innovators with potential ideas in developing and commercializing their idea or product.
- ✓ Sanctioned in 2016 with Maintenance Grantof Rs.12,00,000 peryear.
- ✓ It is one of the 13 centres in India promoting Innovative talent. The objective is to promote individual innovators through support mechanism at various stages to become technology based entrepreneurs (Technopreneurs).

TOCIC, SPMVV is engaged in organizing several awareness programmes for the members in Science & Technology fields and general public.

SPMVV Women ICT Frontier Initiative (WiFi-Saviskara)

- ✓ A flagship program of UN-APCICT to promote women entrepreneurship through ICT.
- ✓ The main objective of WIFI was to create socially and economically empowered women through ICT-enabled entrepreneurship and expected to strengthen the capacity of women entrepreneurs to utilise information and communication technologies in support of their businesses.
- ✓ To promote startup culture on SPMVVcampus
- ✓ TopromotewomenentrepreneurshipthroughInformationandCommunication Technology (ICT)

DST-CURIE-Artificial Intelligence

- ✓ ConsolidationofUniversityResearchforInnovationandExcellenceinWomen (CURIE) at Sri Padmavati Mahila Visvavidyalayam, Tirupati with the support of Department of Science and Technology (DST) to develop Artificial Intelligence (AI) related infrastructure for research.
- ✓ Phase I sanctioned in the year2019 with a budget ofRs 70 Lakhs and Phase II sanctioned in the year 2020 with a budget of Rs 1.7 Cr
- ✓ CURIE-AI provides short term training programs, part time courses, electives to students studying in diverse fields like Agriculture, Science, Medicine, Law, Humanities and Engineering. It was established in year 2019 with sanctioned amount of Rs.70 lakhs.

- ✓ Through Summer & Winter Training Programs, SPMVV faculty and research scholars, other Universities and Engineering colleges faculty & research scholars have been well trained in Artificial Intelligence concepts, Machine learning algorithms, Python Programming and ways to implement engineering applications, life sciences and societal ideas in AI.
- ✓ They are also trained in ideation and prototype development in AI solutions.
- ✓ More than 120 research papers on multidisciplinary fields on Artificial Intelligence were presented in National Conference and selected 23 papers published in scopus Journal "Test Engineering and Management".
- ✓ Through Students club activities SPMVV students are encouraged by giving cashprizesforwinnersinIdeaPitchingandIdeaFestival(Hackathon)activities. Selected ideas are identified and reviewed by Technology Business Incubator (TBI) center to develop prototypes.

Institutional Innovation Council (IIC)

- ✓ SPMVV-IIC is the body working under SPMVV Innovation Society as perthe directions of MHRD with a concept of IIC 2.0. in 2018. The SPMVV IIC is a recognised entity as per MHRD, IIC and registered under the name of School of Engineering & Technology (SOET) with IIC No:201811697.NowIIC 6.0is implemented in the University.
- ✓ National Innovation and Start-up Policy (NISP) is also implemented in University with AISHE Code U-0034.
- ✓ IIC program makes use of the Institute's existing infrastructure to foster the culture of I & E ecosystem in the campus
- ✓ Round the year various activities are taken up and these activities efforts of HEIs are ranked at National Level.
- ✓ Exclusive FDP & SDP program for IICs like Innovation Ambassador Training Program, Mentoring Sessions, Leadership Talks and IIC Online Sessions conducted by MHRD is coordinated by IIC at Institute level
- ✓ Helps students to participate in National Innovation Contest

Rural Women Technology Park(RWTP):

- ✓ Has been established in 2017 with sanctioned amount of Rs.81.57 lakhs under as scheme of Department of Science & Technology with a view to empowering women through inputs of science and technology.

- ✓ The aim of Women Technology Park is to create awareness among rural community and give training of proven technology to reap maximum benefits from their existing resources.
- ✓ Objective is to make Rural Women aware about "processing and preparation" that can enhance

The Placement & Career Counselling Cell

- ✓ The Placement & Career Counselling Cell from 2012 with sanctioned amount ofRs.20lakhshasbeenfunctioningeffectivelyinprovidingvariousjoboriented training and imparting company specific skills for the students of SPMVV through career counselling cell and providing placements through placement cell.Morethan427studentsfromvariousdisciplinesforyear2019-2020placed through Placement Cell.
- ✓ The Placement & Career Counselling Cell has been functioning effectively in providing various awareness programmes, job-oriented training and imparting company specific skills for the students of SPMVV through career counselling cell and providing placements. More than 490 students from various disciplines for the year 2023-2024 placed through Placement Cell.

Skill Development Center (SDC)

- ✓ SDC was established in SPMVV in 2016 with the support of APSSDC. 3 Employability skill centres were established in university to improve skills among students.
- ✓ Under this, Laptops -90, Tabs-90, LED monitors - 6, Solar UPS, Printers, CC cameras,wirelessrouters,dongletc.wereissuedbystategovernmentthrough APSSDC to university.
- ✓ APSSDC objective is to implement a structured and programmatic solution to increase employability and promote entrepreneurship in sync with industrial growth.

Livelihood Business Incubator (LBI)

LBI is the facility sanctioned by Ministry of MSME, Govt. of India to Sri Padmavati Mahila Visvavidyalayam. The main objective of LBI is to provide entrepreneurship opportunities in micro or small businesses as well as employability in selected skill based thrust areas. This unit provides both incubation and training to start small businesses or industries in sanctioned thrust areas. Our university has been sanctioned with 98.8Lakhs from Ministry of MSME to establish LBI in 6 thrust areas such as Technology of manufacturing Bakery Products, Mushroom

cultivation Distillation unit operator unit, Manufacturing of Traditional Foods and Functional Foods, Traditional Embroidery, Production of Natural Colorants from indigenous plants. The Target group of incubates are Local students/ incubates from Chittoor district specially and extended to state of Andhra Pradesh.

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

- **Number and Different types of I&E and IPR activities Conducted – TBI**
  Webinars – 3
  Awareness sessions – 3
  Hackathons –3

S. No	Name of the workshop/seminar	Date	Number of Participants	Outcome
1	Innovation & Entrepreneurship Outreach Program in Schools	11th August 2024	100	The Innovation & Entrepreneurship Outreach Program has successfully met its objectives, equipping students with essential skills and fostering an entrepreneurial mindset.
2	Mentoring Session on Innovation & Entrepreneurship	30th August 2024	100	The mentoring session on Innovation Entrepreneurship provided students with a valuable introduction to the world of entrepreneurship. The session not only equipped students with essential skills and knowledge but also inspired them to think creatively and consider entrepreneurship as a viable future path.
3	Motivational Session by Successful Start-up Founder RecycleNXT	23rd November 2024	100	The **Motivational Session by the Successful Start-up Founder of RecycleNXT** was a highly impactful event that provided attendees practical advice, the founder inspired participants to pursue their entrepreneurial dreams with resilience, adaptability, and a focus on innovation.

4	Idea to Icon -Startup Growth Strategies	20th March 2025	200	The seminar featured expert discussions on business model refinement, fundraising, go-to-market strategies, and brand positioning, offering attendees/Startups/Innovators valuable networking and learning opportunities.
5	Legal and Financial Architecture for Startups Growth	21st June 2025	150	The *Legal and Financial Architecture for Startups Growth* seminar offers valuable insights that empower entrepreneurs with essential learning, skills and knowledge. Participants gain a solid understanding of startup legal structures, regulatory compliance and intellectual property protection. The seminar enhances financial literacy by teaching budgeting, forecasting, and capital structuring strategies vital for scaling operations.
6	Converting Innovations to Startups	2nd August 2025	60	The seminar aims to create awareness and build capacity among innovators, researchers, and students on transforming innovative ideas into viable startups. It provide insights into the entrepreneurial journey, covering aspects such as problem identification, value creation, market validation, business model development, funding opportunities and the role of incubation and mentorship
7	Msme hackathon 5.0 Internal screening		29 ideas received	Encourage inclusive, tech-driven innovation; support ideas to prototype stage with Rs.15 L grant if selected in final stage; align with national development goals

8	Internal Hackathon of AQVH 2025	28th August 2025	80	To shortlist 2 ideas of SPMVV to semifinals of Amaravati Quantum Valley Hackathon 2025
9	Semi Finals Hackathon of AQVH 2025	10th September 2025	250	To encourage and reward innovation, certificates and cash prizes were presented to the winning teams. Total 8themes participated from in and around colleges of Nellore, Tirupati and Kadapa, For each theme, the winners received Rs. 10,000/- and the runners-up received Rs. 5,000/-. This event served as a platform to showcase transformative ideas in quantum technologies and the winners of semi finals will compete in AQVH finals to be held at Acharya Nagarjuna University .

- **No. of student's & faculty ideas generated**

With support from TBI – 25 TBI incubatees (Innovators and startups) (August 2024 to till now)

With support from WBIF – 29

- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus- 1,36,906/-

S.No	Name of the Incubatee	Startup	Title
1	Naveen	Girsan Innovations	2Heart: AI-Driven Soleus Activation Device
2	Prasad	Bionus Pvt ltd	India's first AI-based offline evaluation platform for handwritten classwork and assessments using E-Ink technology.
3	VeeraBadra	Onyeg Private Limited	Production of Avena Sativa fibers with 98% purity Hybrid Extraction Procedure
4	Suchandrahas	Dexoplovate Pvt.Ltd	Asthamatics in Rescue
5	Sravya	Easy Humid	Shuttlecock humidification solution

6	Mohith Sharma	Fixpoint	AI powered vehicle intelligent devices
7	Dr. N. Vara Lakshmi	Company not registered	Development of Biomass-Derived nanocarbon derivatives for Supercapacitors based on binary metal oxides
8	Dr. M.Vidyavathi	Company not registered	Fish scale collagen based bio scaffolds for skin tissue regeneration
9	Dr.N.Sandhya	Company not registered	Development of rapid diagnostic kit for early detection of Chicken Anemia Virus
10	Dr. Subba Reddy Daggumati	Company not registered	"Design, Manufacturing, and Assembly of Industrial Scale Aircraft Outer and Central Wing Box (OWB & CWB) sections
11	Dr. P. Josthna	Company not registered	Nano-Encapsulated Anti-Aging Cream: A Sustainable Innovation using Beta-Carotene from Red Micro-algae
12	Dr. V. Manjunath	Company not registered	Development of High Quality and Eco-Friendly Gallium-Nitride-Based metal/Insulator/Semiconductor (MIS) Heterojunctions for Opto electronic Device Applications
13	Vismaya .S	Company not registered	Tinysense: A Device to detect and prevent cardiac risks in CKD and Dialysis Patients
14	N. Theertha Devaiah	Company not registered	Smart kinesthetic and ergonomically engineered device for adept dentistry (SKEEDAD)
15	Dr. Desireddy Nikhil Reddy	Topmake Health care Pvt.Ltd	A novel remote operated multifunctional device for diagnosing and treating wounds
16	N.Rama Jyothi	Kethana Techbees Pvt.Ltd	Chitosan Hydrogels : Innovative Solutions for Resilient and Sustainable Communities”
17	K.Jagath Narayan	Vayusangrah Technologies Pvt.Ltd	Composite Overwrapped Pressure Vehicles
18	Purandar Allam	Aamani Automation Pvt.Ltd	AiFiC
19	K.Dileep Singh Chowhan	Kelothu Deeptech Pvt.Ltd	Tryonfit

20	Dr.A.Suryanarayana	Sri Dharni Agrotech Pvt.Ltd	Bioconversion of agri waste to value added products
21	Dr.V.V.Lakshmi	Sri Ecozymes Pvt.Ltd	Bioconversion of waste to value added products
22	B.Vinay	Ecopuls	Coir related Ecofriendly products
23	Dr.Swathi Putta	Yogvahi	Herbal beverages
24	P.Harish	Company not registered	Interactive Learning
25	Chethan Krishna K	Company not registered	Portable Mini Crane

- **No. of student's , faculty , TBI incubates (Innovators and startups) Innovation/prototypes developed-15**

S.No	Individual Innovator Name	Start-up Name	Project Tile
1	Dr .G. Sireesha	-	Betalain based natural food colours
2	Dr .D. Sujatha	-	3D- printed bio-sponges for angiogenesis & Wound healing
3	Dr.P.Snehalatha	-	Eco-Friendly Cellulose –based Hydrogels for Feminine care Products
4	Dr.N.Rama Jyothi	-	Development of Biodegradable PBAT-Lignin-Chitosan Composite - Biodegradability Application in Food packing material
5	Dr. Vani Mathakala	-	Formulation of seagrass granules for the treatment of metabolic dysfunction associated fatty liver disease
6	D.Kundana Sai	-	Development of Algal-based Water Rejuvenating Device for purification of water contaminated with Plaster of Paris
7	Dr.N.Sreerajani	-	Bio-Degradable and low cost hygienic sanitary napkins- with banana waste and neem

8	Nannimala Santhosh Kumar	Sanv Innovative Solutions Pvt.Ltd	VENTOMOTTO24.7
9	Dr Sujitha Pombala	UCHA Herbs Private Limited	Developing advanced biodegradable 'Green' nanocomposites as low-cost futuristic antimicrobial food packing materials
10	Konjeti Munivenkata Prathap	Meenakshi Mukundha Times	Set Magnetic Motors
11	Anoop Ravi	-	worlds first strong hybrid engine with self-charging capacity for motor cylces and scooters
12	N.Kusuma	I3DBee Technologies Pvt. Ltd	Multi Convertible VTOL Defence Based Surveillance/Inspection UAV
13	Dr. Soujit Sengupta	NGEN Water Solutions Pvt. Ltd	Development of Capacitive Deionization (CDI) Prototype for House-hold Clean Drinking Water
14	Dr K. V. Sucharitha	-	Millet Snack Stations
15	Mr. G. Uma Naveen Kumar	-	Advancing Sodium-Ion Batteries: Unlocking the Future of Sustainable Energy

- **No. of IPs generated, published and granted -14 filed**

- Pombala Sujitha,2025-A Bioactive Nanocomposite and Method of Preparation Thereof, 202541009782
- Ms. P.Snehalatha, 2024 – Design grant India Patent for "Ultra thin multi-layered Sanitary Napkin "- Patent No: 432117-001(Patent Filed)(28-09-2024)
- Ms. P.Snehalatha, 2024 –India Patent for "Bamboo cellulose based hydrogel composition and sericin coated feminine care pads for enhanced absorbency and hygiene."- Patent No: 202441083493 (Patent Published) (30-10-2024)
- Dr.N.Rama Jyothi, 2025-A Biodegradable composition for food packing application & & method of preparation, 202441099008
- Dr. Vani Mathakala,2024- A Bioactive Granule Formulation For Fatty Liver Disease And Method Of Preparation Thereof 2025 41004164A
- D.Kundana Sai,2025-Microalgae Enabled Floating Units (MEFU-X): A Modular Floating in Bio remediation System Suitable for Comprehensive Water Pollution Powered by Immobilized Micro algae and Magnetite Nano composites, 202541041858

- Dr.N.Sreerajani, 2025-Bio-Degradable and Low cost Hygenic sanitary napkins with Banana waste and Neem, 202541045367
- G.Uma Naveen Kumar,2025-Suction oriented neo integrated circuit water pump, 456120-001
- Dr. Sucharitha.K.V. 2025-Pearl Millet Crackers: A Healthy Nutritious Alternative, 202541046527 A
- Dr. Sucharitha.K.V.2025-Standardisation & Formulation Of Green Pearl Millet Sticks, 202541044478 A
- Dr. Sucharitha.K.V,2025-Healthy Pearl Millet Muffins And The Preparation Method Thereof, 202541046643 A
- Dr. Sucharitha.K.V. 2025-Standardisation And Formulation Of Barnyard & Pearl Millet Choco Shots, 202541044106 A
- Mr.K.M.V.Pratap 2025- Ultra subcooling system for Air conditioning and Refrigeration Application and Method of Operations-Patent published – Patent No.202541006217A-31/1/2025
- Ms. P.Sujitha, 2024. "A process for developing smart biodegradable antimicrobial films for food packaging with enhanced pathogen protection and shelf-life extension". 202441069725.15/9/2024 (Patent Applied)

- **No. of Student, Faculty & TBI incubates Start-ups/Ventures established.**

S.No	Name of the Incubatee	Startup	Title
1	Mr.Naveen	Girsan Innovations	2Heart: AI-Driven Soleus Activation Device
2	Mr.Prasad	Bionus Pvt ltd	India's first AI-based offline evaluation platform for handwritten classwork and assessments using E-Ink technology.
3	Mr.VeeraBadra	Onyeg Private Limited	Production of Avena Sativa fibers with 98% purity Hybrid Extraction Procedure
4	Mr. M. Suchandrahas	Dexoplovate Pvt.Ltd	Asthamatics in Rescue
5	Ms.Sravya	Easy Humid	Shuttlecock humidification solution
6	Mr.Mohith Sharma	Fixpoint	AI powered vehicle intelligent devices
7	Dr. Desireddy Nikhil Reddy	Topmake Health care Pvt.Ltd	A novel remote operated multifunctional device for diagnosing and treating wounds
8	Dr.N.Rama Jyothi	Kethana Techbees Pvt.Ltd	Chitosan Hydrogels : Innovative Solutions for Resilient and Sustainable Communities"

9	Dr.K.Jagath Narayan	Vayusangrah Technologies Pvt.Ltd	Composite Overwrapped Pressure Vehicles
10	Mr.Purandar Allam	Aamani Automation Pvt.Ltd	AiFiC
11	Mr.K.Dileep Singh Chowhan	Kelothu Deeptech Pvt.Ltd	Tryonfit
12	Dr.A.Suryanarayana	Sri Dharni Agrotech Pvt.Ltd	Bioconversion of agri waste to value added products
13	Dr.V.V.Lakshmi	Sri Ecozymes Pvt.Ltd	Bioconversion of waste to value added products
14	Mr.B.Vinay	Ecopuls	Coir related Ecofriendly products
15	Dr.Swathi Putta	Yogvahi	Herbal beverages

- **Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus**

  By TBI – Rs.5,21,469
  By WBIF –
  By LBI -

- **Amount grant or fund supported to student, Faculty lead Innovations, TBI incubates (Innovators and startups), and IPR**
  Under NIDHI-PRAYAS Scheme

S. No	Individual Innovator Name	Start-up Name	Title	Amount (Rs.)
1	Mr. Kelothu Dilip Singh Chowhan	Kelothu Deeptech Pvt .Ltd	Tryonfit	5,00,000/-
2	Dr. N. Vara Lakshmi	Company not registered	Development of Biomass-Derived nanocarbon derivatives for Supercapacitors based on binary metal oxides	8,00,000/-
3	Dr. M.Vidyavathi	Company not registered	Fish scale collagen based bio scaffolds for skin tissue regeneration	8,00,000/-
4	Dr.N.Sandhya	Company not registered	Development of rapid diagnostic kit for early detection of Chicken Anemia Virus	8,00,000/-
5	Dr. Subba Reddy Daggumati	Company not registered	"Design, Manufacturing, and Assembly of Industrial Scale Aircraft Outer and Central Wing Box (OWB & CWB) sections	10,00,000/-

6	Dr. P. Josthna	Company not registered	Nano-Encapsulated Anti-Aging Cream: A Sustainable Innovation using Beta-Carotene from Red Micro-algae	6,00,000/-
7	Mr. Budharaju Vinay	Ecoplus	Coco Fiber- The Sustainable Agri-Bag	6,00,000/-
8	Dr. V. Manjunath	Company not registered	Development of High Quality and Eco-Friendly Gallium-Nitride-Based metal/Insulator/Semiconductor (MIS) Heterojunctions for Opto electronic Device Applications	7,00,000/-
9	Ms.Vismaya .S	Company not registered	Tinysense: A Device to detect and prevent cardiac risks in CKD and Dialysis Patients	8,00,000/-
10	Dr. N. Theertha Devaiah	Company not registered	Smart kinesthetic and ergonomically engineered device for adept dentistry (SKEEDAD)	7,50,000/-
11	Dr. Desireddy Nikhil Reddy	Topmake Health care Pvt.Ltd	A novel remote operated multifunctional device for diagnosing and treating wounds	8,00,000/-
12	Dr. Swathi Putta	Yogvahi Industries	Silver Nanosphere–Coated Filters from Fruit Peels for Heavy Metal Removal	6,00,000/-
13	Dr. Vasavi Thirumalanadhuni	Fourth Apple Biosciences	Fermented vegetable- based foods for specific health needs	8,80,000/-

Under MeitY-GENESIS

S.No	Startup name	Amount Sanctioned (Rs.)	Funding Type
1	Aamani Automation Private Limited	9.5 Lakhs	Grant
2	Vayusangrah Technologies Private Limited	6.5 Lakhs	Grant
3	Kethana Techbees LLP	4.0 Lakhs	Grant
	Grand Total	**20 Lakhs**	

Under –SISFS Schemes

S.No	Startup name	Amount Sanctioned (Rs.)	Funding Type
1	Sarvaa Research & Innovation Pvt Ltd	10 Lakhs	Convertible Debenture
2	Swami Samarth Herbals LLP	15 Lakhs	Grant
3	Edodwaja Pvt Ltd	25 Lakhs	Convertible Debenture

4	RecycleNXT	25 Lakhs	Debt
5	Musafibral	10 Lakhs	Grant
6	Phytoelectron Technologies	15 Lakhs	Debt
7	Sri Sriram Herbals	10 Lakhs	Grant
8	Meenakshi Mukunda Times	5 Lakhs	Grant
9	Spyblood Healthcare Pvt. Ltd	25 Lakhs	Convertible Debenture
10	Bionus Pvt. Ltd	20 Lakhs	Convertible Debenture
11	Girsan Innovations Pvt Ltd	40 Lakhs	Convertible Debenture
	Grand Total	**200 Lakhs**	

- **No. of Technology Transfer and Commercialisation happened – Commercialized-03**

S. No.	Name of the Incubatee	Name of the Venture promoted	Product Area	Outcome (performance)
1	Mr.Safar Rahman	RecycleNXT	**Waste Management** Production of Backpacks from Plastic waste	Mr. Safar Rahman, RecycleNXT Founder from Chennai foused on Recycling of Plastic wastes by manufacturing Backpack bags and other products from Recycled plastic waste, Collection of plastic waste through an e-commerce platform
2	Dr.B.Ramadevi	SriSri Ram Herbal Industries	**Healthcare** Cost effective Herbal Sanitary Napkins	SriSriRam Herbal Industries developed Eco -Friendly herbalsanitary napkins . which are cost effective, safe, ultra thin in the economy range to reach out to all below poverty people
3	Mr. P.Sreenivasulu	Musafibral	**Waste Management** Production of Textles from Banana waste	Musafibral is an Agro Startup company focused on spreading awareness about natural fibres. The startup making fabric & other products from banana waste.

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

[Profile of few faculties with 2-3 line of their achievements]

1.Ms.D. Kundana Sai

Title of Innovation: Development of Algal-based Water Rejuvenating Device for purification of water contaminated with Plaster of Paris

Received Innovation Award in recognition of her outstanding contribution to innovation and entrepreneurship. The award was presented during the World Intellectual Property Day 2025 celebrations organized by RUSA 2.0 - Acharya Nagarjuna University in April 2025

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ఆంధ్రప్రభ

hanews.com | శనివారం 26 ఏప్రిల్ 2025

కుందన సాయికి ఇన్నోవేషన్ అవార్డు

తిరుపతి ఎడ్యుకేషన్, ఏప్రిల్ 25 (ఆంధ్రప్రభ) శ్రీపద్మావతి మహిళా విశ్వ విద్యాలయం ఎస్ఎస్ఐఐఇ, టిబిఐ నిధి ప్రయాసీ, డి.కుందన సాయి వ్యవస్థాపక ఆవిష్కరణలో ఆమె చేసిన అద్భుతమైన కృషికి గుర్తింపు గా ఇన్నోవేషన్ అవార్డు లభిం చింది. ఆచార్య నాగార్జున విశ్వవిద్యాలయం ప్రపంచ మేధో సంపత్తి దినోత్సవం వేడుకలు నిర్వహించి అవార్డును ప్రదానం చేశారు.

వీసీ వి.ఉమ ద్వారా ఇన్నోవేషన్ అవార్డు అందుకుంటున్న విద్యార్థిని డీ కుందన సాయి

ప్లాస్టర్ ఆఫ్ పారిస్‌తో కలుషితమైన నీటిని శుద్ధి చేసే లక్ష్యంతో ఆల్గల్ ఆధారిత నీటి పునరుజ్జీవన పరికరం కోసం ఒక నమూనాను ఎస్పిఎంవివిలో బయోటెక్నాలజీ విద్యార్థిని డి.కుందన సాయిఅభివృద్ధి చేశారు. ఎస్ఎస్ఐఐఇ-టిబిఐ మార్గదర్శకత్వం ఇంక్యుబేషన్ కింద నిధి- ప్రయాస్, ప్రోటోటైప్ గ్రాంట్ కుందన సాయి అంధించడం ద్వారా ఆమె నమూనాను అభివృద్ధి చేసింది. ఈ మేరకు శుక్రవారం మహిళ వర్సిటీ వైస్ ఛాన్సలర్ ప్రొఫెసర్ వి.ఉమ, రిజిస్ట్రార్ డాక్టర్ ఎన్.రజని, ఎస్ఎస్ఐఐఇ-టిబిఐ చీఫ్ ఎగ్జిక్యూటివ్ ఆఫీసర్ డాక్టర్ జె.సూర్య కుమార్ కుందన సాయి, టిబిఐ బృందాన్ని అభినందించి ఇన్నోవేషన్ అవార్డు అందజేశారు. ఆవిష్కరణలు పరిశోధనలను ఉపయోగించి సమాజ శ్రేయస్సుకు పరిష్కారాలు కనుగొన్న అందు కు కుందన సాయి ప్రశంసించారు.

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Source : https://epaper.prabhanews.com

2.Mr.G. Uma Naveen Kumar,

Title: Farmer friendly Agriculture Electro Mechanical water Pump

NIDHI-PRAYASEE of SSIIE-Technology Business Incubator at Sri Padmavati Mahila Visvavidyalayam (SPMVV), has secured the **3rd Prize in the prestigious Global Innovation Challenge held at Vellore Institute of Technology (VIT).** The award was presented by Dr. Pemmasani Chandrasekhar, Hon'ble Minister of State for External Affairs and Education, on 28th April, 2025.



3. SSIIE-TBI and its startups participated in Startup Mahakhumbh event at New Delhi in March 2025.



4. Futuristic Lab on Wheels(FLOW) bus inaugurated at SPMVV by Honourable Vice Chancellor-Prof.V.Uma and created awareness about STEM among school children through FLOW by Edodwaja Private Limited, a startup incubated at SSIIE-TBI,



5. Dr. N. Ramajyothi, Faculty of *Sri Padmavati Mahila Visvavidyalayam (SPMVV)*, incubatee of *SSIIE-Technology Business Incubator* and *NIDHI-PRAYAS* grantee, showcased her innovative biodegradable food packaging products (**Biopack Innovations) under the startup Kethana techbees**. Her contribution, presented virtually, was recognized with a **Bronze Medal** under the category *Urban Sustainability – Advanced Manufacturing*. 2025 BRICS Competition of Skills Development and Technology Innovation LATAM --was held on **16th September 2025 in Brazil**. This prestigious international initiative is focused on fostering talent and innovation in the domains of smart manufacturing and digital technologies.

‘Biopack’ innovation wins bronze at BRICS Tech contest



SPMVV Vice-Chancellor Prof V Uma and Registrar Prof N Rajani with Dr Ramajyothi and SSIIE-TBI team in Tirupati on Thursday

HANS NEWS SERVICE
TIRUPATI

SRI Padmavati Mahila Visvavidyalayam (SPMVV) has earned global recognition at BRICS Skills and Technology Competition LATAM -2025 held in Brazil on September 16.

Faculty member from the School of Engineering and Technology Dr N Ramajyothi showcased her startup ‘Biopack’ innovations under Kethana Techbees, which develops biodegradable food packaging materials. Her project, supported by SSIIE-Technology Business Incubator and NIDHI-PRAYAS, won the Bronze Medal in the category Urban Sustainability – Advanced Manufacturing. The presentation was made virtually. The BRICS competition organised under theme ‘Smart, Human, Happy, and Resilient Cities’, brought together innovators from across the world to promote sustainable and technological solutions. SPMVV Vice-Chancellor Prof V Uma said the award reflects India’s growing place in the global innovation world, especially in promoting eco-friendly technologies.

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

S. No.	Innovator	Title of Innovation	Brief note on startup
1	Dr .G. Sireesha Faculty	Betalain based natural food colours	Food colours extracted from natural sources have emerged as an alternative to their synthetic counterparts due to many reported health concerns of the later.Natural food colorants are mainly available belonging to the class of chlorophyll, anthocyanin, carotenoids etc., . The class of betalains which are nitrogenous, water-soluble glycoside or polyphenolic derivatives impart beautiful spectrum of colours ranging from, red-violet and yellow. Our proposal is to develop an innovative technology to obtain water soluble betalain pigments as food colorants in a stable solution or gel form for applications in food industry
2	Dr .D. Sujatha Faculty	3D- printed bio-sponges for angiogenesis & Wound healing	Expired platelet lysates (EPL) are being exploited to develop as artificial growth medium for cell culture. Many works are available to scientifically validate its use for cell proliferation.
3	Dr.P.Snehalatha Faculty	Eco-Friendly Cellulose –based Hydrogels for Feminine care Products	Hydrogel is an intriguing field of study, with many different perspectives. Due to the increased focus on environmental issues, biodegradable Hydrogels, such as cellulose - based, are gaining popularity for potential commercial applications in health care (Sanitary Pad). It is also a naturally occurring polymer with a long chain. Hydrogels made from cellulose and its derivatives could be a viable alternative to synthetic superabsorbent polymers. In this regard, using nontoxic cross linking agents will be a more fruitful attempt, and the use of radiation will make the process more acceptable. Sericin coating with 6%, exhibits several important biological activities such as biodegradability, biocompatibility, antioxidant behavior, UV protective properties, moisturizing capabilities etc. Our aim is to develop effective absorbent sanitary pads (Hydrogel based) coated with

			Sericin which will have additional benefits like high absorption capacity, biodegradability and bio compatibility.
4	Dr. Vani Mathakala Faculty	Formulation of seagrass granules for the treatment of metabolic dysfunction associated fatty liver disease	Several of the actions of seagrass granules, including the management of metabolic disorders, an improvement in glycometabolism, an effect that lowers lipids, and an effect that increases insulin sensitivity, may hint at its possible use in the treatment of MAFLD/NAFLD sufferers. The formulation of seagrass granules has long been beneficial to those with diabetes and insulin resistance. It also plays a role in improving insulin resistance and has an impact on enhancing glucose absorption through IRS-1/AKT stimulation.
5	Dr.N.Sreerajani Faculty	Bio-Degradable and low cost hygienic sanitary napkins-with banana waste and neem	Low cost feminine hygiene is a priority . In Andhra Pradesh, as in other parts of India , menstruation and menstrual practices are clouded by taboos and social restrictions for women as well as girls. The problem is the affordability to the choices or means adopted for menstrual hygienic management where sanitary napkin is preferred by and large by the women and girls but due to low income and poverty they many times fail to afford it. Thus this innovation not only would be responsive to meet the need of low cost sanitary napkin demand of the poor and marginalized community's women and girls but also would set-up and run a business model that would further support on engaging some of the girls and women for their employability and earning income and empowering them. Hence, we will make sure production , promotion and uses od Bio-Degradable low cost sanitary napkins by the target beneficiaries itself.
6	D.Kundana Sai student	Development of Algal-based Water Rejuvenating Device for purification of water contaminated with Plaster of Paris	The increasing pollution inferred through anthropogenic activities like Plaster of Paris idol immersion in water bodies has led to the depletion of our water bodies' quality throughout our country. The release of high amounts of calcium, sulfates, heavy metals, etc lead to

			detoriation of the planktonic life which are the primary organisms of aquatic food chain. The quality parameters of water like pH, turbidity, dissolved oxygen, dissolved carbon dioxide, total solids, etc are highly deviated from the normal healthy ranges. In a quest to rejuvenate these damaged water bodies, the proper solution should posses two qualities- an excellent adsorption capacity and a non interfering ability towards the indigenous aquatic flora and fauna. One of the best prospectus solutions is algae which are known for their biosorption of heavy metals, sulfates, excess nutrients and rejuvenating the water. Immobilizing these algae in a suitable matrix will prevent them from exploring the water directly, hence preventing the chance of invasion. The proposed project aims on developing an algal based water rejuvenating device that purifies water contaminated with plaster of paris
7	G. Uma Naveen Kumar	**Agritech** Advancing Sodium Ion Batteries: Unlocking the Future of Sustainable Energy	Farmers are reliant on electricity and IC engines. Pump that use electricity to deliver water to agricultural fields. Farmers face challenges such as a lack of constant access to electricity, so the innovation proposed in this project is to employ BLDC motors instead of IC engine motors. The BLDC motor pumps are powered by external sources such as lithium ion batteries. The BLDC motor pumps will be constructed with a 20% weight reduction over conventional motors, and the operational cost of our suggested pump will be less than paisa per litre. The pump and battery can be mounted on the vehicle and quickly moved to a new position. The battery controller can be turned on and charge the battery whenever there is power, or it can be switched over to solar power.

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

S. No.	Innovator	Title of Innovation	Brief note on startup
1	Ms.Kusuma I3DBEE Technologies Private Limited	**Mechanical/Aeronautical & Defense** Multi Convertible VTOL Defense base survillence/ Inspection UAV	Multi Convertible VTOL Defence based Surveillance/Inspection UAV is a new version of Drone which had the capability to detect itself by a sensor to convert from Drone to VTOL or to VTOL to Drone on conditional based application. This version of VTOL can be used as Surveillance at higher altitudes and higher fly time for longer distances. If case of any failure it converts back to drone. For higher payloads it converts to drone and VTOL pusher motor supports for to move Drone faster with less consumption of battery for longer distance.
2	Dr.N.Rama Jyothi Faculty Kethana Techbees	Development of Biodegradable PBAT-Lignin-Chitosan Composite - Biodegradability Application in Food packing material	Biodegradable materials are important to health and they prevent toxic effects from plastics. Biodegradable materials from lignin and chitosan will be prepared which can be replaceable materials of plastic. Storage of food and durability of food will be sustained for long period.
3	Dr. Soujit Senguptha NGEN SOLUTIONS	**Water Desalination** Development of Capacitative Deionisation	A newly developed non-membrane desalination method that is energy-efficient and use the electro-sorption principle is capacitive deionization (CDI). Two oppositely charged carbon electrodes with high porosity, electrical conductivity, and a sizable surface area are the main components of CDI, which predominantly removes charged particles/ions from water. A

			current collector (usually a sheet of graphite or titanium) connects the electrodes to a DC source after separating them with a spacer. Low voltage (an applied potential between 0.8 and 2.0 V that is below the hydrolysis potential of water at the electrode surface) and low pressure are necessary for operation. Electrodes generate an electrical double layer when a voltage is applied, charging their surface. The feed water is desalinated by these charged electrodes, which adsorb the counterions in the water. The electrodes are regenerated by switching the power source's terminals backward and dumping the excessively salty stream produced as a result of this process. The clean drinking water provided by this technology is affordable and of high quality.
4	Mr.Anoop Ravi Macgan	**Engineering** Development of worlds first Flex Fuel Hybrid Motorcycle	The project is all about developing a production version of Motorcycle Hybrid engine technology to bridge the gap between existing internal combustion engines (ICE) and futuristic pure electric powertrains. The engine would use renewable fuel (ethanol, bio diesel) in it's hybrid engine which has self-charging capability. Anoop's patented technology requires only one third of lithium-ion battery by weight and volume there by reducing the mining and import of rare minerals and batteries. This advanced hybrid

			powertrain helps to reduce overall weight and cost of the vehicle. Additionally this technology reduces carbon emission by delivering optimised mechanical efficiency and by the utilisation of renewable fuels in a more efficient way
12	Dr. P. Sujitha Ucha Herbs Private Limites	**Biosciences** Development of Biodegradable Antimicrobial packing materials	This project aims to revolutionize food packaging by developing advanced biodegradable 'green' nanocomposites with potent antimicrobial properties. Conventional plastic packaging contributes to pollution and is often non-biodegradable, while food safety and shelf life are paramount concerns. This project seeks to address these challenges by creating innovative nanocomposite materials in various forms (gel, powder, film, foam) that are not only biodegradable but also effectively inhibit drug-resistant foodborne pathogens and other contaminants. These nanocomposites will extend the shelf life of food products, reduce food waste, and significantly decrease the environmental impact of packaging. The project aligns with sustainability goals, catering to consumer demand for eco-friendly, safe, and cost-effective food packaging solutions.
13	Mr. C. Avinash Spy blood Healthcare Pvt.Ltd	**Healthcare** LiverEdit™ - Everyday liver health prediction and advice for alcoholic adults	Spyblood healthcare private limited is a cutting-edge biotechnology and life sciences company dedicated to revolutionizing the healthcare industry. With a focus on innovation and scientific

			advancements, They are committed to developing groundbreaking solutions that improve human health and enhance the quality of life.
14	Ms.Greepthika Raju & Raaja Suresh Phytoelectron	**Engineering Science** Cost effective solar powered mobile jacket to encounter charging issues	PhytoElectron Technologies is a Research and Development Company. They provide next-generation products for industrial, Consumer, Commercial, and advanced technology applications. The company specializes in building Bio-medical and Bio-Electronics capabilities in Industrial, Automotive, Semiconductor, and IoT.
15	Dr.B.Ramadevi SriSri Ram Herbal Industries	**Healthcare** Cost effective Herbal Sanitary Napkins	SriSriRam Herbal Industries aims to develop Eco -Friendly herbalsanitary napkins . which are cost effective, safe, ultra thin in the economy range to reach out to all below poverty people

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

S.No	Name of the Innovator	Title of Innovation	Brief note on startup
1	Dr. P. Sujitha Ucha Herbs Private Limites	**Biosciences** Development of Biodegradable Antimicrobial packing materials	This project aims to revolutionize food packaging by developing advanced biodegradable 'green' nanocomposites with potent antimicrobial properties. Conventional plastic packaging contributes to pollution and is often non-biodegradable, while food safety and shelf life are paramount concerns. This project seeks to address these challenges by creating innovative nanocomposite materials in various forms (gel, powder, film, foam) that are not only biodegradable but also effectively inhibit drug-resistant

			foodborne pathogens and other contaminants. These nanocomposites will extend the shelf life of food products, reduce food waste, and significantly decrease the environmental impact of packaging. The project aligns with sustainability goals, catering to consumer demand for eco-friendly, safe, and cost-effective food packaging solutions.
2	Dr.N.Rama Jyothi Faculty Kethana Techbees	**Development of Biodegradable PBAT-Lignin-Chitosan Composite - Biodegradability Application in Food packing material**	Biodegradable materials are important to health and they prevent toxic effects from plastics. Biodegradable materials from lignin and chitosan will be prepared which can be replaceable materials of plastic. Storage of food and durability of food will be sustained for long period.
3	D.Kundana Sai student	**Development of Algal-based Water Rejuvenating Device for purification of water contaminated with Plaster of Paris**	The increasing pollution inferred through anthropogenic activities like Plaster of Paris idol immersion in water bodies has led to the depletion of our water bodies' quality throughout our country. The release of high amounts of calcium, sulfates, heavy metals, etc lead to detoriation of the planktonic life which are the primary organisms of aquatic food chain. The quality parameters of water like pH, turbidity, dissolved oxygen, dissolved carbon dioxide, total solids, etc are highly deviated from the normal healthy ranges. In a quest to rejuvenate these damaged water bodies, the proper solution should posses two qualities- an excellent adsorption capacity and a non interfering ability towards the indigenous aquatic flora and fauna. One of the best prospectus solutions is algae which are known for their biosorption of

			heavy metals, sulfates, excess nutrients and rejuvenating the water. Immobilizing these algae in a suitable matrix will prevent them from exploring the water directly, hence preventing the chance of invasion. The proposed project aims on developing an algal based water rejuvenating device that purifies water contaminated with plaster of paris
4	G. Uma Naveen Kumar	**Agritech Advancing Sodium Ion Batteries: Unlocking the Future of Sustainable Energy**	Farmers are reliant on electricity and IC engines. Pump that use electricity to deliver water to agricultural fields. Farmers face challenges such as a lack of constant access to electricity, so the innovation proposed in this project is to employ BLDC motors instead of IC engine motors. The BLDC motor pumps are powered by external sources such as lithium ion batteries. The BLDC motor pumps will be constructed with a 20% weight reduction over conventional motors, and the operational cost of our suggested pump will be less than paisa per litre. The pump and battery can be mounted on the vehicle and quickly moved to a new position. The battery controller can be turned on and charge the battery whenever there is power, or it can be switched over to solar power.

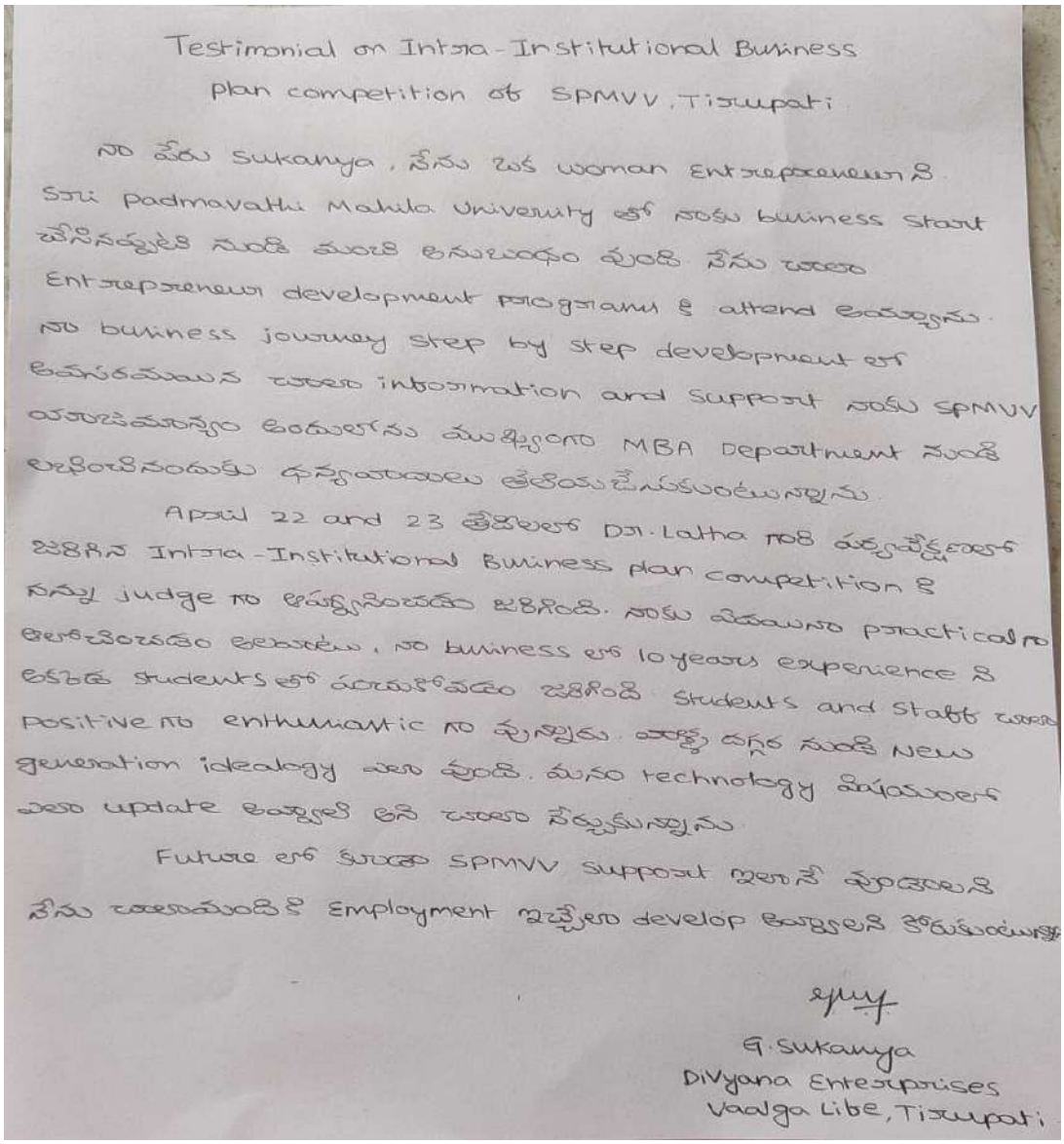
J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

- ARIIA – participation and Rank
- NISP Adoption status - Faculty was trained and Institute has adopted and started implementing NISP
- Developed YUKTI National Repository at the institute level
- Developed online e-content

- **Detail of Social Media&Connections of IIC institute**

Sl. No.	Social Media	User ID
1	Instagram	https://www.instagram.com/p/C3mvpYMLThL/?igsh=MTZoNTJtNXlvMTRncA==
2	FacebookPage	**SPMVV WBIF**
3	SSIIE-TBI	www.spmvv-tbi.in
4	Twitter	Women Biotech Incubation Facility, SPMVV, Tirupati @WIncubation

- **Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell**



Testimonial on Intra-Institutional Business plan competition of SPMVV, Tirupati

నా పేరు Sukanya, నేను ఒక woman Entrepreneur ని Sri Padmavathi Mahila University లో నాకు business start చేసినప్పటి నుండి మంచి అనుబంధం వుంది. నేను చాలా Entrepreneur development programs కి attend అయ్యాను. నా business journey step by step development లో అవసరమయిన చాలా information and support నాకు SPMVV యాజమాన్యం అందులోను ముఖ్యంగా MBA Department నుండి లభించినందుకు ధన్యవాదాలు తెలియజేసుకుంటున్నాను.

April 22 and 23 తేదీలలో Dr. Latha గారి పర్యవేక్షణలో జరిగిన Intra-Institutional Business plan competition కి నన్ను judge గా ఆహ్వానించడం జరిగింది. నాకు విషయం practical గా ఆలోచించడం అలవాటు, నా business లో 10 years experience ని ఒక్కడ students లో పంచుకోవడం జరిగింది. Students and Staff చాలా positive గా enthusiastic గా వున్నారు. వాళ్ళ దగ్గర నుండి New generation idealogy ఎలా వుంది. మనం technology విషయంలో ఎలా update అవ్వాలి అని చాలా నేర్చుకున్నాను.

Future లో కూడా SPMVV support ఇలానే వుండాలని నేను చాలామంది కి Employment ఇచ్చేలా develop అవ్వాలని కోరుకుంటున్నా

G. Sukanya
Divyana Enterprises
Vaalga Life, Tirupati

Testimonial on "Protecting Intellectual Property Rights (IPR) and IP Management for Startups" Workshop under the Institution's Innovation Council (IIC) of Sri Padmavati Mahila Visvavidyalayam, Tirupati

It was an absolute privilege to be associated with the **Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam (SPMVV), Tirupati**, as a **Resource Person** for the workshop on **"Protecting Intellectual Property Rights (IPR) and IP Management for Startups"** held on **19th March 2025** at the **SSSH&M Seminar Hall, Humanities Block**.

The workshop was excellently organized and provided a highly engaging platform for interaction with the bright and enthusiastic students of SPMVV. Their curiosity, insightful questions, and eagerness to understand the nuances of Intellectual Property Rights and their application in startups were truly commendable.

I am particularly impressed by the efforts of the organizing team led by **Prof. K. Usha Rani**, Head of the Department of Computer Science, and the conveners **Prof. M. Usha Rani** and **Ms. K. Chandana Sree**, whose meticulous planning and coordination ensured the program's success.

I look forward to continued collaboration with SPMVV in fostering awareness of IPR and supporting innovation and entrepreneurial initiatives among its students.



Dr. Kota Neela Mani Kanta
Assistant Professor
Department of Tourism Management
Vikrama Simhapuri University
Nellore

M. Images



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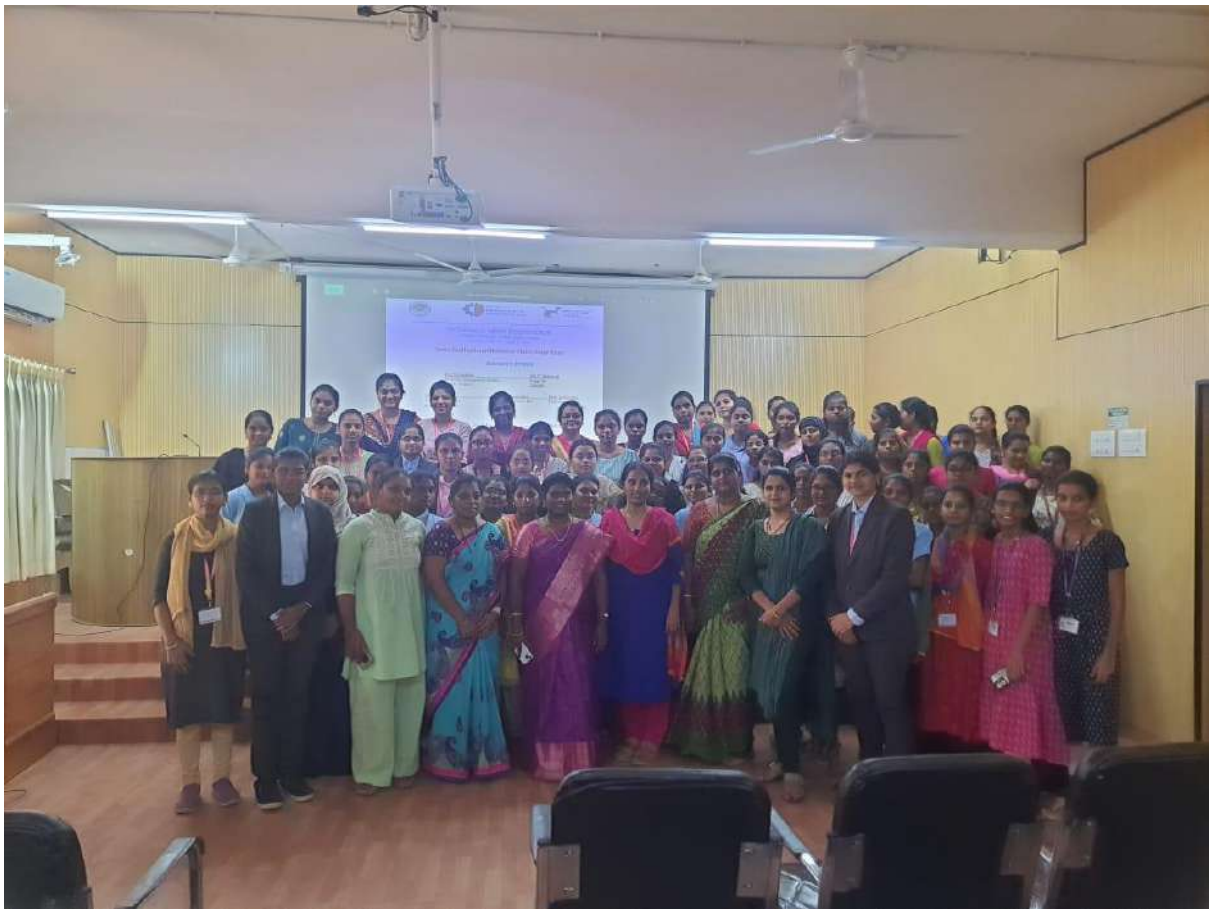
Lat 13.617677° Long 79.397678°
02/04/25 09:16:03 AM


ANI v. OpenAI – 2024, Delhi High Court









SPMVV hosts 'Idea to Icon: Startup growth strategies' seminar



SPMVV V-C Prof V Uma, Registrar Prof N Rajani, Dr Vaddi Satyanarayana, Dr Paladugu Nageswara Rao and others taking part in the seminar in Tirupati on Thursday

PRADEEP VENNELAKANTI
TIRUPATI

SSIIE-Technology Business Incubator (SSIIE-TBI) at Sri Padmavati Mahila Visvavidyalayam (SPMVV), an enabling partner of the GENESIS scheme under MeitY Startup Hub, organised a seminar titled 'Idea to Icon: Startup Growth Strategies' at Saveri Seminar Hall as part of its branding activities.

The seminar brought together industry experts and aspiring entrepreneurs to explore key aspects of startup growth and funding. Dr Vaddi Satyanarayana, Managing Partner & CEO of FinAnomics Capital, Hyderabad, delivered a lecture saying that the necessity of financial literacy, likening economic awareness to household financial management. Encouraging startups to overcome the fear of failure, he urged them instead to fear missing out on opportunities.

Dr Paladugu Nageswara Rao, CEO & Managing Director of Gen Biosciences Pvt Ltd., Hyderabad, shared his expertise on 'Design Thinking for Startup Success.' Drawing from his entrepreneurial journey, he stressed the significance of problem identification, evaluating its magnitude, and creating impactful solutions.

Vice Chancellor Prof V Uma highlighted the need for SSIIE-TBI to focus on deep-tech startups and stressed the role of passion and commitment in entrepreneurship. She also handed over grant agreements to startups selected under the GENESIS scheme, further strengthening the support for emerging ventures. Registrar Prof N Rajani underlined the seminar's impact on fostering entrepreneurial skills and innovation.

CEO of SSIIE-TBI Dr J Surya Kumar, Prof Katyayani, Prof Vidyadhari, Prof Sobha Rani and other faculty members took part.

(c) eenadu

ఈనాడు తిరుపతి జిల్లా వార్తలు

శుక్రవారం సెప్టెంబరు 20, 20



మహిళా వర్సిటీ ప్రధాన ద్వారం

అంకుర కేంద్రం..

- స్టార్టప్‌లను ఆర్థికంగా ప్రోత్సహిస్తున్న మహిళా వర్సిటీ టీటీడీ
- టెనెసిస్ పథకం కింద మంజూరు కానున్న నిధులు

ఆలోచనలకు కార్యరూపం

తిరుపతి(మహిళా వర్సిటీ), న్యూస్‌టుడే: ఆర్థ సాంకేతర రంగాల్లో ఉన్నత విద్య అభ్యసిస్తున్న.. ఉద్యోగాల కోసం ఎదురు చూస్తున్న యువతకు స్వయం ఉపాధి దిశగా బాటలు వేస్తూ.. వారిలోని ప్రతిభను వెలికితీస్తూ పారిశ్రామిక వేత్తలుగా తీర్చిదిద్దటానికి శ్రీపద్మావతి మహిళా వర్సిటీ టెక్నాలజీ బిజినెస్ ఇంక్యుబేషన్ సెంటర్(టీబీఐ) కృషి చేస్తోంది. చదువు పూర్తి చేసిన వారే కాదు.. చదువుతున్న వారూ నూతన ఆలోచనలను కేంద్రానికి తెలిపితే.. నైపుణ్యం కలిగిన సిబ్బంది సహకారంతో ప్రజలకు ఉపయోగపడే పరికరాత్ర ఉత్పత్తులను కేంద్రం బాటలు వేస్తోంది. నేషనల్ సైన్స్ అండ్ టెక్నాలజీ ఎంటర్‌ప్రెన్యూర్‌షిప్ డెవలప్‌మెంట్ బోర్డు(ఎన్‌ఎస్‌టీ బీడీబీ) ఆధ్వర్యంలో ఇది పని చేస్తుండగా.. డీఎస్టీ, స్టార్టప్ ఇండియా ఆర్థిక సాయం అందిస్తున్నాయి.

- ఎన్‌ఎస్‌టీబీడీబీ ఆధ్వర్యంలో దేశ వ్యాప్తంగా 190 అంకుర (ఇంక్యుబేషన్) కేంద్రాలు ఉండగా.. ఇందులో రాష్ట్రంలోని ప్రభుత్వ యూనివర్సిటీల్లో శ్రీ పద్మావతి మహిళా వర్సిటీలో మాత్రమే అంకుర కేంద్రాన్ని నిర్వహిస్తోంది. దేశంలోని అంకుర కేంద్రం లలిగిన ఏకైక మహిళా వర్సిటీగా పద్మావతి మహిళా వర్సిటీ ఖ్యాతి గడించింది.



అంకుర కేంద్రంలో పరిశోధకురాలు

ఇదీ ప్రక్రియ

వర్సిటీలో 2017 నవంబరులో అంకుర కేంద్రం ప్రారంభమైంది. రాష్ట్రంలోనే కాకుండా ఇతర రాష్ట్రాల నుంచి ఆసక్తి ఉన్న వారు తమ ఆలోచనలను, ప్రాజెక్టు పూర్తవడానికి కావాల్సిన నగదును వివరిస్తూ తమ ప్రాజెక్టు ప్రపోజల్స్‌ను వర్సిటీ టీబీఐకి దరఖాస్తు చేసుకోవాలి. దరఖాస్తులను పరిశీలించిన అధికారులు స్క్రీనింగ్ కమిటీ ద్వారా ప్రాజెక్టులను ఎంపిక చేసి ఎంపికైన ఇంకుబేటీలకు అడ్మిషన్ లెటర్ ఇస్తారు. వారి ప్రాజెక్టు పూర్తవడానికి కావాల్సిన నగదును టీఎస్టీ, టీటీడీ, ఎంఎస్ఎంఈ, స్టార్టప్ ఇండియా, సండింగ్ ఏజెన్సీలలో ఏదో ఒక దాని నుంచి నగదును అందజేస్తారు.

ఉత్తమ ఫలితాలు అందిస్తాం

న్యాదిల్లికి చెందిన ఎలక్ట్రానిక్స్, ఐటీమేషన్ టెక్నాలజీ మంత్రిత్వ శాఖ(ఎంఈఐటీవై).. జెన్ నెక్స్ట్ సపోర్ట్ ఫర్ ఇన్నోవేటివ్ స్టార్టప్ (జెన్ సిస్) పథకం కింద నిధులు ఇవ్వడానికి మహిళా వర్సిటీని ఎంపిక చేసింది. 5 ఏళ్ల పాటు టీటీఐలో జరిగే పరిశోధనలకు ఆర్థిక సాయం అందనుంది. స్టార్టప్‌లను గుర్తించి, ఆర్థికంగా ప్రోత్సహించి.. సమాజానికి ఉపయోగపడే ఉత్తమ ఫలితాలను మహిళా వర్సిటీ అందించనుంది.

- వి.ఉమ, ఇన్‌ఛార్జి ఉపకులపతి, మహిళా వర్సిటీ

The police took 3 persons and Bala Gangadhar Reddy. ... ten at the cost of staying away ... swari and Dr. Parameswar ... ues of the medical profession. ... and priests participated.

'FLOW' bus rolls into Tirupati bringing hands-on science to students

- The solar powered mobile lab is packed with state-of-the-art technology divided into 16 interactive zones
- Students can explore their curiosity by doing hands-on experiments with DIY kits
- The mobile lab will tour various schools in the city during in the next 10 days



SPMVV V-C Prof V Uma, Registrar Prof N Rajani and TBI CEO J Surya Kumar going through the equipment in the FLOW bus in Tirupati on Tuesday



FLOW bus at the SPMVV campus

PRADEEP VENNELAKANTI
TIRUPATI

INDIA'S first futuristic mobile science lab – EDOD-WAJA – Futuristic Lab On Wheels (FLOW), has begun its journey in Andhra Pradesh, starting from Tirupati.

Designed to give students hands-on exposure to science and technology, the project is the brainchild of a Hyderabad-based startup, supported by Sri Padmavati Mahila Visvavidyalayam (SPMVV).

The university not only incubated the idea through its Technology Business Incubator (TBI) but also provided Rs.25 lakh in funding.

Now, under the PM-USHA scheme, SPMVV is facilitating the FLOW bus tour across TTD-run and government schools in Tirupati over the next 10 days.

The bus, which can accommodate over 35 students at a time, is more than just a classroom on wheels. It's a solar-powered mobile lab packed with state-of-the-art technology — including robotics, AR/VR setups, drone kits, 3D printing stations, holograms, and a mini planetarium. There are 16 interactive zones where students can explore their curiosity, perform hands-on experiments using 'Do It Yourself' (DIY) kits, and learn directly from trained mentors.

FLOW features three core learning modules: Innovate Yourself, Design Yourself, and Recreate Yourself.

At the heart of the project is Madhulash Babu, a BTech graduate who wanted to change how students connect with science.

He believed that direct, practical experience would spark deeper understanding and long-term interest. After getting seed funding from SPMVV, he secured another Rs.80 lakh from George Mason University in the USA, and with support from his peers, brought FLOW to life.

"We want students to uncover their hidden potential and build on it. FLOW is more than just a lab. It is an ecosystem that gives students a chance to innovate and learn from experts in a hands-on setting," Madhulash explained.

Since it was flagged off by Telangana Chief Minister A Revanth Reddy on June 10, 2024, the bus has already reached 45,000 students across Telangana.

Now, it's beginning a new chapter in Andhra Pradesh, where it will be available to schools on a subscription model offering curated workshops and experiences.

SPMVV Vice Chancellor Prof V Uma, who inaugurated the bus in Tirupati, praised the effort and vision behind FLOW.

"Madhulash and his team are doing commendable work by bringing science to students' doorsteps. The tools and tech they've included speak volumes about their dedication," she maintained.

Students like Ramya and Kalyani, who toured the bus, were amazed. "We have never seen anything like this. It is not just about hearing theories as we were able to see how things actually work. It makes us excited about the future of science," they commented.

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