



भारतीय प्रौद्योगिकी संस्थान तिरुपति

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

एर्पेडु-वेंकटगिरि रोड, एर्पेडु पोस्ट, तिरुपति जिला, आ प्र -517619

Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P- 517619.

**Minutes of the meeting: 8<sup>th</sup> Institute Innovation Council Meeting**

The 8<sup>th</sup> Institute Innovation Council (IIC) meeting of IIT Tirupati was held on 18<sup>th</sup> March 2025 from 4pm-5.30pm in the Board room, Administrative Building, IIT Tirupati. Name of the attending council members is listed below.

Name of the council member	Key role/Assigned position in the council
Prof. K. N. Satyanarayana	President
Prof. Anil Kumar Emadabathuni	Convenor / Vice President
Dr. Sridhar Chimalakonda	Innovation Activity Coordinator
Dr. Shihabudheen M. Maliyekkal	IPR Activity Coordinator
Dr. Prashanth Vooka	Internship Coordinator
Prof. Muthukumar Palanamy	General Member & Innovation Ambassador
Prof. Thamida Sunil Kumar	General Member & Innovation Ambassador
Dr. Ajay Kumar	General Member & Innovation Ambassador
Dr. Debasish Mondal	General Member
Dr. Subba Reddy Daggumati	Preincubation Cell Faculty in Charge
Dr. Degala Venkata Kiran	General Member
Mr. Hemanth Satyanarayana	Startup Entrepreneur
Mr. Rajendra Mootha	Expert from Ecosystem Enablers
Dr. J. Surya Kumar	Expert from nearby Incubation Centre
Mr. Suresh Raju	Startup Entrepreneur
Mr. Abins Aziz	Research Scholar
Dr. Pubali Mandal	Project Manager, CSRC-IIT Tirupati (invited)

Prof. K. N. Satyanarayana, Director of IIT Tirupati and President of IIC welcomed the council members. Prof. E. Anil Kumar, Dean-CSRC, IIT Tirupati, and committee convenor invited Dr. Pubali Mandal, project manager (innovations), CSRC-IIT Tirupati, to present an overview of the recent innovation-related activities of IIC. In her presentation, Dr. Pubali shared 1) the IIC 6.0 report card and star rating, 2) the IIC 7.0 (September 2024-March 2025) progress report, and 3) upcoming activities. This was followed by an engaging discussion with valuable input from the attendees on fostering a vibrant environment to support and motivate I&E ventures further. The events conducted/organized during IIC 7.0 are listed below.

#### Quarter 1 Calendar Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
1.	Rural Startup Pitch Contest	International Startup Foundation, under Ankura Yatra initiative & IIT Tirupati	21 <sup>st</sup> September 2024, Online event	Seven teams presented
2.	Smart NextGen Assess Management-An Industry Perspective	Asset Management Society of India & IIT Tirupati	26 <sup>th</sup> October 2024, Webinar	Speakers: Lt. Gen Dr. Anil Kapoor, Prof. Raghuvir Pai, Manipal Institute of Technology, Mr. Toby Horstead, Technical Executive at WSP
3.	Startup Demo Day & 3 <sup>rd</sup> Party Evaluation Committee's visit from NMICPS-DST	IITTNiF	25 <sup>th</sup> September 2024, Navavishkar TIH	Fourteen startups, translational technologies highlighted. Prof. Anurag Kumar, Former Director of IISc Bangalore, Mr. K. Ananth Krishnan,

				Former CTO of TCS, Mr. Amar Kumar, Scientist, DST - FFT, Prof. K. Satyanarayana, Director of IIT Tirupati, Dr. Roshan Srivastava was present
4.	5th National Workshop on Technology Innovation in Cyber-Physical Systems (TIPS 5.0)	DST	11 <sup>th</sup> & 12 <sup>th</sup> November 2024, IISc Bangalore	Display of Anti-Jamming and Spoofing Antenna System for GNSS, seven people team from IITTNiF
5.	Launch of Operation Dronagiri: national pilot project under the National Geospatial Policy 2022	IITTNiF, Survey of India	13 <sup>th</sup> November 2024, IIT Delhi	Professor Abhay Karandikar, DST Secretary, Prof. K. Satyanarayana, Director of IIT Tirupati, Dr. Roshan Srivastav, PD, were present

#### Quarter 2 Calendar Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
1.	DeepTech/GovTech Conclave 2024	Global Forum for Sustainable Transformation & Govt. of AP	5 <sup>th</sup> & 6 <sup>th</sup> December 2024, Visakhapatnam	Prof. K.N. Satyanarayana, Prof. Arun K. Tangirala & six students, E-cell

				members participated
2.	Grand Finale of Smart India Hackathon Software Version 2024	AICTE, MoE's Innovation Council, IIT Tirupati	11 <sup>th</sup> & 12 <sup>th</sup> December 2024, IIT Tirupati	Twenty-three teams (138 young innovators), worked on four problem statements, fourteen jury members
3.	Innovation & Entrepreneurship Conclave	CII Andhra Pradesh	20 <sup>th</sup> December 2024, Tirupati	Prof. K.N. Satyanarayana, Prof. E. Anil Kumar, four faculties & two CSRC staffs participated
4.	Interactive session with Dr. Chandrika Kaushik, Director General (Product Coordination & Services Interaction), DRDO	IIT Tirupati	8 <sup>th</sup> January 2025, IIT Tirupati	Fifteen faculty members from different dept. joined. Followed by lab and facility visit
5.	PIWOT 2025	PAN IIT Alumni Foundation	17 <sup>th</sup> -19 <sup>th</sup> January 2025, Mumbai	Prof. K.N. Satyanarayana, four faculty members & four students joined
6.	PIWOT Satellite Conference	Office of Intl.& Alumni Affairs- IIT Tirupati & PAN IIT Alumni Foundation	23 <sup>rd</sup> January 2025, IIT Tirupati	Dr. Murali Krishna, President, CII- Andhra Pradesh, Ratan Agarwal, and Yadav Murti Sankaran, WHEELS Foundation. >100 attendees, MoU with

				WHEELS Foundation, R&D showcase
7.	ANVESHAN 2024-25: South Zone Student Research Convention	Association of Indian Universities	20 <sup>th</sup> & 21 <sup>st</sup> February 2025, M. S. Ramaiah Univ. of Applied Sciences, Bengaluru	~130 projects from all South India. Ms. Vajitha, Ms. Naga Jyothi, Ms. Revathy Sunil and Mr. Rahul presented three projects from IIT Tirupati. Secured top positions in respective categories
8.	IInvenTiv 2025, MoE's annual R&D Fair	IIT Madras	28 <sup>th</sup> February & 1 <sup>st</sup> March 2025, IIT Madras	Six exhibits represented IIT Tirupati's I&E. Six PIs, thirteen research scholars, Prof. K.N. Satyanarayana, Prof. Anil Kumar E. attended
9.	One day Joint Workshop on System Design and Architecture and System Level Electrical Test (SDA and SLET)	Indian Design, Semiconductor, Packaging, and Systems Research Team & IIT Tirupati	28 <sup>th</sup> February, IIT Tirupati	Prof. Rao R. Tummala, Advisor to ISM India; Navin Bishnoi, Country Head (Marvell India) & AVP Central Engineering; Dr. Srinivas Padmanabhuni, CoFounder, and

				CTO of AIEnsured; & others. Turnout >70
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### Quarter 3 Calendar Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
1.	A Talk on "Analog circuits in communication systems and design of PLLs" and Analog Hardware Design Contest	Texas Instruments, Bengaluru, Dept. of Electrical Eng., IIT Tirupati	7 <sup>th</sup> and 8 <sup>th</sup> March 2025, IIT Tirupati	Speaker: Mr. Ashwin R, 52 participants. Total 40 students in 20 groups appeared for the contest.
2.	ANNVESHAN International Student Research Convention	Association of Indian Universities	10 <sup>th</sup> & 11 <sup>th</sup> March 2025, Chitkara University, Punjab	Seventy-two projects highlighted, more than 250 participants. Ms. Vajitha, Ms. Naga Jyothi, Ms. Revathy Sunil and Mr. Rahul (3 projects) presented their innovations and entrepreneurship proposals. Ms. Vajitha won in Health Science category
3.	"Taking Innovation from Lab to Reality" special talk By Prof. S. Pushpavanam	IIT Tirupati	12 <sup>th</sup> March 2025	Prof. S. Pushpavanam, YBG Varma Chair Professor, Department of Chemical Engineering, IIT

				Madras, more than 50 attendees
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#### Quarter 1 Self-driven Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
1.	Students from JNV schools visited the IIT Tirupati campus	(NSS, IIT Tirupati)	4 <sup>th</sup> October 2024, IIT Tirupati	~90 students visited labs and workspace, they interacted with the students and faculty
2.	Basic Science Experiment Demonstration	NSS, IIT Tirupati & EPICS MSL	26 <sup>th</sup> October 2024, Zilla Parishad School, Penguru, AP	Basic science experiments were demonstrated for students of classes 6, 7, 8, 9 by thirty volunteers
3.	Workshop on Public Policies in Practice	Centre for Research in Schemes and Policies (CRISP), Hyderabad, Dept. of HSS- IIT Tirupati	7 <sup>th</sup> - 9 <sup>th</sup> November 2024, IIT Tirupati	~45 participants
4.	Neetibodh presents Distinguished Lecture	NHRC, India & NSS IIT Tirupati	18 <sup>th</sup> November 2024, IIT Tirupati	~40 participants  Speakers: Mr. Ajay Bhatnagar, Smt. Vijaya Bharathi Sayani

#### Quarter 2 Self-driven Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
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1.	Winter workshop: NCM Workshop on Ergodic Theory and Fractals	National Centre for Mathematics & Dept. of Mathematics & Statistics, IIT Tirupati	9 <sup>th</sup> – 21 <sup>st</sup> December 2024, IIT Tirupati	Six speakers, thirty-two participants
2.	First in person meeting of the Statistical Mechanics in Chemistry and Biology (SMCB) forum	Dept. of Chemistry, IIT Tirupati	17 <sup>th</sup> -19 <sup>th</sup> December 2024, IIT Tirupati	~50 participants
3.	Global Initiative of Academic Networks (GIAN) course on High-Speed Flow Theory & Measurements in Jet Engines	Dept. of Mechanical Eng., IIT Tirupati	6 <sup>th</sup> to 10 <sup>th</sup> January 2025, IIT Tirupati	Instructor: Prof. Lionel Christopher Ganippa, Brunel University, London. 26 participants including students, faculties, and technical staffs from other institutes
4.	Connecting the Dots: Communicating Scientific Research Through the Media	Dept. of HSS, IIT Tirupati, Mongabay India	7 <sup>th</sup> & 8 <sup>th</sup> February 2025, IIT Tirupati and online	~55 participants took part
5.	TEDx IIT Tirupati	E-cell, IIT Tirupati	16 <sup>th</sup> February 2025, IIT Tirupati	5 speakers, ~120 participants joined

6.	Conference on Socio-Economic Determinants and Inequalities in Access to Water	Dept. of HSS, IIT Tirupati, Indian Council for Social Science Research	24 <sup>th</sup> February 2025, IIT Tirupati	Prof. Shareen Joshi (Georgetown University, USA), Prof. Binitha V Thampi (IIT Madras) and Dr. Farhat Naaz (IIT Jodhpur), ~55 participated
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### Quarter 3 Self-driven Activities

Sl. No.	Name of Event	Organizer(s)	Date & Venue	Details
1.	Two-day workshop on Public Finance and Budgeting in India: Theories and Practices	Dept. of HSS, IIT Tirupati	1 <sup>st</sup> & 2 <sup>nd</sup> March 2025, IIT Tirupati	Prof. Prasant Kumar Panda, Economic Advisor to 16th Finance Commission, Dr. Nilachala Acharya, Senior Consultant, 16th Finance Commission. ~30 students participated
2.	Indo -German Symposium on Advances in Additive Manufacturing	Dept. of Mechanical Eng., IIT Tirupati, IGSTC	3 <sup>rd</sup> & 4 <sup>th</sup> March 2025, IIT Tirupati	>55 participants
3.	Conference on Application of 3D printing in Biomedical Sciences	IIT Tirupati, Apollo Univ. Apollo Inst. of Medical Sc. & Research, Chittoor	5 <sup>th</sup> March 2025, IIT Tirupati	Dr. Mamilla Ravi Shankar highlighted the 3D printing technological innovations

4.	National Conference on "Fire Resistance Glazing, Building Design, Standards & Testing"	BIS, IIT Tirupati, Glazing Society of India	10 <sup>th</sup> March 2025, IIT Tirupati	Mr. Gohul Deepak G N, ED, GSI; Mr. Gopal Ganatra, Chair, GSI; Mr. Ajay Kumar Lal. HOD, Chem. Sci., BIS; Prof. Anil Kumar Emadabathuni, Dean CSRC, ~100 participants from industry and academia. MoU signed between IIT Tirupati and GSI
5.	Interactive Academic Writing Session with IEEE	Central Library, IEEE India Operations Centre, Bengaluru	12 <sup>th</sup> March 2025, IIT Tirupati	Dr. Dhanukumar Pattanashetti and Mr. Manjunath Rudrappa, IEEE, Prof. Gorthi, DOAA, Prof. Sunil Kumar
6.	Commemorating International Pi Day	Dept. of Mathematics & Statistics, IIT Tirupati	13 <sup>th</sup> March 2025, IIT Tirupati	Prof. Anirban Mukhopadhyay, IMSc Chennai; Prof. D. S. Nagaraj, IISER Tirupati; Prof. N. Balakrishna, IIT Tirupati; presentation by institute scholars

7.	One day Workshop on Software Defined Radio using MATLAB	Dept. of Electrical Eng., IIT Tirupati	15 <sup>th</sup> March 2025, IIT Tirupati	Ayush Chandra, MATLAB Engineer, DigiToad Technologies Pvt. Ltd. Bengaluru. ~30 participants including BTech, MTech, and PhD
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#### MIC Driven Activities

Quarter	Name of Event	Date & Venue	Venue	Details
2	Session on Understanding IIC 6.0 Performance Card	27 <sup>th</sup> January 2025	Online	Mr. Dipan Sahu, National Coordinator, MIC
3	Innovation and Entrepreneurship Initiatives Address	10 <sup>th</sup> March 2025	Online	Prof. T.G. Sitharam, Chair, AICTE, Ministry of Education & Dr. Abhay Jere, Vice Chairperson, AICTE & Chief Innovation Officer (CIO), Ministry of Education, Govt. of India.

### IIC Celebration Activities

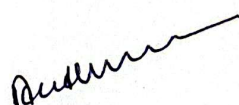
Quarter	Name of Event	Date & Venue	Venue	Details
2	National Science Day celebration	28 <sup>th</sup> February 2025	IIT Tirupati	~260 students from schools in and around Tirupati participated. Distinguished speakers - Prof. A. Datta (IIT Bombay) and Prof. V. Khairi (IIT Tirupati). Interactive demonstration of science experiments. Campus tour
3	International Women's Day celebration	8 <sup>th</sup> & 9 <sup>th</sup> March 2025	IIT Tirupati	Invited talk by Air Marshal Mrs. Padma Bandopadhyay. Session on self-defence techniques. Cultural programs. Food and handicraft stalls by women of the campus. Treasure hunt and other fun activities

- Prof. Satyanarayana suggested increasing students' involvement in upcoming council activities. He proposed organizing a separate meeting with the student Tech-clubs/Science clubs/E-cell to discuss enhancing students' participation in I&E activities.
- Prof. Satyanarayana shared the progress on the Research Park construction and Makers Lab supported by KIA Motors Pvt. Ltd. Prof. Anil Kumar and Dr. Shihabudheen M. Maliyekkal discussed the overall incubation infrastructure and future expansion aspects. They also

emphasized the importance of bringing various clubs and entities at IIT under one umbrella and the need for a coordinated effort to create the right ecosystem for promoting I&E activities on campus.

- Dr. J. Surya Kumar, CEO of SSIIE-TBI under P. S. Mahila Visvavidyalayam, Tirupati, briefly described his institute's strategy for encouraging more students and faculty members in innovation. He emphasizes on identifying a pool of students interested in I&E activities and giving them the right amount of exposure and access to various programs conducted under IIC.
- Dr. Subbareddy Daggumati, faculty in charge of preincubation activities in the institute, mentioned that around 8 student-led projects are currently being funded, among which ~4 is in the prototype designing stage, and 2 patents have been filed. He emphasized the need for more participation in preincubation project activities.
- Dr. Prashanth Vooka, Internship Coordinator, described the ongoing and upcoming internship opportunities. Dr. Chimalakonda, Innovation Activity Coordinator, suggested increasing engagement between students and IIT Tirupati alumnus currently associated with startups as well as incubation centres. Appreciating this idea, Mr. Suresh Raju, founder and director of Golden Hills Capital, added that interaction with successful entrepreneurs or collaborating with them as interns can highly motivate students. He further hinted at creating a platform for regular interaction between both parties.
- All members voiced their opinions and suggested leveraging various schemes, available infrastructure, and collaboration opportunities. Mr. Hemanth, CEO and founder of Imagine XR, proposed creating a system/platform to map all innovation-related activities happening in the institute with the help of the participants from Smart India Hackathon 2024. He emphasized promoting IIT Tirupati's ongoing incubation activities to attract more students, faculty, and industry representatives. He also offered to evaluate the preincubation proposal and help the preincubation project proposal evaluation committee.
- The council members agreed to follow up on the suggestions.

The meeting ended with a vote of thanks by the President.



Dr. Shihabudheen M. Maliyekkal  
IPR Activity Coordinator – IIC  
Associate Professor, Dept. of Civil & Environmental Eng.-IIT Tirupati



Prof. E. Anil Kumar  
Vice president/Convenor – IIC  
Dean CSRC-IIT Tirupati



Prof. K. N. Satyanarayana  
President – IIC  
Director-IIT Tirupati