

Annual Report 2023-24



National Institute of Technology Andhra Pradesh

A. About IIC Institute

- Vision / Mission of IIC established at the Institute
To strengthen Institute Innovation-entrepreneurship eco-system
- Journey of IIC established at the Institute
Established year 2018-19
- Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units
The student and faculty of IIC members are from different departments and external members are from different organizations.
- 5 members completed the innovation ambassador course.

B. Brief mention of key functionaries at the IIC Institute

- **Dr. G. Ravi Kiran Sastry- Patron &Convenor**
Immediate point of contact and coordination. (Preferably Incubation in charge of institute or Faculty with Entrepreneurship Experience or interest)
- **Dr. V. Sudarshana Deepa-President and Dr. P. Sankar -Vice President**
Performed the role as Head of Council. Initiate, identify and form the council and assign the role and responsibility to members Vice President
- **Dr. Sri Phani Krishna Karri-Innovation activity coordinator (Faculty)** – Primary responsible for organizing and coordinating after Innovation promotion activities and extend support to other activities.
- **Dr. V. Sudarshana Deepa -Start-up activity coordinator (Faculty)** - Primary responsible for organising and coordinating after Start-up promotion activities and extend support to other activities.
- **Dr. Yuvaraj-Internship coordinator (Faculty)** – Primary responsible for organizing and coordinating after Internship opportunity and engage student in Start-ups, innovation labs and incubation centre etc. to promote innovation activities and extend support to other activities.
- **Dr. Sankar-IPR activity coordinator (Faculty)** - Primary responsible for organizing and coordinating after IPR mentoring, awareness opportunity to promote innovation activities and extend support to other activities.
- **Dr. Sandeep-Social Media Coordinator (Faculty)** - Primary responsible for organizing and coordinating after social media promotion and public relation and effectively communicating regarding various activities undertaken to promote innovation activities and extend support to other activities.
- **Dr. Arun Kumar-NIRF coordinator (Faculty)** - Primary responsible for creating repository and advising on more innovation and Research activities in campus to increase the ranking in NIRF and also extend support to other activities.

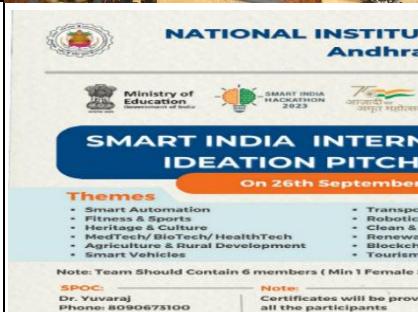
C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

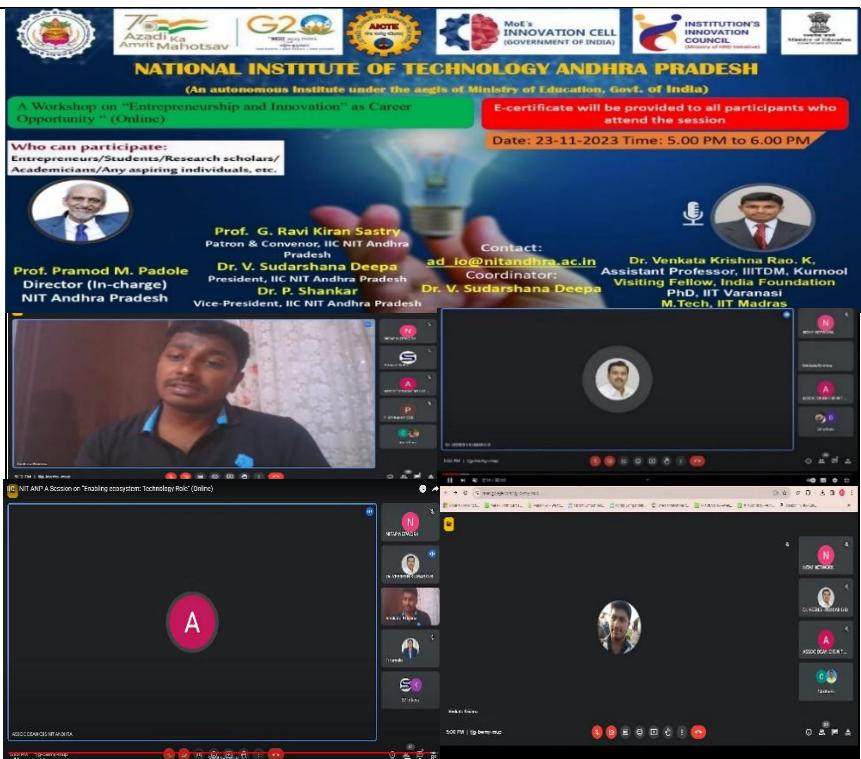
- Total No. of IIC Members: 14

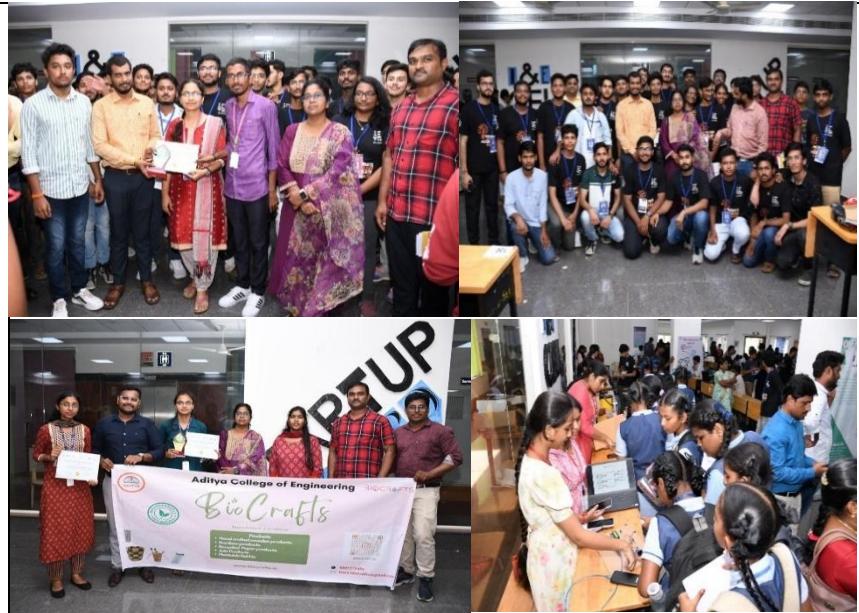
- Total No. of IAs: 05
- Total No. of faculty Mentors - 05
- Pre-Incubation Units, If Any-Not Available
- Incubation Units: Incubation cell was established by NIT Andhra Pradesh in August 2023 providing administrative and prototype working table facilities for students.
- IP Facilitation Unit, If any -Not Available

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

1.	Incubation cell was established in the institute (National Institute of Technology of Andhra Pradesh on 03-01-2023. Office space with systems office basic infrastructure facility (Desktop, Executive Chair, Table) was procured by the institute for the students to work for their start-up 24 X 7.	
2.	I& E cell conducted Webinar Being aware –About the CAREER INSIGHTS WEBINAR Date: 3 MARCH, 2024 Time: 3.00 to 4.00 (PM)	
3.	National Entrepreneurship Day NIT Andhra Pradesh, Tadepalligudem (Offline)	
4.	National Education Day NIT Andhra Pradesh, Tadepalligudem (Offline)	

				
5.	<p>Organize an Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas</p>	<p>Dr. V Sudarshana Deepa Dr Yuvaraj Date of Event: 26-09-2023</p>		 
6.	<p>Exposure and field visit for problem identification</p>	<p>Dr. P Sankar Dr. Sri Phani Krishna Karri Date of Event: 18-11-2023</p>		   

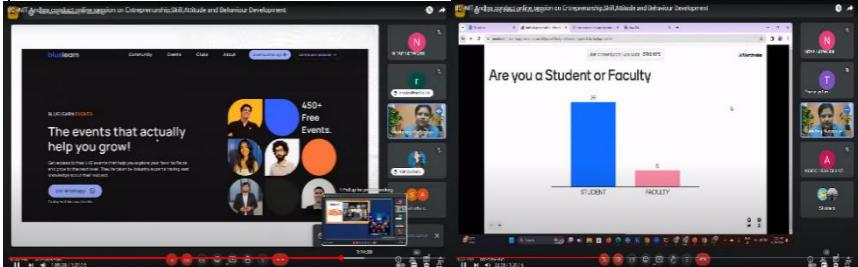
<p>7. Workshop on “Entrepreneurship and Innovation” as Career Opportunity</p>	<p>Dr. V Sudarshana Deepa Date of Event: 23-11-2023</p> 
<p>8. Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support.</p>	<p>Dr. V Sudarshana Deepa Date of Event: 21-12-2023</p> 



“The reach of Startup Expo 2.0 was incredible with receiving articles published praising the one of a kind event “



9.	<p>Workshop on Entrepreneurship Skill, Attitude and Behavior Development</p>	<p>Dr. V. Sudarshana Deepa-Coordinator</p> <p>Date of Event: 30-01-2024</p>	      <p>NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH (An autonomous Institute under the aegis of Ministry of Education, Govt. of India)</p> <p>A Workshop on "Entrepreneurship Skill, Attitude and Behavior Development" (Online)</p> <p>Who can participate: Entrepreneurs/Students/Research scholars/Academicians/Any aspiring individuals, etc.</p> <p>Registration: Free Registration Link: https://forms.gle/BWVhz3BWJueXAG6N8 Google meet: meet.google.com/0ff-kex-xf</p> <p>Date: 30-01-2024 Time: 5.00 PM to 6.30 PM</p> <p>Prof. G. Ravi Kiran Sastry Patron & Convener, IIC NIT Andhra Pradesh</p> <p>Prof. Pramod M. Padole Director (In-charge) NIT Andhra Pradesh</p> <p>Dr. V. Sudarshana Deepa President, IIC NIT Andhra Pradesh Dr. P. Shankar Vice-President, IIC NIT Andhra Pradesh</p> <p>Contact: ad_io@nitandhra.ac.in</p> <p>S. Krishna Soujanya Founder and Managing Director Business Consulting and Training</p> <p>Her/She is an enterprising individual. Her/She is interested in exploring opportunities and new opportunities, able to adjust herself/herself to changing conditions, can take risks and is willing to take risks to change. Her/She is interested in advancing technologically and in improving the quality of their products or services.</p>  
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10.	<p>Workshop on “Challenges & Innovation in Antennas for Wireless Connectivity”</p> <p>Dr. S Yuvaraj Dr. Shaik Mahabu Subhani Date of Event: 05-02-2024</p>	
11.	<p>Session/ Workshop on Business Model Canvas (BMC)</p> <p>Dr. GRK Sastry Date of Event: 22-02-2024</p>	



వీశానకి మూనప వనరుట కీలక అన్ని
రిసాడం లభ్యాల విభజనం 02

12.	<p>Mentoring Event: Demo Day/Exhibition/Pos ter Presentation of Business Plans & linkage with Innovation Ambassadors/Expe rts for Mentorship Support</p>	<p>Dr V Sudarshana Deepa Dr. Phani Krishna Karri Date : 13-03-2024 to 14-03-2024</p>	      	<p>ABOUT IDEATHON</p> <p>IDEATHON 2024, NIT Andhra Pradesh is conducted by Innovation and Entrepreneurship Cell in collaboration with Institute Innovation Council. It is an event where participants work to solve daily life challenges. Participants work individually to develop innovative proposals. IDEATHON covers diverse topics like technology, social issues, and sustainability. Ideas are presented to panel of judges for evaluation and feedback.</p>
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13.	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community	Dr . Sandeep Dr. Sankar Date of Event: 08-07-204 to 09-07-2024
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NIT Andhra Pradesh Location:
NIT is located at a distance of 3.9 km from Tadepalligudem (TDD) Railway station
NIT is located at a distance of 1.3 km from Tadepalligudem (TDD) Bus station

Google Maps Location: <https://maps.app.goo.gl/99uQv9gG4NT9Ap18>



Main gas



Please show your ID at gate and accommodate in Hostel as below:

Hostel Accommodation:

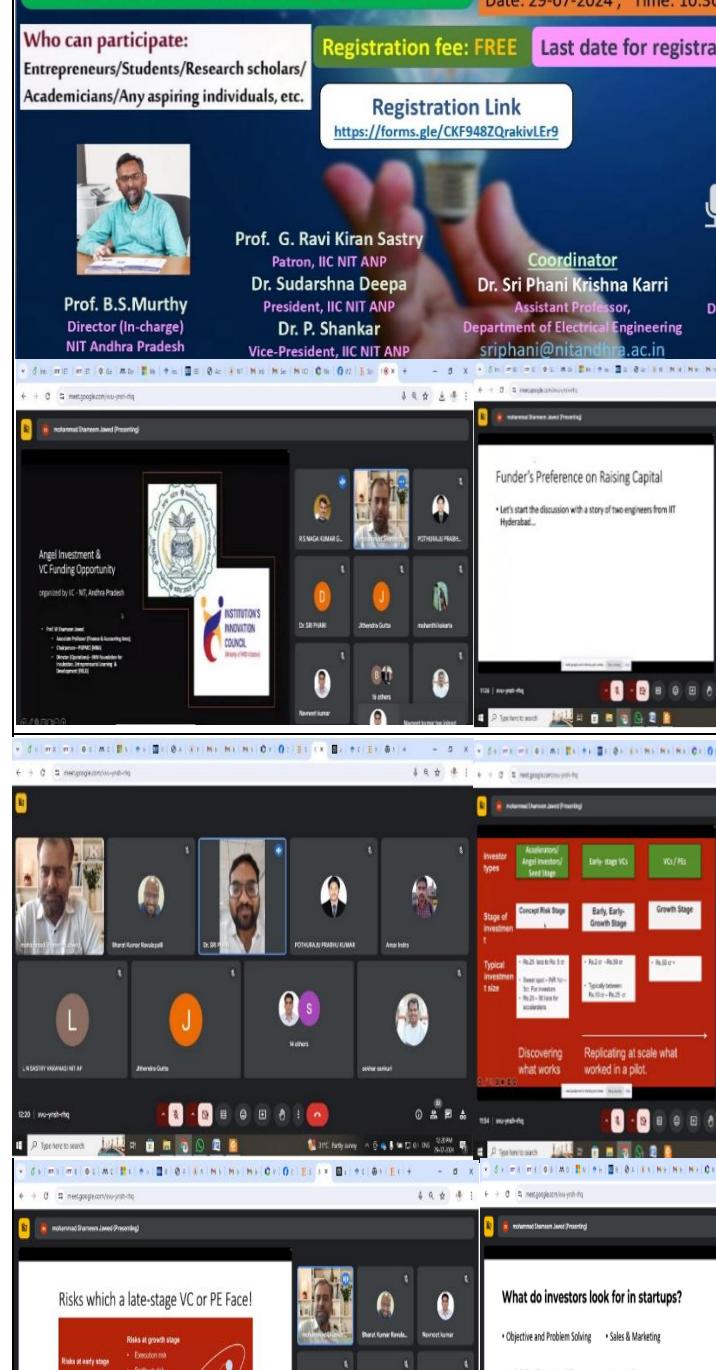
Contact details: Mr. Rambabu- 6303153127, Mr. Narendrababu-9030381032



వైజ్ఞానిక స్ట్రోమాతోనే దేశాభివృద్ధి సాధ్యం

అద్భుతమైన ఆవిష్కరణలకు పాల్చం నుంచే

- అంచ్చిపురుషు పురుషు వేషాలక్షణాలు - లీటీ వీట్ క్రిష్ణార్థ డాక్టర్ దివేశ్ శంకర్ గాది

14.	<p>Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs</p>	<p>Dr. Sri Phani Krishna</p> <p>Date of Event : 29-07-2024</p>	
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8.	Inspire Awards- All India Council of Technical Education (AICTE) at the national level under the joint auspices of the Ministry of Education an awareness program was organized for students on this program on Friday 08-07-2024 to 09-07-2024 at NIT Andhra Pradesh more than 30 teams per event their Names "The finals are held by the winners.
9.	Ideathon-2024 held in our institute in two days session on date: (13-03-2024 to 14-03-2024) Day -1, 14 students and Day-2, 26 Students have participated from our institute in Ideathon-2024. Winners have got the prizes.

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

- Number and Different types of I&E and IPR activities Conducted-05
- No. of student's & faculty ideas generated-02
- No. of student's & faculty Innovation/prototypes developed-02
- No. of IPs generated, published and granted-03 patents filed-01
- No. of Student & Faculty Start-ups/Ventures established-01
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus-Rs. 2,70,901/-
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR - Seed grant an average 5.0 L per faculty is sanctioned to support faculty research.
- No. of Technology Transfer and Commercialisation Happened-Nil

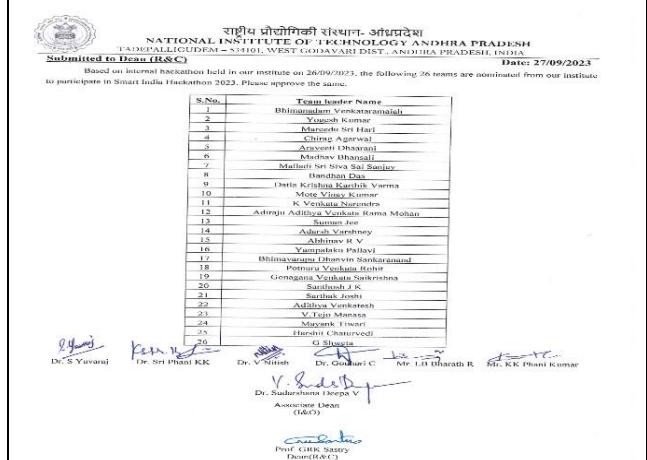
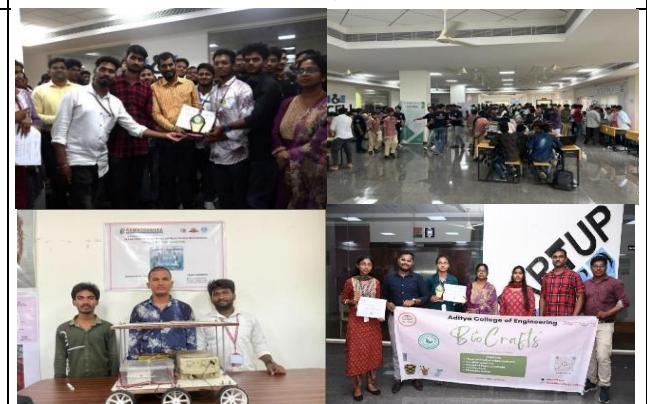
F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

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

S. No	Name of the Student	Activity	Images
01	Ignite Students	Education Day on November 9 th , to host an "Autonomous Drone Workshop" this workshop is designed to ignite students' passion for STEM fields and 21 st Century skills through learning working of autonomous drones. To make this educational initiative a success.	 A collage of five images showing the Autonomous Drone Workshop. It includes a close-up of a drone's landing gear, a person operating a drone controller, a group of students in a classroom setting, a student working on a drone's internal components, and a student presenting a drone to a group of people.

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

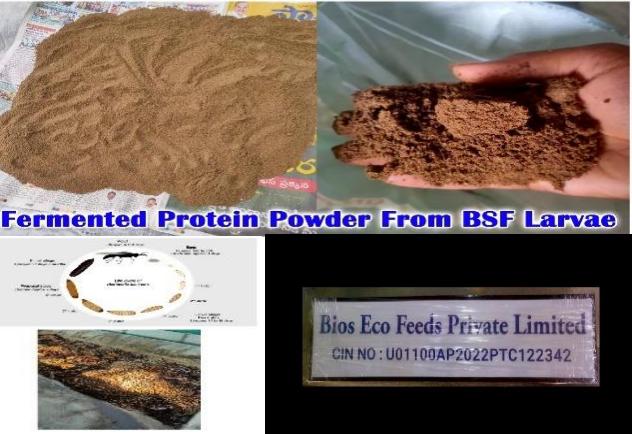
S. No	Name	Invention	Images
1.	National Entrepreneurship Day, NIT Andhra Pradesh, Tadepalligudem (Offline) 1. 1 st Prize Masthanaiah -EEE PhD 2. 2 nd Prize Shashawnk-CSE	HoD's of all Departments Date of Event: 15-09-2023	 A collage of four images showing the National Entrepreneurship Day event. It includes a group photo of participants, a woman giving a presentation, a display board, and a group of people in a workshop setting.

			
	<p>2. Organize an Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas Based on Internal Hackathon held in our institute on Dt: 26/09/2023. 26 teams nominated from our Institute to participate in Smart India Hackathon - 2023 Winners got the Prizes.</p>	<p>Dr. V. Sudarshana Deepa Dr. S Yuvaraj Date of Event: 26-09-2023</p>	 
	<p>3. Startup Expo 2.0 surpassed the expectations with a foot fall of 4000 where 75 teams from 17 engineering colleges showcased their projects. Date of Event :04-11-2023 The event featured 75 startups from 17 different colleges encompassing various industries such as healthcare, education, technology, and finance. The startups displayed their products, services, and ideas through interactive booths and presentations</p>	<p>Dr. V Sudarshana Deepa Date of Event: 21-12-2023</p>	 

			The reach of Startup Expo 2.0 was incredible with receiving articles published praising the one of a kind event “
4.	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentor ship Support	Dr.Sri Phani Krishna Karri Date of Event : 13-03-2024 14-03-2024	 <p>The collage of images captures various moments from the Startup Expo 2.0. It shows a speaker at a podium, an audience in a hall, a presentation slide, a person speaking, a group of people, and a banner with text in Telugu.</p>

H. Highlight selected start-ups established

I. by students/faculties with mention of founder/cofounder name

S. No	Name of the Start-up	Founder Name	Images
01	Bios eco feeds Pvt Lt d	Bhimanandam Venkatar amaih	 <p>The collage of images for Bios eco feeds Pvt Lt d. It includes a large pile of brown powder, a hand holding a piece of the powder, a diagram of a life cycle, and a company sign.</p>

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

- Startup Expo 2.0 surpassed the expectations with a foot fall of 4000 where 75 teams from 17 engineering colleges showcased their projects, The Startup Expo 2.0 also provided an opportunity for networking and collaboration among startups and students. The event had 200+ students from other colleges who participated in this Event and have showcased their prototypes and validated their startup idea.
- Ideathon-2024 held in our institute in two days session on date: (13-03-2024 to 14-03-2024) Day -1, 14 students and Day-2, 26 Students have participated from our institute in Ideathon-2024. Winners have got the prizes.
- Education Day on November 9th, to host an “Autonomous Drone Workshop” this workshop is designed to ignite students’ passion for STEM fields and 21st Century skills through learning working of autonomous drones. To make this educational initiative a success.

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

- ARIIA – participation and Rank -Nil
- NISP Adoption status – Adoption statue: The NISP policy of the institute has been approved in August 2023, separate incubation cell has been established.

L. Detail of social media & Connections of IIC institute

Facebook- <https://www.facebook.com/nitandhrapradesh2015>

Twitter- <https://twitter.com/NITANDHRA2015>

Instagram- <https://www.instagram.com/nit.andhrapradesh>

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

External Members:

1. **Dr.Ravi Kumar Dumpala, Associate Professor, ME,VNIT Nagpur-** Students should be allowed to have their own startups apart from regular curriculum.
2. **Dr. G. N Kumar, Associate Professor, MED NIT Surathkal**
3. **Dr. Biajy Kumar Sahoo, National Research Development Centre, Visakhapatnam-** Large number of faculty and students are benefitted by IICs activity calendar with the inclusion of Innovation Contest. –Dean (Research& Consultancy)
4. **Mr. Muthyala Sarath, National Institute of Micro, Small and Medium Enterprises** - True innovation is coming up with a product that customer didn't even know that the need I hope NIT Andhra Pradesh will think in that direction
5. **Smt. Ch. Lavanya Andhra Pradesh Innovation Society** - NIT–Andhra Pradesh in future will bring together successful business leaders, accredited investors, global entrepreneurs and students who are we believe will be future leaders.
6. **Dr. HN Das, NSTL Scientist, DRDO** - I am happy that NIT Andhra Pradesh has already started implementing NEP in its curriculum
7. **Dr AVS Siva Prasad, Asst. Professor, IITDM, Kancheepuram**
8. **Dr. Venkata Krishna, Asst. Professor, CSE, IITDM, Kurnool**
9. **Dr. Mrinal Bhowmik, Durham University, UK**

N. Images:

I & E Cell Activities:

SENSORY FUSION

Date : 4 NOVEMBER , 2023

In this event, participants are provided with Arduino boards, which are small, programmable microcontrollers capable of controlling various electronic components. Additionally, they are given access to a variety of sensors (such as temperature sensors, motion sensors, light sensors, etc.) and actuators (such as motors, servos, LEDs, etc.). These components enable participants to create a wide range of interactive projects. The hands-on nature of the event implies that participants are actively involved in building and programming their projects. They have the opportunity to experiment with different combinations of sensors and actuators, learn how to write code to control them using Arduino's programming language (based on C/C++), and troubleshoot any technical challenges they encounter along the way.

Participants actively engaged in combining them in symphony to build new working models and winners were given exciting prizes



ARCADE

Date : February 2 - 3 , 2024

A fun event as a part of cultural fest Vulcanzy 2024 . An event featuring bunch of interactiveand fun games that reminds every hardworking innovator and entrepreneur to take a breakand relax once in a while. The fun activities included domino's , lock puzzles , RC car soccer ,picture scramble ,Jenga and a lot more fun activities that would put your brain to critical thinking and analyzing to boost its functioning .



ADVANCED MARKETING WEBINAR ON TEXT MINING

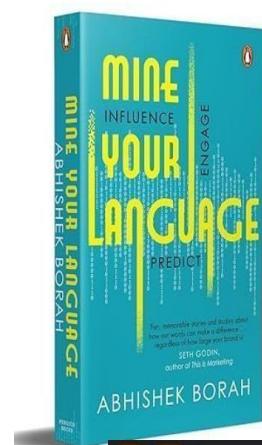
Date : 15 March , 2024

The "Advanced Marketing Webinar on Text Mining" by I&E Cell NIT Andhra Pradesh featuredDr. Abhishek Borah, an ISB Hyderabad graduate, former McKinsey Analyst, and current INSEAD Business School Professor. With over 8.5k LinkedIn followers and authorship of "Mine Your Language," Dr. Borah's expertise was evident.

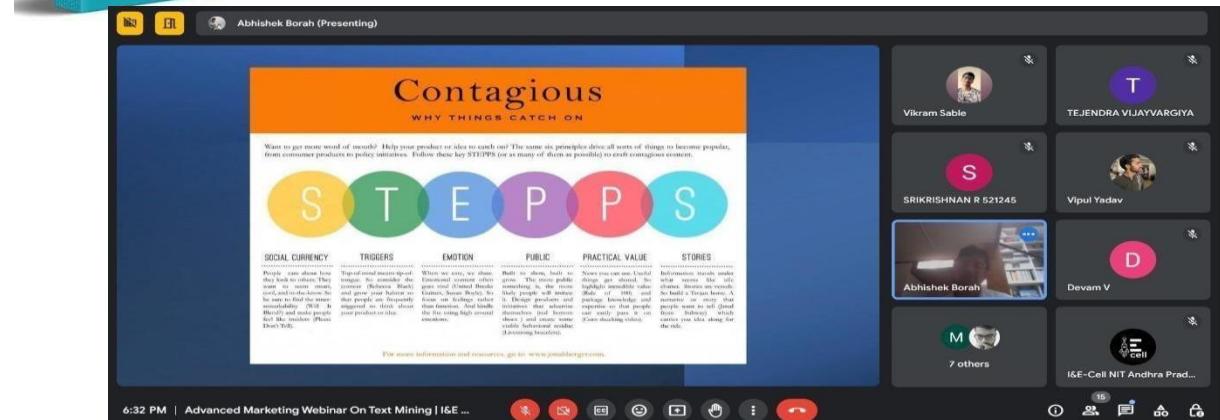
Attendees learned about text mining's applications in marketing, including sentiment analysis and natural language processing. Dr. Borah's dynamic presentation style, coupledwith real-world case studies, made complex concepts accessible. Interactive Q&A sessionsallowed for deeper exploration.

The webinar equipped participants with practical insights into leveraging text mining for marketing strategies.

It underscored the importance of staying updated in the evolving marketing landscape. This collaboration between I&E Cell NIT Andhra Pradesh and Dr. Borah showcased a commitment to empowering professionals with cutting-edge knowledge.



“MINE YOUR LANGUAGE”
A Book by Abhishek Borah
A giveaway was held for the book among the organizers thanks to the author



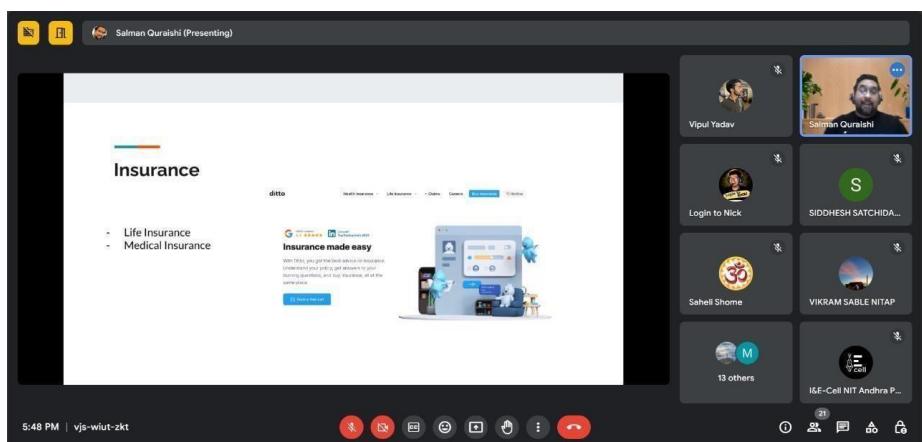
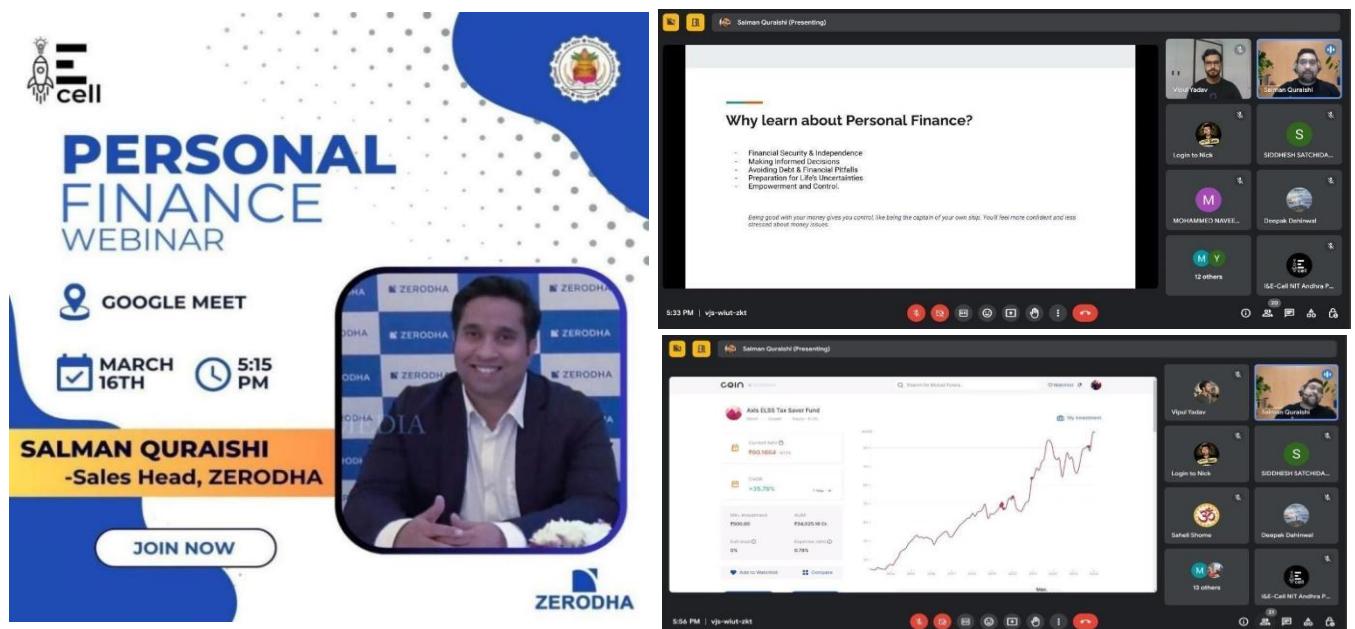
PERSONAL FINANCE WEBINAR (In collaboration with Zerodha)

Date : 16 March , 2024

The "PERSONAL FINANCE WEBINAR" organized by the I&E Cell NIT Andhra Pradesh in collaboration with ZERODHA, one of the top finance companies, was an exceptional opportunity for participants to delve into the intricacies of financial management. Hosted online, this exclusive webinar featured Salman Quraishi, the Sales Head at ZERODHA, as the keynote speaker. Salman Quraishi, a seasoned expert in the field, commenced the session with a warm welcome, setting the tone for an engaging and informative discussion.

Salman Quraishi's expertise shone as he effortlessly explained complex financial concepts, ensuring accessibility for all attendees. Topics ranged from basic money management to advanced investment strategies. Through real-life examples, he highlighted the importance of budgeting, saving, and wise investing, empowering participants to make informed decisions.

The collaboration between the I&E Cell NIT Andhra Pradesh and ZERODHA proved to be a resounding success, exemplifying the power of partnerships in driving education and empowerment in the realm of personal finance. As participants logged off, they carried with them not just information, but inspiration to take charge of their financial destinies.



Regional Meet

Date: 06-01-2024

Portal Guidelines for Nomination for IIC Regional Meet 2023-24



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH
Institution's Innovation Council - 2024
IIC REGIONAL MEET – 2024

Vision:
To foster Innovation & Entrepreneurship culture by providing students, alumni & faculty to train from business ideas to Reality

Mission:
To Nurture start-ups by providing necessary support, to commercialize innovative & sustainable ideas

IIC Ecosystem Outcome

- Startups-3
- IIC Events / Workshops(2022-23)-30
- FDP's (Skill Development Programs) -8
- Courses-6
- Entrepreneur Development Programs -20
- Patents-16
- Field Trips-2
- Hands-on Workshops-2

Prof. Pramod M. Padole
Director (In-charge)
NIT Andhra Pradesh

Patron & Convenor
Prof. G. Ravi Kiran Sastry
Coordinators :
Dr. V. Sudarshana Deepa
Dr. P. Shankar
Contact :
ad_io@nitandhra.ac.in