



Academic Year 2023-2024

**ANITS INNOVATION COUNCIL
IN ASSOCIATION WITH
DEPARTMENT OF CIVIL ENGINEERING**

DATE: 30/08/2023

Event Title: How to plan for Startup and legal & Ethical Steps.

Objective: The main objective of the following session is to provide aspiring entrepreneurs and business enthusiasts with a comprehensive guide on effectively strategizing and launching a successful startup while ensuring strict adherence to legal and ethical considerations.

Speaker:


Name: J. B. BALAJI

Designation: Founder & CEO

Company: TRANSCAD ENGG & DETAILING OPC Pvt. Ltd.

Department of Civil Engineering, in Association with the Institution's Innovation Council, conducted IIC Calendar Activity "Seminar Session by Successful Entrepreneur" on 30/08/2023. Department of Civil Engineering students have participated in this program. Prof. B. N. D. Narasinga Rao, Head of the Department, Presided over the program and invited the Guest Speaker J. B. BALAJI, addressed to the students to offer practical insights, actionable steps, and best practices that will empower participants to develop a well-structured startup plan, navigate the intricate landscape of legal requirements, and foster a business environment that upholds ethical standards. Through clear and informative content, the session intends to equip participant's with the knowledge and confidence necessary to initiate and sustain their startup ventures while building a foundation of legality and ethics for long-term growth and credibility. The outcome of the session is to provided attendees with comprehensive insights into launching successful startups while navigating legal and ethical complexities. Participants gained practical knowledge in developing strategic startup plans, understanding legal requirements, and establishing ethical frameworks.



 GPS Map Camera



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Thagarapuvalasa, Andhra Pradesh, India


WCCF+7WP, NRI College Rd, Thagarapuvalasa, Visakhapatnam, Andhra Pradesh 531163, India

Lat 17.920305°

Long 83.424582°

30/08/23 03:07 PM GMT +05:30



 GPS Map Camera



Google

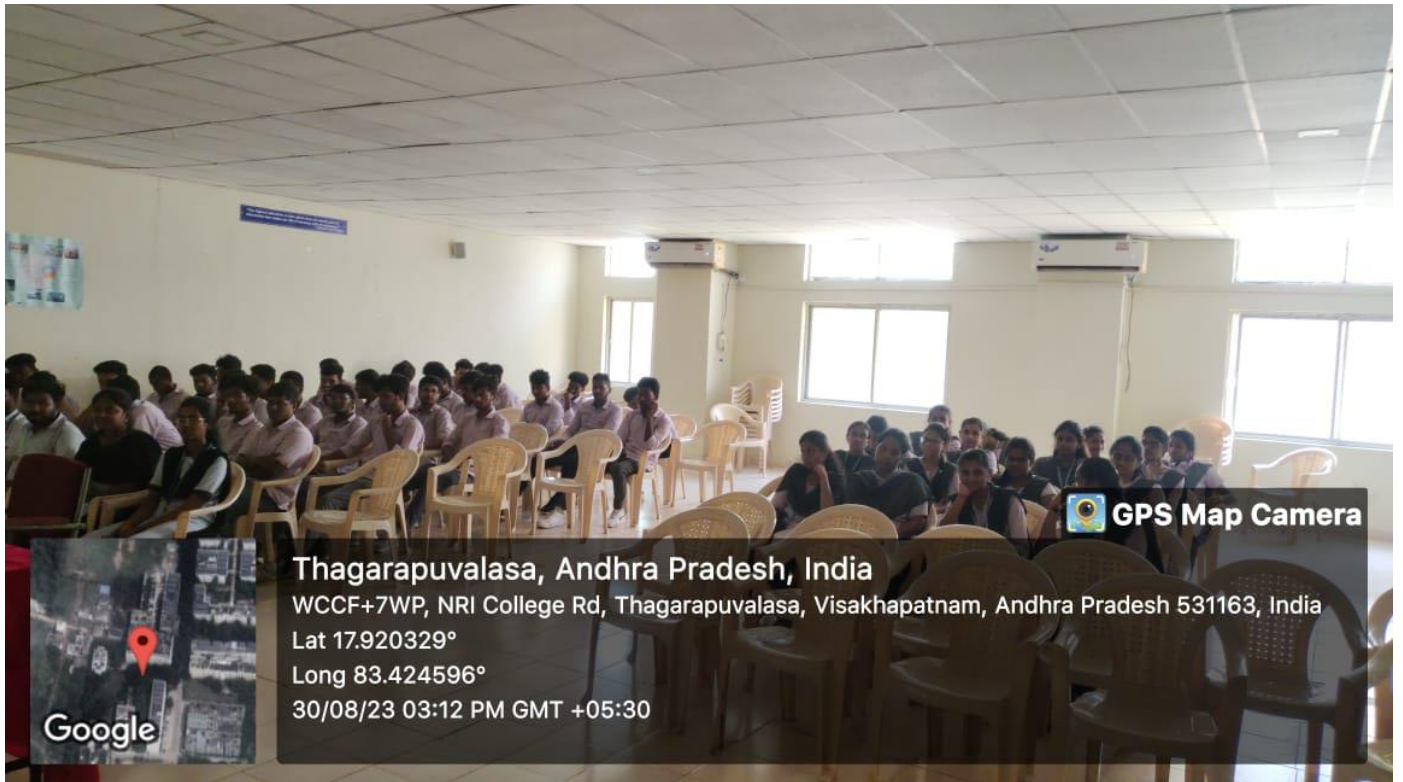
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WCCF+7WP, NRI College Rd, Thagarapuvalasa, Visakhapatnam, Andhra Pradesh 531163, India

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30/08/23 03:07 PM GMT +05:30



Thagarapuvalasa, Andhra Pradesh, India

WCCF+7WP, NRI College Rd, Thagarapuvalasa, Visakhapatnam, Andhra Pradesh 531163, India

Lat 17.920329°

Long 83.424596°

30/08/23 03:12 PM GMT +05:30

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Dr Balendra Mouli Marrapu,
IIC Civil Engg. Dept. Convener, ANITS



Academic Year 2023-2024

15.09.2023

Event Title: Project Expo Competitions Commemorating the 162nd Birth Anniversary of Bharat Ratna Sir “Mokshagundam Visvesvaraya”

Objective: The objective is to Showcase the innovative aspects of the project that set it apart from existing solutions

As part of IIC Self Driven Activities, on September 14th and 15th 2023, the Department of Civil Engineering at Anil Neerukonda Institute of Technology and Sciences, in association with the Institution's Innovation Council (IIC), organized a two-day Project Expo Competitions on Commemorating the 162nd Birth Anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya. The first day of the competition focused on the development of working models.

On Second day (i.e.15th, September 2023) the competition had started, the participants had the opportunity to Explain the significance and need of their working models in the society in front of school children come from various schools(Ameya World School, SUN School, Vidyasagara School). The participants worked in teams to develop their models and tested them in front of judges. After that participants were honored with cash prizes. They also received feedback from their peers and the school children, who helped them refine their prototypes.

Departmental Participation

Here is a summary of the Projects participation in the Project Expo:

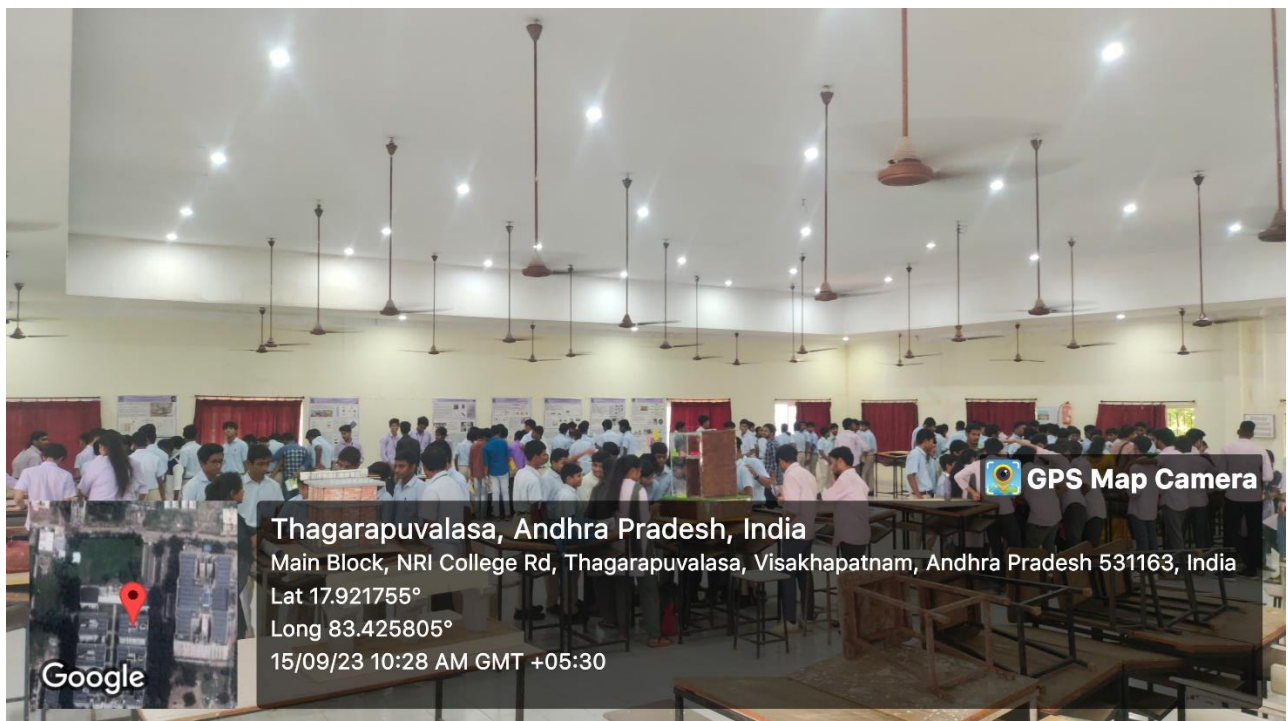
S.NO	PROJECT NAME
1	Floating Bridge
2	Pamban bridge
3	Windmill Turbine
4	Soft Story Building
5	Integrating farming system
6	Sustainable Building
7	3D Parliament building
8	Smart House
9	Chandrayaan-3

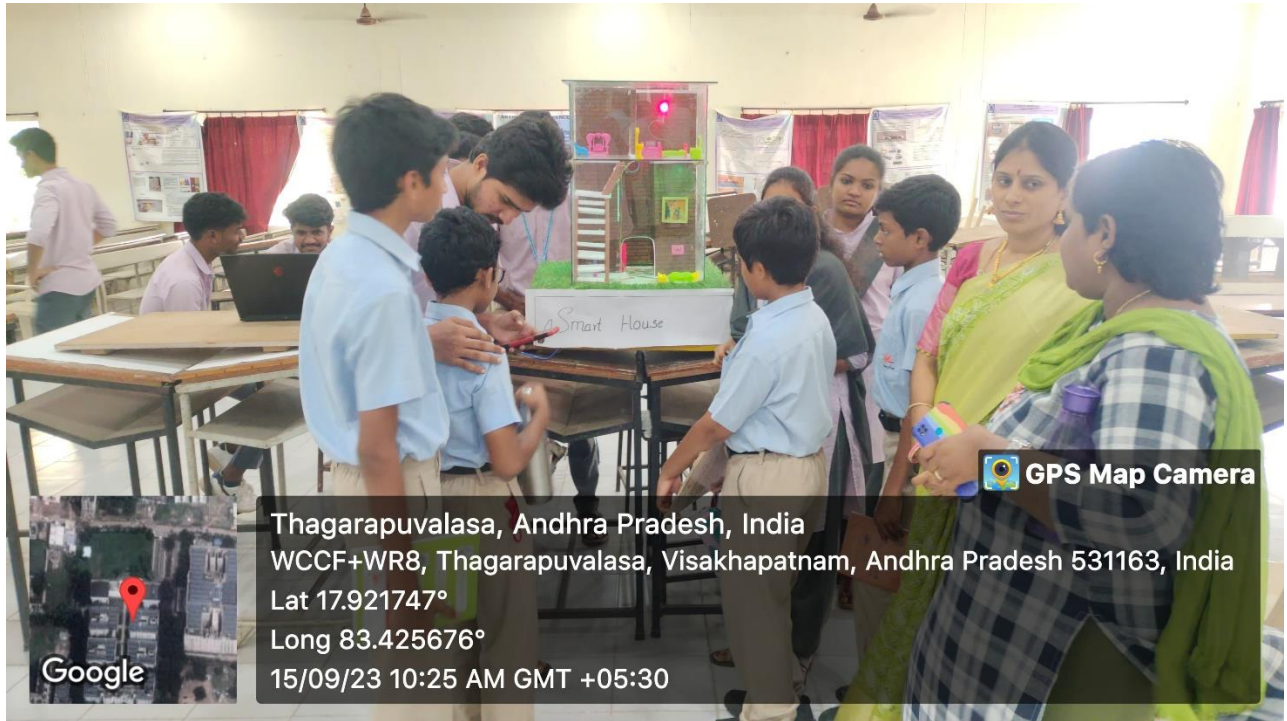
10	Chenab Rail Bridge
11	Spillway
12	Blind Specs
13	Air Quality index measurement
14	Kinetic campus with eco-gen house
15	Obstacle avoiding car
16	Budget Buyers

Conclusion

The Project Expo showcased the IICs dedication to fostering innovation and research among its students. It served as a dynamic platform for students to unveil their inventive solutions to contemporary challenges. The wide spectrum of projects, ranging from cutting-edge technologies to sustainable engineering solutions, attests to the creativity and forward-thinking mindset of our engineering students. Each project on display addressed real-world problems, emphasizing the practical application of engineering principles. The competition underscored our commitment to nurturing a problem-solving mindset among students and encouraging them to contribute meaningfully to society. The Expo facilitated cross-disciplinary collaboration, breaking down traditional silos and fostering an environment where students from different engineering disciplines could collaborate on multifaceted projects. This reflects the increasingly interdisciplinary nature of contemporary engineering challenges.

IIC congratulate all participants and prize winners for their exemplary contributions to the fields of engineering and technology. Such events serve as a testament to the talent and dedication of our students and reinforce our commitment to excellence in education and research. We look forward to future opportunities to celebrate innovation and creativity within our institution.





Students Interactions with Smart House Team People



Participants from Vidyasagara School along with Head of the Department and Department IIC Coordinator



Outcome:

The Project Expo conducted during the 14th and 15th September aimed to showcase the innovative and research-oriented projects undertaken by students across various departments. The event featured a total of 5 participating departments, with projects categorized into hardware/model presentations and software/simulation-based poster presentations.

**Dr Balendra Mouli M,
IIC Dept. Convener,**



Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Permanent Affiliation by Andhra University & Approved by AICTE
Accredited by NBA (ECE, EEE, CSE, IT, Mech. Civil & Chemical) & NAAC)
Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam District
Phone: 08933-225083/84/87 Fax: 226395



DEPARTMENT OF CIVIL ENGINEERING

The students of Civil Engineering, ANITS won the First Prize in Hardware Edition of the National level contest " **Smart India Hackathon 2023(SIH23)** organized by Ministry of Housing & Urban Affairs and AICTE in nationwide to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. National Grand finale was held in Coimbatore, Tamil Nadu from December 19th to 23nd .

The Smart India Hackathon is mainly intended to develop innovative solutions to the hardware and software problems generally encountered in the industry and society at large. The students are posed with a variety of problems for which feasible solutions have to be developed using their inherent technical skills. The organizations working under different ministries of central government were involved in framing these challenging problems.



The Joint winning Team “ECO BUILDERS_ANITS” representing Department of Civil Engineering, ANITS in the National Grand Finale of SIH-2023

The team " ECO BUILDERS_ANITS " bagged the first prize in Effective Utilization of Construction and Demolition (C&D) waste category of Hardware edition. The team "**ECO BUILDERS_ANITS,**" led by Team Leader Gullipalli Ganesh and supported by Faculty Mentors Dr. Balendra Mouli Marrapu & Dr. P. Neelima, developed three products: Coarse Aggregate, suitable for use in the bricks or pavement block industry, as well as for compound walls; Fine Aggregate, which can be repurposed for creating different zones of sands in the construction industry; and the third product, with a size of less than 75μ , serves as a stabilization agent for expansive soil. This is the one of the main challenge in the construction industry. The team successfully clinched a joint victory, earning a cash prize of **Rs.1,00,000/-**



ECO BUILDERS Team was congratulated by the Civil Engg. HoD Dr. B. N. D. V Narasinga rao and Prof. K. Sri Rama Krishna, Principal ANITS. Sri K.Niranjan Kumar ,CEO and Sri Bharath Reddy ,General Secretary of ANES appreciated the teams for their excellent performance.

Details of Team ECO BUILDERS_ANITS:**Organization:** Ministry of Housing & Urban Affairs.**Category:** Hardware**Problem Statement Number:** SIH1513**Problem Statement:** Effective Management of Construction and Demolition Waste**Problem Solution:** ZeroZenith: A Journey Towards Zero Waste in Construction

The effective management of Construction and Demolition (C&D) waste is crucial for sustainable development, and a successful solution involves the segregation of waste into three valuable products. The first product, Coarse Aggregate, provides a sustainable option for the bricks, pavement block, and compound wall industries, reducing the demand for traditional raw materials. The second product, Fine Aggregate, offers a versatile material for creating various sand zones within the construction industry, promoting resource efficiency. Lastly, the third product, with a particle size less than 75 μ , serves as a stabilization agent for expansive soil, addressing soil-related challenges in construction projects. This innovative approach not only mitigates the environmental impact of C&D waste but also contributes to the development of eco-friendly solutions for the construction sector.

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Gullipalli Ganesh	M	gullipalliganesh.20.ce@anits.edu.in	7981021635
Team Member 1	Nagalla Appala Naidu	M	nagallaappalanaidu.le.21.ce@anits.edu.in	7286916457
Team Member 2	Sadhu Umashankar	M	sadhuumasankar.20.ce@anits.edu.in	8639120192
Team Member 3	Karthikeya Uppada	M	karthiksrikar246@gmail.com	6305811749
Team Member 4	Tamminaina Manjusha	F	tamminainamanjusha.22.le.ce@anits.edu.in	8374727871
Team Member 5	Divya paidi	F	paididivya.22.le.ce@anits.edu.in	8309562307
Team Mentor	Dr. Balendra Mouli M Asst.Professor Civil Engg. ANITS	M	balendramouli.ce@anits.edu.in	9381957838
Team Mentor	Dr. P Neelima Asst.Professor Civil Engg. ANITS	F	neelima.ce@anits.edu.in	8143764200



Academic Year 2023-2024

02.03.2024

Event Title: Innovation Ignited

Objective: The objective of this event was to enable participants to aware of innovative ideas and model presentation

As part of IIC Self Driven Activities, on March 1st and 2nd 2024, the Department of Civil Engineering at Anil Neerukonda Institute of Technology and Sciences, in association with the Institution's Innovation Council (IIC), organized a two-day Innovation Idea Competitions. The first day of the competition focused on creating awareness on innovations based on questioner, on the second day for selected student's department will fund the model amount up to 2000/- and ask them to develop working models of their innovations. The participants had the opportunity to build their working models and present in front of judges. The participants worked in teams to develop their models and tested them. After that participants were honored with cash prizes. They also received feedback from their peers and the resource persons, who helped them refine their prototypes.

Departmental Participation

Here is a summary of the departmental participation in the Innovation Ignited:

Prize Distribution

The following projects and posters were selected for prize distribution due to their outstanding quality and innovative content:

Model Expo:

Prize No. 1

- Cash Prize: 2000 /-
- Name of the College: Gayatri Vidya Parishad College of Engineering (MECH)
- Project Title: Time Control Smart Power Socket
- Students:
 - Mr. B DISHANTH KUMAR
 - Mr. D SHYAM VENKAT
 - Mr. G PAVAN SAI (ANITS)

Prize No. 2

- Cash Prize: 1500 /-
- Name of the College: ANITS (CIVIL)
- Project Title: Earth AIR Cooling System
- Students:
 - Ms. P SAHALYA (A22126508052)
 - Ms. P JOSHNAVI (A22126508062)
 - Ms. A TANUJA (A22126508061)

Conclusion

The Innovation Ignited showcased the IICs dedication to fostering innovation and research among its students. IIC congratulates all participants and prize winners for their exemplary contributions to the fields of engineering and technology. Such events serve as a testament to the talent and dedication of our students and reinforce our commitment to excellence in education and research. We look forward to future opportunities to celebrate innovation and creativity within our institution.





Earth AIR Cooling System



Preparation of models in the laboratory

Outcome:

The Innovation Ignited conducted during March 1st and 2nd 2024 aimed to showcase the innovative and research-oriented projects undertaken by students across various departments. The event featured a total of 4 participating colleges, with projects categorized into hardware/model presentations and software/simulation-based poster presentations.



Explanation about their innovations to Judges

Dr Balendra Mouli M,
IIC Dept. Convener,