



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



R.V.R. & J.C.
College of Engineering (A)
Chowdavaram, Guntur, A.P.

National AgriTech Hackathon

22nd & 23rd December 2025



Organized by

RVR & JCCE STP Foundation (RJ E-Nest)

RVR & JC College of Engineering (A), Chowdavaram,
Guntur - 522019, Andhra Pradesh, INDIA



Supported by



ANDHRA PRADESH
Innovation Society



Ratan Tata Innovation Hub



भाकानुप-भारतीय श्री अन्न अनुसंधान संस्थान
ICAR-Indian Institute of Millets (Shree Anna) Research
Global Centre of Excellence on Millets (Shree Anna)



Innovation | Technology | Business



RVR & JCCE STP Foundation (RJ E-Nest)

RJ E-Nest is a registered section-8 company and funded by Department of Science and Technology (DST) under the National Initiative for Developing and Harnessing Innovations (NIDHI) scheme inclusive Technology Business Incubator (iTBI). The host institution R.V.R. & J.C. College of Engineering was established in the year 1985, sponsored by **Nagarjuna Education Society** (Estd.1967) that maintains 7 educational institutions offering education from KG to PG. It is put up on a 60 acre plot, adjoining National Highway, between Guntur-Chilakaluripet, with 9.00 lakh sq.ft. of built-up area. It offers 11 B.Tech, 6 M.Tech courses, besides MBA, MCA and BBA with total student strength of 7026. It is approved by AICTE and permanently affiliated to **Acharya Nagarjuna University**. It has been accredited by NBA in 1998, 2002, 2007, 2012, 2017, 2021, 2022, 2024 and 2025. NAAC accredited the college with an 'A+' Grade and is consistently ranked in the NIRF 201-250 band at the national level. It has been ISO 9001:2015 certified since 2019 and ISO 21001:2018 valid from 2025 to 2028.

R.V.R. & J.C. College of Engineering is also recognized as Host Institute by the Ministry of Micro, Small and Medium Enterprises (MSME) under the MSME Innovate Scheme and also hosted the MSME Idea Hackathon 5.0. In addition to 10,000 sq. ft. of iTBI, an additional 10,000 sq. ft was provided by Host Institution to start the Technology Innovation and Incubation Centre (TIIC) which was inaugurated on 27th June 2025 by **Sri Nara Chandra Babu Naidu**, Hon'ble Chief Minister of Andhra Pradesh in august presence of **Dr. Chandra Sekhar Pemmasani**, Hon'ble Union Minister of State for Communications and **Smt. Vangalapudi Anitha**, Hon'ble Home Minister.



GOVERNING BODY

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Sri J. Murali Mohan, Vice President
Dr. M. Jagadish Kumar, Vice President
Sri R. Gopala Krishna, Secretary & Correspondent
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Dean - CMR Tech Campus
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CEO - RTIH Vishakhapatnam
Dr. R. Hafeez Basha, CEO RJ E-Nest
Dr. S. Radhika, Co-PI, iTBI
Dr. MVP Chandra Sekhara Rao
Member Secretary

THEMES

AGRICULTURE



AQUACULTURE



CATTLE FARMING



MILLETS



PROBLEM STATEMENTS

Software-Related

- Real-time crop monitoring & advisory for quick, informed decisions
- AI-based weather-soil-crop advisory systems for timely, data-driven farming
- Digital rental/service platforms for farm machinery access
- Low-cost IoT water-quality monitoring with mobile dashboards
- Cloud-based livestock health app with RFID for disease tracking
- AI-driven tools for real-time millet crop health, weather insights & timely advisory
- Digital platforms to connect millet farmers with buyers for fair pricing

Hardware-Related

- AI-enabled drone-mounted imaging systems for early crop stress detection
- Affordable mini-mechanization with IoT-enabled tools for small farmers
- Automated sensor-based drip irrigation for optimal water use
- Portable cold storage & smart silos for improved post-harvest management
- AI + IoT systems for automated food processing and quality monitoring
- Smart auto-feeders with sensors to reduce feed loss & pollution
- Renewable-energy IoT aeration systems for oxygen management in aquaculture
- Solar-based cold storage for fish handling and longer shelf life
- Wearable biosensors for early livestock health alerts
- IoT-enabled automation and quality testing in milk processing units
- Enhanced cold chain and transport solutions for better dairy shelf life
- Low-cost millet dehushing, grading & storage solutions with minimal losses
- Nutritious, affordable millet-based food products with improved shelf life

REWARDS

- Cash Prizes worth **Rs. 1 Lakh**
- Ignition Grant up to **Rs. 10 Lakhs** (If Selected for Cohort-3 of RJ E-Nest)
- Mentoring, Pre-incubation / Incubation support by **aIDEA, ICAR-NAARM**
- Close interaction with Agri Scientists, Farmers, Innovators and Startups
- Certificate of Appreciation to all the Participants

IDEA SUBMISSION

Students, Faculty and Innovators can submit their ideas at:
<https://aideanaarm.accubate.app/ext/form/13297/1/apply>

For More Details Please visit our website:
<https://rvrjcce.ac.in/rjenest/agritechhackathon.html>

QR Code



REGISTRATION FEE

Participants may have to pay a nominal registration fee of **Rs. 1000/-** per team with team size not more than 5 members

Note: Accommodation shall be provided in the Campus for Outstation Participants (based on availability & prior request)

IMPORTANT DATES

Last Date to submit idea: **15th Dec 2025**
Kisan Diwas Celebrations
& Exhibition to Farmers: **23rd Dec 2025**

CONTACT US

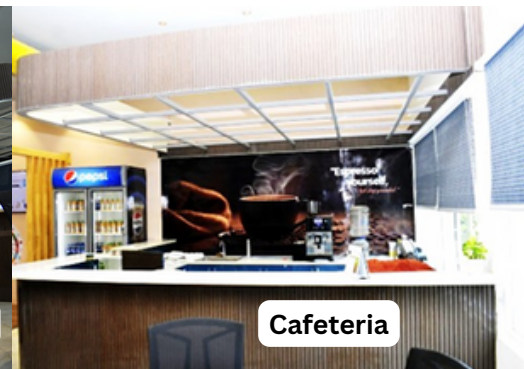
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Reception Area



Student Corner



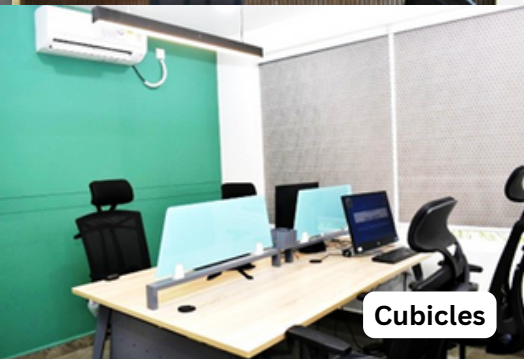
Cafeteria



Cabins Pathway



Discussion Area



Cubicles



Maker Space



Board Room



CoWorking Space