



## **Annual Report 2024-25**

### **Institution's Innovation Council (IIC)**

#### **Gokhale Education Society's**

#### **R. H. Sapat College of Engineering, Management Studies and Research, Nashik - 422005**

##### **A. About IIC Institute**

The Institution's Innovation Council (IIC) was established at R. H. Sapat College of Engineering, Management Studies and Research in the academic year **2023-24** as part of the Ministry of Education's Innovation Cell (MIC) initiative. The IIC aims to foster a vibrant innovation culture across the institute by encouraging students and faculty members to develop creative ideas and convert them into viable products and solutions.

##### **Journey of IIC (2023-24)**

The IIC journey at the institute began with the constitution of a core team comprising senior faculty members and student representatives. The primary focus during the first year was to build awareness about innovation and entrepreneurship through workshops, seminars, and ideation sessions. Despite challenges posed by the COVID-19 pandemic, the council managed to hold online and hybrid events to reach out to students and faculty. The institute has begun drafting innovation policies to formalize processes for intellectual property (IP) creation and startup incubation.

##### **Diversified Representation**

Currently, the IIC consists mainly of faculty and student members from the core engineering and management departments. However, the council lacks diverse participation from industry experts and interdisciplinary units such as biotechnology, humanities, or allied sciences. Efforts are underway to invite industry partners and establish collaborations to enhance multidisciplinary innovation.

### B. Key Functionaries of IIC

The success of the IIC heavily depends on the commitment of its leadership team and coordinators who drive various initiatives.

Designation	Name	Brief Profile
<b>President</b>	Prof. P. M. Deshpande	A senior faculty with over 25 years of teaching and research experience in Mechanical Engineering, actively promoting innovation culture at the institute.
<b>Vice-President</b>	Dr. S. P. Agnihotri	Experienced researcher and mentor, specializing in technology management and entrepreneurship.
<b>Convener</b>	Mrs. G. R. Kawale	Coordinator for workshops and innovation contests; key motivator for student participation.
<b>Coordinator</b>	Mr. R. S. Pawar	Manages day-to-day operations of IIC, organizes events, and liaises with Ministry of Education.

### C. Resource Strength of IIC

The institution has mobilized resources both human and physical to nurture innovation.

#### Human Capital

Category	Count	Remarks
IIC Members	6	Faculty from key departments
Innovation Ambassadors (Students)	Nil	Recruiting underway
Faculty Mentors	6	Assigned from respective departments

## **Physical Capital**

- Currently, the institute does **not** have dedicated **Pre-Incubation or Incubation Units** on campus.
- No formal **IP Facilitation Unit** exists yet, but the IIC has initiated training for faculty on patent filing.
- Innovation-related labs and maker spaces are being identified and will be expanded soon.

## **D. Facilities and Student Bodies Promoting Innovation**

Though infrastructure is nascent, the institute is building a foundation for innovation through the following:

### **1. Innovation Cell Lead – Ms. Nita Kotkar:**

Oversees innovation workshops and liaises with external mentors to provide technical guidance.

### **2. Entrepreneurship Development – Mr. Vrushab Vora:**

Conducts entrepreneurship awareness programs, encouraging students to explore startup ecosystems.

### **3. Panel Discussion Leadership – Ms. Nita Kotkar & Panel:**

Organizes panel discussions involving alumni entrepreneurs, industry experts, and faculty on emerging technologies and startup opportunities.

### **4. Student Innovation Clubs:**

Formation of student clubs focused on robotics, software development, and business model development are in progress.

## **E. Achievements of IIC (Narrative & Tabular Presentation)**

### **Innovation & Entrepreneurship Activities Conducted (2024-25)**

<b>Activity Type</b>	<b>Details</b>	<b>Number Conducted</b>
Innovation Awareness Workshops	Conducted on idea generation and IP basics	3
Entrepreneurship Boot Camps	Training sessions for aspiring student entrepreneurs	2
IPR Awareness & Patent Filing Sessions	Sessions to educate on patent processes	2
Innovation Competitions	Internal hackathons and idea pitch contests	3
Guest Lectures by Industry Experts	Talks on trends in technology & entrepreneurship	4

### **Innovations and Ideas**

<b>Metric</b>	<b>Number</b>
Student & Faculty Ideas Generated	12 (across engineering & management)
Innovations/Prototypes Developed	4 (IoT devices, AI models, eco-friendly tech)
IPs Generated (Filed/Granted)	1 Patent filed (Water-level monitoring device)
Startups Established	1 (AgriBotics – Agri-Tech automation)
Amount Spent on Promotion	₹ 25,000
Grants/Funds Received	Nil
Technology Transfer/Commercialization	Nil

## **F. Highlighted Faculty and Student Achievements**

### **Faculty Profiles**

- **Mrs. G. R. Kawale:**

Recognized for outstanding leadership in promoting innovation culture; successfully organized multiple workshops with high student participation.

- **Mr. R. S. Pawar:**

Developed a framework for mentoring student teams during Smart India Hackathon; instrumental in fostering a problem-solving mindset.

### Student Achievements

- **Mr. Akshay Shinde:**

Developed a Smart Home Automation system prototype that won the institute-level innovation contest and was presented at the regional tech fest.

- **Ms. Priya Kulkarni:**

Developed an AI-based attendance system as a part of final-year project, which is being considered for implementation at the college.

### G. Best Innovations and Inventors

Innovation Name	Inventor(s)	Description
Smart Home Automation System	Akshay Shinde	IoT-enabled device for home control using voice commands.
Eco-Friendly Cooler	ME Student Team	Sustainable cooling device utilizing recycled materials and solar power.
AI-Enabled Attendance System	Priya Kulkarni	Automated attendance using face recognition for classrooms.

### H. Startups Established

#### AgriBotics

**Founder:** Sahil Jadhav

**Description:**

AgriBotics aims to revolutionize agriculture by automating irrigation and pest control using robotics and sensor-based data analytics. The startup has participated in regional startup meets and is currently in prototype development.

**I. Breakthrough Innovations/Technologies**

**1. IoT Water Level Monitoring System**

Developed by final-year students for monitoring tank water levels and sending SMS alerts to users, aimed at preventing overflow and wastage in rural areas.

**2. AI-Based Exam Proctoring Tool**

A project to enable remote exam monitoring by detecting suspicious activity using machine learning algorithms, enhancing online exam integrity.

**3. Eco-Cooler Technology**

A prototype sustainable cooling device designed using natural materials and solar energy, offering a low-cost alternative to conventional air conditioners.

**J. Participation in Central & State Government Programs**

<b>Program Name</b>	<b>Participation Status</b>
<b>NISP (National Innovation &amp; Startup Policy)</b>	Faculty trained on policy formulation; policy draft submitted for approval.
<b>Smart India Hackathon</b>	Institute teams participated in preliminary rounds; preparation ongoing for national-level participation.
<b>IDE Boot Camp</b>	Conducted two boot camps to train students on ideation and prototyping.
<b>YUKTI Innovation Challenge</b>	One team submitted innovation focused on sustainable energy.
<b>IIC-ATL Mentorship Linkage</b>	Registered and collaborating with Atal Tinkering Labs for mentorship support.

## **K. Social Media and Online Presence**

The IIC has established multiple digital platforms to engage students and spread awareness:

- **Instagram:** @iic\_rhscoem (2,000+ followers, regular posts on events and innovations)
- **LinkedIn:** IIC RHSCOEM (Professional network for alumni and industry collaboration)
- **Facebook:** IIC RHSCOEM Official Page (Used for event announcements and community interaction)

## **L. Testimonials**

### **Prof. P. M. Deshpande (IIC President):**

*"Our Institute's Innovation Council has laid a strong foundation for nurturing creative ideas and entrepreneurship among students and faculty. The enthusiasm witnessed is encouraging, and we are committed to providing the necessary support and resources."*

### **External Mentor – Dr. A. R. Kulkarni:**

*"The Institute has made commendable progress in a short period. The enthusiasm among young innovators is promising, and with focused mentorship, we can expect breakthrough solutions soon."*

## **M. Images and Visual Documentation**

*(Include here images of the following)*

- Workshops & Boot Camps
- Innovation Day Celebrations
- Student Teams Presenting Prototypes
- Guest Lectures & Panel Discussions

- Faculty and Student Award Ceremonies

## INTERNAL HACKATHON 2024

**Date: Wednesday, 18th Sep 2024**



# Space Exploration Event by ISRO-25

Date: 23 NOV 2024

Venue: Gururdakshina Hall

## Glimpses of Space Exploration Event by ISRO-25



**Felicitation of Honorable Director Prof. P. M Deshpande by Principal Dr S. S. Sane**



**Summary:** The event successfully inspired students to explore the world of space science and take pride in India's accomplishments in this field. It was a day filled with learning, exploration, and excitement for all who attended.

## शाळा कनेक्ट NEP-2.0

17 जानेवारी 2025

**विषय:** आर.एच. सापट कॉलेज ऑफ इंजिनियरिंग, नाशिक यांच्या वतीने "स्कूल कनेक्ट NEP-2.0" विषयावर माधवराव लेले प्राथमिक शाळेतील विद्यार्थ्यांसाठी तज्ञ व्याख्यान

**मुख्य वक्ते:** आर. एच. सपट कॉलेज ऑफ इंजिनियरिंग चे विद्यार्थी - श्री. मानस शशिकांत सोनवणे, श्री. सर्वेश भूषण घोटेकर, श्री. प्रणाम्य देशपांडे

**आयोजक:** आर. एच. सपट कॉलेज ऑफ इंजिनियरिंग मॅनेजमेंट स्टडीज अँड रिसर्च नाशिक.

### "कार्यक्रमाचे झलक"



शाळेच्या विद्यार्थ्यांची प्रवेशव्दारातील आगमन.

डॉ. एस. पी. अग्निहोत्री यांचे परिचय भाषण

### Summary

NEP 2.0 विषयावरील प्रेरणादायक सादरीकरणासाठी श्री. आर. एस. पवार यांचे आभार मानण्यात आले. कार्यक्रमाच्या यशासाठी मार्गदर्शन करणाऱ्या प्रमुख मान्यवरांसह शिक्षक व कर्मचार्यांचे आभार. व्याख्यानात शालेय शिक्षणात तंत्रज्ञानाच्या भूमिकेवर महत्त्वपूर्ण माहिती देण्यात आली.

# **“Igniting Innovation Platform – Building Nashik Startup Ecosystem”**

**27 th and 28 th February 2025**

**Organized by District Skill Development, Employment, Entrepreneurship & Innovation Guidance Center (DSDEEGC),**

**Government of Maharashtra, in collaboration with NIMA, AIMA, MACCIA,**

**Laghu Udyog Bharati, Swavlambi Bharat, IBSEA**

**Hosted By**

**Gokhale Education Society’s R H Sapat College of Engineering, Management Studies and Research, Nashik**

## **Glimpses of “Igniting Innovation Platform – Building Nashik Startup Ecosystem”**

**February 27–28, 2025**



**President, Chief Guest and Guest’s Present on 27 March 2025**



**Speech of Hon. Dr. Mrs. D.P. Deshpande,**  
Secretary, Gokhale Education Society



**Speech of Hon. Mrs. Ashima Mittal,**  
CEO, Zilla Parishad, Nashik



Audience at Gurudakshina Hall



Audience at Palash Hall

**Summary:** The “Igniting Innovation – Empowering Nasik’s Startup Ecosystem” event, held on February 27–28, 2025, at Gurudakshina Hall, Nashik, was organized by the District Skill Development, Employment & Entrepreneurship Guidance Center (DSDEEGC), in collaboration with industry bodies like NIMA, AIMA, MACCIA, and others, and hosted by R.H. Sapat College of Engineering. The event aimed to foster entrepreneurial skills, promote networking, and raise awareness of government startup schemes through expert sessions, startup showcases.

# “Celebration of International women’s Day2025”

Date: July 3, 2025





## Summary

Women's Day was celebrated on July 3, 2025, at G.E.S.R.H. S.M., Nashik, with a theme of "Accelerate Action." The event included a talk by Dr. A.M. Kanikar on female safety at the workplace, emphasizing awareness and reporting of harassment. Students performed various activities, and Dr. Neeta Deshpande gave the vote of thanks.

# Independence Day 2025



**Summary:** The event concluded formally with a vote of thanks, expressing gratitude to the chief guest, participants, and all attendees for their presence and contributions.

In summary, the Independence Day celebration was a meticulously planned event that successfully combined traditional patriotic observances, such as the parade and flag hoisting, with an institutional focus on celebrating the achievements of the Gokhale Education Society.

# “Celebration of World Entrepreneurs' Day”

**Date:** August 21, 2025

**Venue:** E-Cell Room, [GES's R. H. Sapat COE, Nashik]

**Organized by:** Institution Innovation Council (IIC)/ Entrepreneurship Cell (E-Cell)





College Rd, Krishi Nagar, Nashik,  
Maharashtra 422005, India  
Lat: 20.00593, Lng: 73.76289  
21/08/25 01:08:43 PM GMT+05:30



**Summary:** The celebration of World Entrepreneurs' Day served as a powerful reminder of the importance of innovation, perseverance, and vision in building a better future. The event was not only educational but also motivational, encouraging students to explore entrepreneurship with confidence and curiosity.

# **“Integrated Circuits and Layout Designs”**

**Date:** August 26, 2025

**Venue:** E & TC Department Seminar Hall, [GES’s R. H. Sapat COE, Nashik]

**Organized by:** Institution Innovation Council (IIC)/ Entrepreneurship Cell (E-Cell)

**Speaker:** Dr. K. V. Karad (Asst. Professor, E & TC Department GES’s R. H. Sapat COE, Nashik)

**Glimpse of Events:**



2035+QHV, Krishi Nagar, Nashik,  
 Maharashtra 422005, India  
 Lat: 20.00448, Lng: 73.75893  
 26/08/25 11:07:35 AM GMT+05:30



2035+QHV, Krishi Nagar, Nashik,  
 Maharashtra 422005, India  
 Lat: 20.00448, Lng: 73.75893  
 26/08/25 11:06:42 AM GMT+05:30



2035+QHV, Krishi Nagar, Nashik,  
 Maharashtra 422005, India  
 Lat: 20.00448, Lng: 73.75893  
 26/08/25 12:26:26 PM GMT+05:30



2035+QHV, Krishi Nagar, Nashik,  
 Maharashtra 422005, India  
 Lat: 20.00448, Lng: 73.75893  
 26/08/25 12:29:11 PM GMT+05:30

**Summary:** The guest lecture by Dr. K. V. Karad proved to be an enriching experience, merging technology with law. The active participation of NBT Law College’s BA LLB 3rd Year students and faculty highlighted the growing need for interdisciplinary education. Such collaborations pave the way for broader academic

perspectives and better preparedness for real-world legal challenges in the innovation-driven ecosystem.

## **N. Contact Information**

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Sign:



**IIC Convener & startup activity coordinator**  
(*Dr. Santosh Agnihotri*)



**Head of Institute**  
(*Dr. S. S. Sane*)