



WATER THAT IS DISCARDED DURING THE PROCESS
MOSIS FILTRATION. THIS DISCARDED WATER GOES
TO CINES.
WATER FROM 1 LITRE WATER ONLY 250ML WATER IS
OBTAINED. THEREFORE 750ML WATER IS
TOTALLY WASTAGE.



STUDENTPRENEUR CHALLENGE: PHASE III



17TH - 18TH March, 2025



150+ Participants



PDEU IIC Office

**“Entrepreneurship is about turning what excites you into capital,
so that you can do more of it and move forward with it.”**
— Richard Branson



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ABOUT Pandit Deendayal Energy University (PDEU)

Pandit Deendayal Energy University (PDEU), formerly known as Pandit Deendayal Petroleum University (PDPU), was established by the PDPU Act, 2007; Acts of the Gujarat Legislature and Ordinances promulgated and Regulations made by the Governor, in the State of Gujarat, India. The primary thrust areas for the university are to ensure Energy for All, creating a Larger Social Impact and Prepare the Youth for tomorrow. PDEU has NAAC accreditation with **"A++"** Grade CGPA of **3.52** out of **4.00** & Graded Autonomy by UGC.

The University addresses the need for trained and specialized human resources for the energy industry worldwide. It intends to expand students' and professionals' opportunities to develop an intellectual knowledge base with leadership skills to compete globally. This objective is being addressed through several specialized and well-planned undergraduate and postgraduate energy education programs and intensive research initiatives, in management, engineering and humanities.



NAAC A++ Grade

PDEU

GANDHINAGAR, GUJARAT

Formerly Pandit Deendayal Petroleum University (PDPU)

PANDIT
DEENDAYAL
ENERGY
UNIVERSITY

SoM
SCHOOL OF
MANAGEMENT

SoET
SCHOOL OF
ENERGY
TECHNOLOGY

SOT
SCHOOL OF
TECHNOLOGY

SLS
SCHOOL OF
LIBERAL
STUDIES

SoL
SCHOOL OF
LAW

9500+
Students

500+
Faculty &
Staff

200+
Guest
Faculty

75+
Ongoing
Project

450+
Patents

250+
Students
Research
Project

98%
Faculty with PhD
from premier
institutes

50+
Professional Body
Association



ABOUT PDEU Innovation and Incubation Centre (PDEU IIC)

PDEU Innovation and Incubation Centre (formerly known as PDPU IIC) is an incubator at PDEU established in 2014. The Centre was formally established in 2017 u/s 8 of The Companies Act, 2013, with a vision to provide state-of-the-art support and service to innovators, technocrats and entrepreneurs who aim to create a social and economic pact in society through innovative solutions to existing problems. The centre acts complementary to the academic and research activities of the University.

PDEU IIC has also been approved to be a **“Technology Business Incubator”**, a recognition by the Department of Science and Technology, Government of India. It is recognized as a Nodal Institute by the Government of Gujarat. PDEU IIC has incubated **200+ start-ups** across **10+ domains** and generated more than **500 employment** opportunities through start-ups. The IIC Office has a specially designated area of **20,000 sq. ft** for the start-ups to work on.



NIDHI Technology Business Incubator



3500+
Application received

200+
Start-up Incubated

230+
Events Organised

35,000+
Students Sensitized

30+
Startups with INR 50L+ revenue

12+
NISP Startups

45 CR+
Funding Raised

150+
IPR FILED

500+
Employment Generated



nirf-Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

ABOUT THE STEMbotix

STEMbotix is committed to enhancing expertise in emerging technologies through STEM-based education and training. They strive to revolutionize education from kindergarten to post-graduation, ensuring that all students have the necessary knowledge, attitude, and skills to excel in their studies and careers. The foundation conducts STEM-based training programs for schools, colleges, and universities, with a particular focus on providing advanced technological courses to underprivileged children in rural India.



ABOUT STUDENTPRENEUR CHALLENGE : PHASE III

Studentpreneur Challenge: Phase III is a flagship initiative under the PDEU Innovation and Incubation Centre (PDEU IIC), designed to **nurture entrepreneurial skills among students**, particularly from school level. It seeks to spark curiosity, encourage problem-solving, and promote innovation by enabling students to explore the fundamentals of entrepreneurship. Through this platform, **young innovators are mentored to ideate, build, and present projects** that tackle real-world challenges, building a strong foundation for future leadership and innovation.



PURPOSE OF THE EVENT

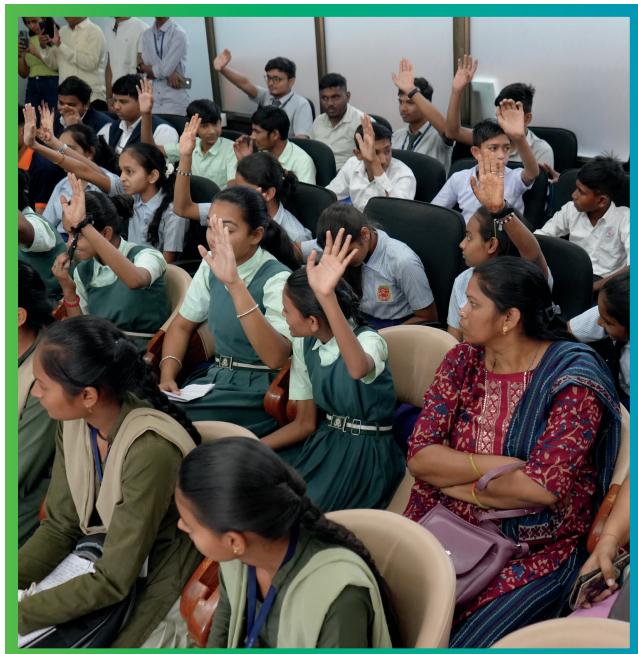
The main purpose of **Studentpreneur Challenge: Phase III** was to cultivate a spirit of innovation among students from government schools across Gujarat. By **integrating ATL (Atal Tinkering Lab) methodology** and first principles thinking, the event aimed to go beyond traditional learning, encouraging students to think critically and independently. The **collaboration with STEMbotix** brought technical mentorship and real-world relevance, giving students the tools to transform their classroom learning into viable, impactful solutions.



ABOUT THE EVENT

Studentpreneur Challenge: Phase III brought together over **150+ students** from various government schools across Gujarat. The students formed around **30 teams**, each presenting solutions to pressing global challenges including sustainable energy, waste management, and AI-driven systems. Students showcased models of electric vehicles, solar energy systems, and smart automation tools, reflecting a deep understanding of the issues and a drive to solve them.

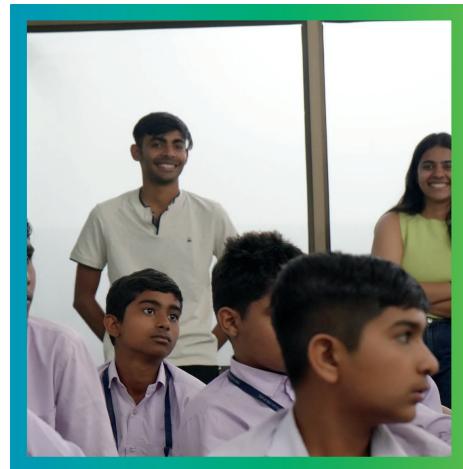
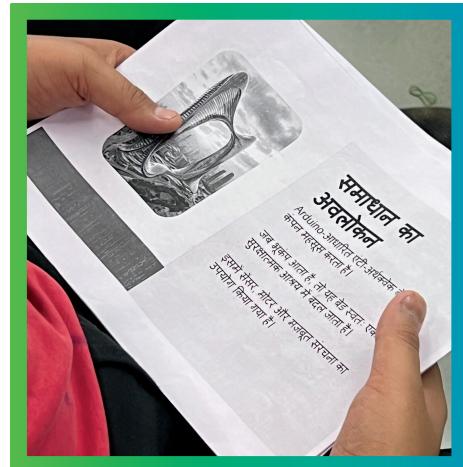
The environment was energetic and inspiring, with students receiving mentorship from experts, refining their pitch, and enhancing their technical execution. The event was driven by the **ATL (Atal Tinkering Lab)** methodology, encouraging hands-on experimentation, and first principles thinking, a powerful approach to break problems down to their core. Mentors worked closely with the students, offering feedback and helping refine their ideas into clear, impactful presentations. It was a live showcase of how early exposure to innovation ecosystems can shape future tech leaders.



OUTCOMES OF THE EVENT

Studentpreneur Challenge: Phase III was a great example of how young minds can come up with impactful and innovative ideas when given the right environment and support. The event helped students gain valuable skills in technology, teamwork, and entrepreneurship.

With strong collaboration between **PDEU IIC and STEMbotix**, the event provided a platform for students to take their first steps toward becoming future innovators and leaders. Events like these not only help students grow but also contribute to building a stronger and more creative future for our society.



PDEU IIC

X

STEMBOTIX



NIDHI Technology Business Incubator

PDEU Innovation and Incubation Centre

Pandit Deendayal Energy University (PDEU)

Raisan, Gandhinagar - 382426, Gujarat, India

Phone (O): +91 79 23275143 | Email: iic@pdpu.ac.in



Let's Connect