

Goa State
Innovation
Council

GOA STATE
INNOVATION COUNCIL
ANNUAL REPORT 2025-2026



Annual Report

2025-26



Atanasio Monserrate
Minister for Revenue, Labour & Waste Management
Government of Goa

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Innovation plays a pivotal role in shaping resilient economies, strengthening communities, and creating sustainable pathways for development. As Goa continues its journey towards becoming a knowledge-driven and innovation-oriented State, it is encouraging to witness the growing participation of students, educators, innovators, researchers, and entrepreneurs in this transformation.

The Goa State Innovation Council (GSInC) has continued to make significant contributions towards fostering a culture of innovation across the State through its diverse programmes and initiatives. By creating platforms for learning, experimentation, collaboration, and entrepreneurship, the Council has enabled individuals from varied backgrounds to engage meaningfully with science, technology, and innovation.

During the financial year 2025-26, GSInC successfully implemented a wide range of initiatives, including innovation bootcamps, STEM workshops, prototyping programmes, intellectual property awareness sessions, faculty development programmes, student innovation schemes, and startup-focused interventions. The Council's continued efforts in supporting innovators through the Virtual Innovation Register, patent facilitation schemes, prototyping assistance, and innovation recognition programmes have further strengthened Goa's innovation ecosystem.

The successful organisation of INEX India 2025 stands as a significant achievement, bringing together global innovators and creating opportunities for collaboration, knowledge exchange, and exposure to emerging technologies. Such initiatives reinforce Goa's growing reputation as a destination that encourages innovation, creativity, and entrepreneurship.

I commend the Chairman, Members, Secretariat, partner institutions, and all stakeholders associated with the Goa State Innovation Council for their dedication and commitment to advancing the State's innovation landscape.

I am confident that GSInC will continue to play an important role in nurturing future innovators, supporting transformative ideas, and contributing meaningfully towards the vision of a self-reliant, innovation-driven India.

Warm Regards,


(Atanasio Monserrate)
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Jose Manuel Noronha
Chairman

Chairman's Message

It gives me immense pleasure to present the Annual Report of the Goa State Innovation Council (GSInC) for the financial year 2025–26, reflecting another year of meaningful progress in our collective effort to strengthen Goa's innovation ecosystem.

Innovation today is no longer confined to laboratories, research institutions, or large enterprises. It is increasingly emerging from classrooms, workshops, colleges, startups, grassroots communities, and young minds willing to challenge conventional problem-solving approaches.



Today, ignited minds are creating brilliant, easy-to-market solutions to address a host of pain points across healthcare, defence, learning & development, and more. At GSInC, our continued endeavour has been to create opportunities for identifying, nurturing, protecting, and transforming such ideas into impactful solutions.

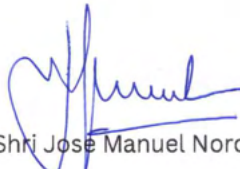
During the year, GSInC continued to expand its outreach through a wide range of initiatives spanning STEM education, innovation bootcamps, prototyping workshops, faculty development programmes, intellectual property awareness sessions, risk capital workshops, industry-institute interactions, and women-centric innovation initiatives. These programmes collectively engaged thousands of students, educators, innovators, entrepreneurs, and stakeholders across Goa.

One of the highlights of the year was the successful conduct of INEX India 2025, which brought together innovators, researchers, startups, and industry representatives from over 20 countries. The event further strengthened Goa's position as a growing hub for innovation-led collaboration and knowledge exchange while providing valuable exposure to students and institutions across the State.

The Virtual Innovation Register (VIR) continued to serve as a vital platform for capturing and supporting innovative ideas, crossing significant milestones in registrations and participation. The Council also continued its support for student innovation projects, patent filing assistance, prototyping grants, and recognition initiatives such as the Goa Rajya Vidnyanik Puraskar, reinforcing our commitment to encouraging innovation at every stage of development.

The growing participation witnessed across schools, colleges, and institutions is an encouraging indication of the increasing enthusiasm for innovation and entrepreneurship among Goa's youth. This momentum inspires us to deepen our efforts further to create an ecosystem that supports experimentation, creativity, research, and enterprise.

I express my sincere gratitude to the Government of Goa, the Department of Science, Technology & Waste Management, our Council members, academic institutions, industry partners, mentors, innovators, and the dedicated GSInC team for their continued support and contribution.


Shri Jose Manuel Noronha



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CHAPTER 1

INTRODUCTION

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INTRODUCTION

1.1 GENERAL INTRODUCTION

Progress commonly begins with a steady conviction—that there is always a better way to think, build, and evolve. It is this conviction that underpins the journey of the Goa State Innovation Council (GSInC), an institution committed to building a tradition of innovation across the state.

Established under the Directorate of Science and Technology, as part of a broader national effort to institutionalize innovation-led growth, GSInC functions as a strategic enabler, developing an environment where ideas are not only encouraged but systematically nurtured into tangible outcomes. GSInC serves as the State’s nodal body for fostering a culture of creativity, problem-solving, and entrepreneurial thinking.

India’s aspiration to evolve into a self-reliant and globally competitive economy anchored in inclusivity and sustainability forms the foundation of this initiative. Within this larger national framework, GSInC plays a pivotal role in translating these ideals into actionable programs at the state level.

Over the years, GSInC has worked towards strengthening the foundations of an innovation-led ecosystem—one that brings together government bodies, academic institutions, industry leaders, and emerging entrepreneurs. Its role surpasses facilitation; it lies in building meaningful intersections where knowledge, resources, and ambition converge to produce an enduring effect. The Council continues to help position Goa as a progressive centre for innovation and enterprise.

Central to GSInC’s approach is the belief that innovation must be inclusive, accessible, and purpose-driven. Through a range of initiatives spanning mentorship, capacity building, funding support, and collaborative platforms, the Council has enabled

students, startups, and professionals to translate ideas into workable solutions. These efforts extended beyond encouraging experimentation to instilling resilience, critical thinking, and long-term value creation.

The past year has been especially important in demonstrating the strength of this approach. Across programmes and partnerships, there has been a visible momentum—young thinkers taking on the role of creators, entrepreneurs expanding the scope of their ventures, and institutions working in closer alignment than ever before. Such developments demonstrate a broader change towards a more integrated and responsive innovation ecosystem within the state.

As this report reflects on the milestones of 2025–26, it also acknowledges the combined effort that has made this progress possible. The persistent engagement of students, innovators, mentors, industry stakeholders, and policy enablers remains at the core of GSInC's journey. Going forward, the focus remains clear: to deepen this ecosystem, expand opportunities, and support ideas that bear the potential to create meaningful social and economic impact.

Objectives of the Goa State Innovation Council

The Goa State Innovation Council (GSInC) is guided by a clear and purposeful mandate to strengthen the State's innovation landscape through structured interventions and collaborative engagement. Its key objectives are outlined as follows:

- Support the Government to promote innovation in Science and Technology and strengthen the Innovation ecosystem in the State of Goa.
- Organize seminars, workshops, lectures, and symposia on innovation and related areas.
- Identify, encourage and reward young talent in innovation related to Science and Technology.
- Map opportunities for innovation in the State of Goa.
- Assist in identifying and setting up common facility centers for "Robotics and Coding" at educational institutions.

- Create periodic reports on innovations in the State of Goa.
- Create and maintain the Council Web portal which includes monitoring and evaluating the Virtual Innovation Register.
- Organize risk capital and venture capital for young innovators in the State of Goa.
- Identify High Net-worth Individuals (HNI) and Angel Investors (AI) and organize periodic "Pitching Sessions" for the innovators of the State with the HNIs and AIs.
- Engage with the Innovation Community to develop ideas and strategies for the growth of Innovation in the State of Goa.
- Connect and develop a closer linkage between National and State Innovation ecosystems.
- To provide financial support for prototyping technology-based innovative projects/ideas under the Virtual Innovation Register (VIR) to make it affordable for students, startups, innovators, research faculty, and entrepreneurs who require necessary support in converting ideas into marketable products.

1.2 THE SECRETARIAT

The Secretariat of the Goa State Innovation Council is housed at Don Bosco College of Engineering. At present, the Secretariat functions with a two-member team, whose details are outlined below:

TABLE: 1.1: STAFF EMPLOYED IN THE GSInC WITH NAME AND DESIGNATION

SR. NO	NAME OF THE EMPLOYEE	DESIGNATION
01	Mr. Sudip Faldesai	Project Officer
02	Mrs. Valencia Fernandes	Secretarial Assistant

PHOTOGRAPH 1.1: THE SECRETARIAT OF GOA STATE INNOVATION COUNCIL ESTABLISHED AT DON BOSCO COLLEGE OF ENGINEERING, FATORDA





CHAPTER 2

CONSTITUTION OF THE COUNCIL

CHAPTER 2

CONSTITUTION OF THE COUNCIL

2.1 INTRODUCTION

To effectively deliver on its mandate, the Goa State Innovation Council (GSInC) has constituted a Council comprising distinguished representatives from academia, industry, and government. This multi-sectoral composition ensures a convergence of perspectives, enabling informed decision-making and a holistic approach to advancing innovation within the State.

Functioning under the aegis of the Department of Science, Technology & Waste Management, GSInC operates its Secretariat from Don Bosco College of Engineering, Fatorda. The Council actively drives innovation-led initiatives and programmes, playing a key role in building and strengthening Goa's innovation ecosystem. GSInC benefits from the depth and diversity of its members' experience, which plays a critical role in shaping strategic priorities, strengthening institutional frameworks, and guiding the implementation of key initiatives. Their continued engagement brings both policy-level insight and practical relevance, ensuring that GSInC's interventions remain responsive to emerging opportunities and aligned with the State's broader development goals.

A detailed overview of the Council's composition, along with profiles of its members, is presented in the following section.

2.2 CONSTITUTION OF THE COUNCIL MEMBERS

The Goa State Innovation Council (GSInC) was first constituted on 4th August 2011 under the National Innovation Council, Government of India, following the guidance of the Adviser to the Prime Minister on Public Information Infrastructure and Innovations. Initially established under the Directorate of Higher Education, it was later brought

under the Department of Science, Technology & Environment in 2013, and subsequently reconstituted on 19th October 2021 under the Department of Science, Technology & Waste Management (S&T & WM), Government of Goa.

In line with recommendations from the Finance Department, GSInC was registered as a society under the Societies Registration Act, 1860, and is now formally known as the Goa State Innovation Council Society (Registration No. 98/Goa/2023).

SHRI. CARMINHO JOSE MANUEL DO ROSARIO DE NORONHA Goa Public Service Commission	Chairman
--	----------

SHRI. MOHD. SHABIR, IAS Director, Department of Science and Technology & Waste Management Government of Goa, Porvorim, Goa	Member Secretary
--	------------------

SHRI. BHUSHAN SAVAIAKAR Director, Directorate Of Higher Education, Government of Goa	Member
---	--------

MR. KABIR SHIRGAONKAR Director, Department of Information Technology, Government of Goa, Panaji -Goa	Member
--	--------

PROF. SUNIL KUMAR SINGH Director, CSIR-National Institute of Oceanography (NIO), Dona Paula, Goa	Member
--	--------

PROF. O.R. JAISWAL Director, National Institute of Technology, Farmagudi, Ponda, Goa	Member
--	--------

DR. SUMAN KUNDU Director, BITS Pilani K. K. Birla Goa Campus	Member
SHRI. BHUSHAN SAVAIAKAR Director, Directorate of Technical Education, Porvorim, Goa	Member
DR. VINAYAK N SHET Principal, Goa College of Engineering, Farmagudi, Ponda, Goa	Member
DR. NEENA PANANDIKAR Principal, Don Bosco College of Engineering, Fatorda, Goa	Member
SHRI. D. S. PRASHANT CEO, Startup and IT Promotion Cell, Govt. of Goa	Member
SMT BRENDA FERNANDES Member Secretary, Goa State Council for Science and Technology, Government of Goa, Saligao, Bardez - Goa	Member
DR. KAUSTUBH PRIOLKAR Professor, Department of Physics, Goa University, Taleigao Plateau, Goa	Member
DR. SUNIL PAUL Assistant Professor, Indian Institute of Technology Goa, Farmagudi, Ponda, Goa	Member
SHRI. YASHVIT NAIK Goa Technology Association, Goa	Member
SHRI. SHREEDHAR BEVARA CEO, BMR Innovations, Vishakapatnam, Andhra Pradesh	Member

2.3 THE CONSTITUTION OF THE BOARDS

H/L

No. 3-191/2011/STE-DIR/702
Office of the Director/Ex-Officio, Jt. Secy
(S&T&WM)
Dept. of Sci. Tech. & Waste Management .
Porvorim - Goa.

Dated: 10/10/2021

ORDER

1. Read Order No. 9/309/2011HI/SInC/1673 dated 4th August 2011.
2. Read Order No. 3-191/2011/STE-DIR/702 dated 12th September 2013.
3. Read Order No.3-191/2011/STE-DIR/725 dated 18th January 2021.

In supersession of the above referred order, Government is pleased to reconstitute the Goa State Innovation Council (GSInC) comprising the following members:

1. Shri Jose Manuel Noronha,Chairman
Bagbhat, Raia, Salcete, Goa
2. Director,Member
Indian Institute of Technology,
Farmagudi, Ponda Goa or his nominee
3. Director,Member
National Institute of Technology,
Farmagudi, Ponda Goa or his nominee
4. Director,Member
National Institute of Oceanography,
Dona Ponda, Goa or his nominee
5. Director,Member
Birla Institute of Technology & Science,
Zuarinagar, Sancoale or his nominee
6. Director,Member
Department of Information Technology,
Government of Goa,
Altinho, Panaji - Goa.
7. Director,Member
Directorate of Higher Education,
Government of Goa,
Porvorim, Goa

10/10/2021

8. Director,Member
 Directorate of Technical Education,
 Government of Goa,
 Porvorim, Goa.
9. Principal,Member
 Goa College of Engineering,
 Farmagudi, Ponda, Goa.
10. Principal,Member
 Don Bosco College of Engineering,
 Fatorda, Goa
11. Shri Shreedhar Bevara, Member
 CEO,
 BMR Innovations,
 Vishakapatnam, Andhra Pradesh
12. Shri D.S. Prashant, Member
 CEO,
 Forum for Innovation, Incubation, Research and Entrepreneurship,
 Fatorda, Goa.
13. Shri Kastubh Priolkar,Member
 Professor, Department of Physics,
 Goa University, Taleigao Plateau, Goa
14. PresidentMember
 Goa Technology Association,
 Ponda, Goa or his nominee
15. Member Secretary, Member
 Goa State Council for Science and Technology
 Department of Science and Technology,
 Government of Goa,
 Saligao, Bardez - Goa.
16. Director, Member Secretary
 Department of Science and Technology & Waste
 Management,
 Government of Goa,
 Saligao, Bardez - Goa.



Following shall be the '**Terms of Reference**' for the council:-

1. Support the Government to promote innovation in Science and Technology and to strengthen the Innovation ecosystem in the State of Goa.
2. Organize seminars, workshops, lectures and symposia on innovation and related areas.
3. Identify, encourage and reward young talent in innovation related to Science and Technology.
4. Map opportunities for innovation in the State of Goa.
5. Assist in identifying and setting up common facility centers for "Robotics and Coding" at educational institutions.
6. Create periodic reports on innovations in the State of Goa.
7. Create and maintain the Council Web portal which includes monitoring and evaluating the Virtual Innovation Register.
8. Organize risk capital and venture capital for young innovators in the State of Goa.
9. Identify High Networth Individuals (HNI) and Angel Investors (AI) and organize periodic "Pitching Sessions" for the innovators of the State with the HNIs and AIs.
10. Engage with the Innovation Community to develop ideas and strategies for the growth of Innovation in the State of Goa.
11. Connect and develop closer linkage between National and State Innovation ecosystems.
12. To provide financial support for prototyping technology based innovative projects/ideas under the Virtual Innovation Register (VIR) to make it affordable for students, startups, innovators, research faculty and entrepreneurs who require necessary support in converting ideas into marketable products.



1/c

The Non Official members of the Council shall be paid sitting fees @ Rs.2000/- per sitting. Outstation Members will be paid TA/DA as per prevalent rules in addition to sitting fees.



(Levinson J. Martins)
**Director (S&T &WM) / Ex-Officio,
Jt. Secretary to Government**

**To,
All the Members.**

Copy to:

1. P.S. to Secretary for Hon'ble Chief Minister, Government of Goa, Secretariat, Porvorim Goa.
2. O.S.D to Hon'ble Minister for Science & Technology & Waste Management, Secretariat, Porvorim Goa.
3. P.S. to Chief Secretary, Government of Goa, Secretariat, Porvorim Goa.
4. P.A to Secretary, Science & Technology & Waste Management, Government of Goa, Secretariat, Porvorim Goa.
5. The Director of Accounts, Panaji Goa.
6. Guard File.
7. Order File.
8. O/c.



CHAPTER 3

MEETINGS OF THE COUNCIL

CHAPTER 3

MEETINGS OF THE COUNCIL

3.1 INTRODUCTION

At the Goa State Innovation Council (GSInC), Council meetings serve as key forums for structured deliberation and informed decision-making. These sessions bring together members to review ongoing initiatives, assess emerging priorities, and define the course of future action with clarity and purpose.

Each meeting reflects a disciplined approach to governance—balancing strategic vision with operational oversight. Discussions span critical areas, including programme implementation, ecosystem development, and the introduction of new initiatives, ensuring that every decision remains aligned with GSInC’s broader mandate of fostering innovation and entrepreneurship within the State.

The continuity and rigour of these engagements play a vital role in strengthening institutional direction. Through collective insight and considered planning, the Council continues to shape a responsive and future-ready innovation ecosystem for Goa.

TABLE: 3.1: LIST OF GOA STATE INNOVATION COUNCIL MEETINGS

SR. NO	PARTICULARS	DATE OF MEETING	VENUE
01	6th General Body Meeting	15th April 2025	Don Bosco College of Engineering, Fatorda
02	7th General Body Meeting	30th July 2025	Don Bosco College of Engineering, Fatorda
03	8th General Body Meeting	15th October 2025	Don Bosco College of Engineering, Fatorda
04	9th General Body Meeting	26th March 2026	Don Bosco College of Engineering, Fatorda

PHOTOGRAPH 3.1: 9TH GENERAL BODY MEETING





CHAPTER 4

COMMITTEES AND SUB-COMMITTEES

CHAPTER 4

COMMITTEES AND SUB-COMMITTEES CONSTITUTED BY THE COUNCIL AND THEIR ACTIVITIES

4.1 INTRODUCTION

Effective governance lies at the heart of a robust innovation ecosystem. To ensure focused deliberation, informed decision-making, and efficient execution of its initiatives, the Goa State Innovation Council has constituted a series of committees and sub-committees.

These bodies bring together domain experts, policymakers, and practitioners to guide key areas of the Council's work—ranging from programme evaluation and policy direction to implementation oversight. By fostering structured collaboration and specialized attention, the Council ensures that its initiatives are both strategically aligned and operationally effective.

4.2 SCHEME TO ENCOURAGE STUDENTS FOR INNOVATIVE PROJECTS

To nurture innovation at an early stage, the Goa State Innovation Council (GSInC) has introduced the Scheme to Encourage Students for Innovative Projects. The initiative is aimed at supporting students in exploring original ideas and translating them into practical, solution-oriented projects.

By providing structured guidance and access to resources, the scheme enables students to move beyond academic concepts and engage with real-world problem-solving. It encourages creativity, independent thinking, and application-driven learning, while also exposing students to the fundamentals of innovation and project development.

Through this initiative, GSInC seeks to build a strong foundation for future innovators by empowering students to experiment, create, and contribute meaningfully to the innovation ecosystem.

Sr. No.	URN	Title
1	GSINC - 2720	VISION-DRIVEN ASSISTIVE COMMUNICATION AND CONTROL USING ELECTROOCULOGRAPHY
2	GSINC - 2784	CHARACTERIZATION AND DEVELOPMENT OF ADDITIVELY MANUFACTURED POROUS BIOMEDICAL IMPLANT OF ANNEALED Ti6Al4V ALLOY
3	GSINC - 2731	MULTI CLASS CLASSIFICATION OF UPPER LIMB MOVEMENTS WITH FILTER BANK TASK-RELATED COMPONENT ANALYSIS
4	GSINC - 2732	AN EEG-BASED FRAMEWORK FOR MENTAL STATE ANALYSIS USING EXPLAINABLE SELF-SUPERVISED MACHINE LEARNING
5	GSINC - 2726	PERFORMANCE ANALYSIS OF AN ELECTRIC DRIVETRAIN IN A RETROFITTED DIESEL FOUR-WHEELER
6	GSINC - 2768	HYBRID MODE AUTONOMOUS WATER PROFILER
7	GSINC - 2683	AI POWERED NOISE CANCELLATION DEVICE FOR URBAN ENVIRONMENTS
8	GSINC - 2736	SMART UNIVERSAL CAMERA GIMBAL
9	GSINC - 2796	PROJECT MAYA
10	GSINC - 2788	SIGN-IFY: A GESTURE CONTROLLED GLOVE FOR THE MUTE AND HEARING IMPAIRED

4.3 STATUS REPORT: SCHEME TO ENCOURAGE STUDENTS FOR INNOVATIVE PROJECTS

During the financial year 2025–26, the Goa State Innovation Council (GSInC) continued to implement the Scheme to Encourage Students for Innovative Projects through a structured evaluation and selection process led by the designated Selection Committee.

The Third Selection Committee Meeting was convened on 05th February 2026 at Fatorda, Goa, under the chairmanship of Mr. B. S. Revankar, with participation from domain experts representing research, industry, and the innovation ecosystem. The meeting was duly constituted, and the minutes of the previous (Second) Selection Committee meeting held on 13th December 2024 were reviewed and formally confirmed.

A total of 14 student project proposals were taken up for evaluation during the session. These projects spanned a wide range of domains, including artificial intelligence, biomedical engineering, assistive technologies, electric mobility, and advanced manufacturing—reflecting both technical depth and diversity of innovation among

student participants.

Following a detailed review process, projects were assessed against key parameters such as novelty, usefulness, scalability, and overall innovation approach. Based on this evaluation, the Committee shortlisted 10 projects for support under the scheme. The selected projects demonstrated strong potential in terms of practical application, technological relevance, and scope for further development.

The remaining 4 proposals were not shortlisted, as they did not sufficiently meet the criteria of innovation and scalability at the current stage. The Committee subsequently resolved to place its recommendations before the Chairman of GSInC for further consideration and approval.

The proceedings reflect GSInC's continued commitment to promoting student-led innovation through a transparent, merit-based selection process. By supporting promising ideas at an early stage, the Council aims to encourage students to pursue research-driven, application-oriented projects that contribute meaningfully to the innovation ecosystem.

4.4 GOA RAJYA VIDNYANIK PURASKAR

Recognising and celebrating excellence in innovation is essential to building a culture that values original thought and meaningful contribution. The Goa Rajya Vidnyanik Puraskar (GRVP), instituted by the Goa State Innovation Council (GSInC), honours individuals whose work demonstrates the transformative potential of innovation across sectors.

The award recognises innovators and scientists who have successfully translated ideas into impactful products or processes with real-world application. By acknowledging such contributions, GRVP highlights the role of innovation in addressing societal, environmental, and industrial challenges, while also reinforcing its importance in driving sustainable development.

For the year 2025–26, the Puraskar continues to be conferred across key categories such as Innovation, Environment, and Societal Impact, reflecting a broad and inclusive approach to recognising excellence. Each award carries a grant of ₹2,00,000, along with formal recognition by the State, thereby enhancing the visibility and credibility of the awardees.

Beyond recognition, GRVP serves as a catalyst for inspiration—encouraging innovators, researchers, and entrepreneurs to pursue ideas that create measurable impact. It reinforces GSInC’s commitment to fostering an ecosystem where innovation is not only supported but also celebrated as a cornerstone of progress in Goa.

4.5 STATUS REPORT: GOA RAJYA VIDNYANIK PURASKAR (GRVP) 2025–26

During the financial year 2025–26, the Goa State Innovation Council (GSInC) progressed with the implementation of the Goa Rajya Vidnyanik Puraskar (GRVP) through a structured, multi-stage evaluation process involving the Technical Advisory Committee (TAC) and the Expert Committee (EC).

The process commenced with a Technical Advisory Committee meeting held on 16th December 2025, wherein applications received under the scheme were reviewed and shortlisted for further evaluation. Following this, shortlisted applicants were invited to present their work before the Expert Committee.

The Expert Committee meeting was convened on 20th January 2026 at the FiiRE Building, Don Bosco College of Engineering, Fatorda, Goa, under the chairmanship of Dr. Satish R. Shetye, Former Vice-Chancellor of Goa University and Former Director, National Institute of Oceanography. The Committee also included Mr. Pranay Gupta, Founder, 91ventures, and Dr. Sampatrao Dagu Manjare, Department of Chemical Engineering, BITS Pilani, K K Birla Goa Campus.

A total of 11 applications, shortlisted by the TAC, were presented before the Expert Committee in a structured format. Each applicant was allotted a defined time slot to present their innovation, followed by evaluation based on parameters such as originality, relevance, impact, and applicability.

Following detailed presentations and deliberations, the Committee identified one application as meeting the required standards for the award. Dr. Judith Maria Braganca was shortlisted under the Environment category, with her work demonstrating strong alignment with the scheme's criteria.

The Committee noted that no applications under the Innovation and Societal Impact categories met the eligibility standards for the current cycle, and therefore, no recommendations were made under these categories.

The recommendation of the Expert Committee was subsequently resolved to be placed before the Chairman of GSInC for final consideration. The process reflects GSInC's commitment to maintaining high standards of evaluation, ensuring that recognition under GRVP is conferred on work that demonstrates clear merit, relevance, and impact.



CHAPTER 5

***VIRTUAL INNOVATION
REGISTER (VIR)***

CHAPTER 5

VIRTUAL INNOVATION REGISTER

5.1 INTRODUCTION

Innovation begins with an idea—but its true value lies in its ability to evolve, adapt, and create meaningful impact. With this understanding, the Goa State Innovation Council (GSInC) established the Virtual Innovation Register (VIR) as a structured digital platform to capture, support, and advance innovative thinking across the State.

Goa has been at the centre stage of innovation for over a decade and a half, thanks to the determined strategic initiatives taken by the state machinery with consistency and pragmatism. Over the years, the awareness and inclination towards building innovative products and services have increased manifold amongst the people of the state; as a result, more and more people are trying to build innovative solutions. However, many did not have access to a platform where they could verify the uniqueness of their ideas or safeguard their innovations. With the launch of VIR, innovators can now list their unique ideas digitally, safeguarding them against theft or plagiarism.

The VIR serves as a comprehensive repository of ideas, solutions, and emerging ventures, offering innovators a credible and accessible space to document and develop their concepts. In an increasingly dynamic and technology-driven environment, the platform addresses a critical need—bridging the gap between ideation and real-world application through a systematic and future-ready framework.

Designed to support innovators at various stages of their journey, VIR enables entrepreneurs, researchers, and students to formally register their ideas, refine their approach, and gain visibility within the broader innovation ecosystem. The platform facilitates access to mentorship, expert validation, and potential collaborations, ensuring that promising concepts are nurtured with both direction and purpose.

Beyond its role as a registry, VIR functions as an ecosystem enabler. By curating innovations across sectors, it fosters knowledge exchange, encourages interdisciplinary collaboration, and opens pathways to funding and commercialisation. It creates opportunities for innovators to engage with industry stakeholders, mentors, and investors, thereby accelerating the transition from concept to market-ready solutions.

Importantly, VIR also contributes to safeguarding intellectual effort by providing a documented trail of innovation, while simultaneously strengthening the State's innovation landscape through structured data and insights. It reflects GSInC's commitment to building an environment where ideas are not only encouraged but also systematically supported and scaled.

As Goa continues to position itself within the broader innovation and entrepreneurship ecosystem, VIR stands as a key institutional initiative—enabling creativity, facilitating opportunity, and reinforcing a culture of sustained innovation.

How VIR Empowers Innovators & Startups

The Virtual Innovation Register (VIR), an initiative of the Goa State Innovation Council (GSInC), is designed to provide structured support to innovators and startups, enabling them to move forward with confidence, clarity, and credibility. Its key enablers include:

- **Intellectual Property Safeguarding:**

Registration on VIR establishes a formal record of original ideas, offering innovators a recognised layer of protection within the framework of Intellectual Property Rights (IPR), and reinforcing ownership and authenticity.

- **Expert-Led Validation:**

Each submission undergoes a systematic evaluation by domain experts, assessing critical parameters such as feasibility, scalability, and practical applicability, thereby strengthening the viability of the idea.

- **Seamless Digital Access:**

The platform enables a fully digital registration process, allowing innovators to submit and manage their ideas with ease—ensuring accessibility, efficiency, and minimal procedural barriers.

- **Structured Innovation Pathways:**

VIR provides clearly defined categories—New Ideas for early-stage concepts and Startups for developed ventures—ensuring that innovators receive relevant guidance and support aligned with their stage of development.

Benefits of Enlisting New Ideas under VIR:

- **Protection of Intellectual Effort:**

Establishes formal recognition of original ideas, helping safeguard intellectual property and reinforce ownership.

- **Commercialisation Support:**

Provides guidance and strategic support to help innovators refine, position, and translate their concepts into viable market opportunities.

- **Access to Pitching Platforms:**

Enables innovators to present their ideas to potential buyers, investors, and stakeholders, creating pathways for collaboration and growth.

Advantages of Enrolling Your Start-up with VIR:

- Engage with a network of mentors and experienced professionals through collaborative partnerships
- Access guidance and support in identifying and securing funding opportunities for your venture
- Benefit from a range of resources, including incubation support, co-founder matchmaking, and other enablement services

Since its inception in 2018, the Virtual Innovation Register (VIR), an initiative of the Goa State Innovation Council (GSInC), has played a significant role in advancing innovation and entrepreneurship across the State. It has contributed meaningfully to strengthening Goa's startup ecosystem by providing a structured platform for idea validation and venture development.

As of date, the VIR hosts a total of 2550 registered innovative ideas and 150 startups, reflecting both the growing engagement of the innovation community and the platform's continued relevance as a catalyst for early-stage innovation.

5.2 SCHEME FOR PATENT FILING UNDER VIRTUAL INNOVATION REGISTER (VIR)

Securing intellectual property at the right stage is essential for ensuring that innovation translates into long-term value. Recognising that early-stage innovators often face constraints in navigating the patenting process, the Goa State Innovation Council (GSInC) has introduced a dedicated Scheme for Patent Filing under the Virtual Innovation Register (VIR).

The scheme is designed to support students, researchers, startups, and independent innovators in protecting their ideas through the filing of provisional patents. By offering financial assistance and facilitating access to empanelled patent professionals, GSInC aims to simplify the process and reduce the barriers associated with intellectual property protection. An applicant under this Scheme shall be eligible for support of up to Rs. 10,000 for filing a provisional patent application through the aforesaid patent agents/ firms.

Integrated with the Virtual Innovation Register, the scheme provides a structured pathway for innovators to progress from idea registration to formal protection. It not only encourages the documentation and safeguarding of original ideas but also strengthens the foundation for further development, commercialisation, and scaling. Through this initiative, GSInC continues to promote a culture where innovation is systematically nurtured and protected—ensuring that promising ideas are not only created but also secured for future growth and impact.

5.3 - SCHEME TO ENCOURAGE STUDENTS FOR INNOVATIVE PROJECTS

Recognising that many promising ideas remain unrealised due to a lack of financial support, the Goa State Innovation Council (GSInC) has introduced the Scheme to Encourage Students for Innovative Projects to bridge this critical gap. The initiative is specifically designed to make innovation more accessible to students by enabling them to convert their ideas into tangible, working projects.

Under this scheme, GSInC provides targeted financial assistance to support early-stage project development, helping students move beyond conceptual thinking into practical implementation. A maximum of **10 student projects are supported each year**, with funding of up to **₹50,000 per project**, ensuring that deserving ideas receive the necessary backing to take shape.

The scheme encourages students to engage with real-world challenges, apply their academic learning, and develop solutions that demonstrate innovation, usability, and potential for scale. By lowering financial barriers and creating structured support, GSInC aims to foster a culture of experimentation and problem-solving within educational institutions.

Through this initiative, GSInC continues to strengthen the foundation of student-led innovation in Goa—enabling young minds to transform ideas into meaningful outcomes and take their first steps towards research, entrepreneurship, and technology-driven impact.

5.4 - SCHEME FOR GOA RAJYA VIDNYANIK PURASKAR (GRVP)

The Goa Rajya Vidnyanik Puraskar (GRVP) has been instituted by the Goa State Innovation Council (GSInC) to recognise and celebrate individuals whose work exemplifies the transformative potential of innovation. The award seeks to identify and honour innovators and scientists who have successfully translated ideas into impactful products or processes that contribute meaningfully to society.

Conferred annually, the Puraskar acknowledges contributions that demonstrate not only originality but also practical relevance—particularly innovations that are already adopted or show strong potential for implementation within the State of Goa. In doing so, the award reinforces the importance of innovation as a driver of progress across sectors.

The scheme is open to individuals or collaborative teams who are permanent residents of Goa for a minimum of 15 years. Each year, three awards are presented under the categories of Innovation, Environment, and Societal Impact, ensuring a broad and inclusive recognition of excellence. Each award carries a grant of ₹2,00,000, along with formal recognition at the State level.

Through GRVP, GSInC continues to foster a culture that values innovation, encourages impactful research, and inspires individuals to develop solutions that address real-world challenges and contribute to the State's overall development.

UNIQUE REG. NO.	NAME	CONTACT	EMAIL	CATEGORY
GRVP/2025-26/004	Dr. Judith Maria Braganca	9325048518	judith@goa.bits-pilani.ac.in	Environment

5.5 STATUS REPORT

During the Financial Year 2025–26, the Virtual Innovation Register (VIR) continued to strengthen its position as a key platform for capturing and nurturing innovative ideas across a wide spectrum of sectors and industries. The year witnessed the registration of several promising and forward-looking startup concepts, reflecting the growing momentum of innovation within the State.

With over 150 new ideas added during the year, the cumulative number of registrations on the VIR has reached an impressive total of 2,550. This steady growth underscores the increasing participation of innovators, entrepreneurs, and students, and highlights the effectiveness of VIR as an accessible entry point into Goa’s innovation ecosystem.

The continued expansion of the registry not only demonstrates the vibrancy of idea generation in the State but also reinforces GSInC’s role in identifying and supporting early-stage innovations with the potential to evolve into impactful ventures.



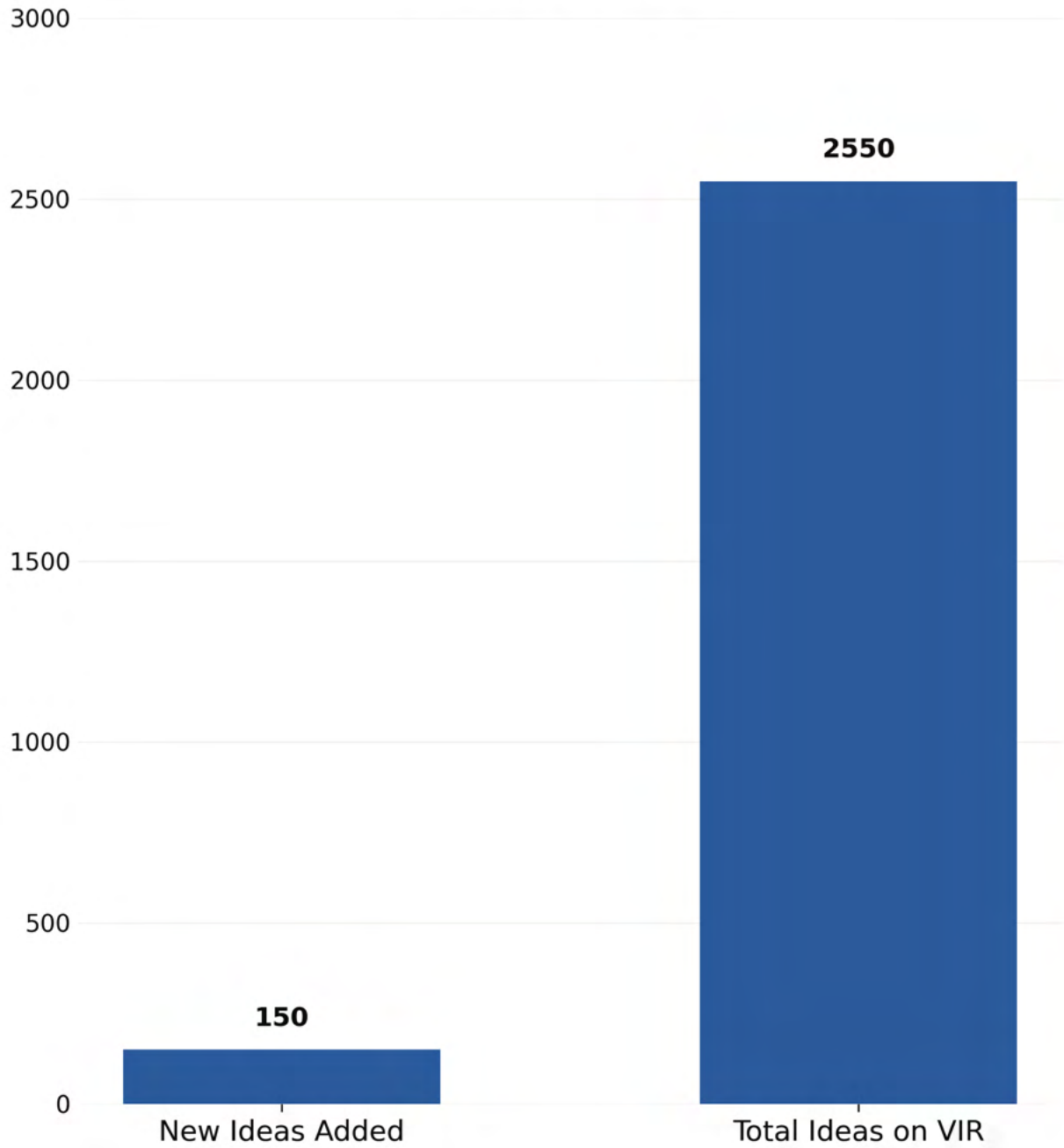
Ideas
2550



Startups
150+

INCIDENTS	2025 - 26
New Ideas Added	150
Total Ideas on VIR	2550

2025 - 26





CHAPTER 6

RAPID PROTOTYPING LAB

CHAPTER 6

RAPID PROTOTYPING LAB

6.1 INTRODUCTION

Prototyping Lab: Where Ideas Take Form

Innovation finds its true expression when ideas are translated into tangible outcomes. The Goa State Innovation Council (GSInC) Prototyping Lab embodies this principle, offering a dedicated space where imagination is shaped into reality. Conceived as a state-of-the-art facility, the lab enables innovators, entrepreneurs, and researchers to move beyond concept and into creation—bridging the critical gap between ideation and execution.

Equipped with advanced tools including 3D printers, CNC machines, laser cutters, and precision instruments, the lab serves as a nucleus of technical capability and creative exploration. It is not merely an infrastructure asset, but a collaborative environment where students, startups, and industry professionals converge to experiment, iterate, and refine their ideas. Supported by experienced mentors, users are guided through each stage of development—from design thinking and material selection to fabrication and testing—ensuring that every prototype is aligned with real-world application.

More than a facility, the GSInC Prototyping Lab represents a strategic enabler for innovation-led growth in Goa. By providing access to technology, expertise, and a culture of collaboration, it fosters a new generation of problem-solvers and enterprise builders. Whether it is a student exploring a breakthrough concept, a startup advancing product development, or an entrepreneur validating an idea, the lab continues to play a pivotal role in transforming intent into impact.

Benefits of the Prototyping Lab

The Goa State Innovation Council (GSInC) Prototyping Lab goes beyond being a functional workspace—it serves as an enabling platform for innovation to take shape and scale. By combining advanced tools, expert mentorship, and a structured environment for experimentation, the lab empowers innovators to develop, test, and refine their ideas with confidence. Through this integrated support system, individuals are able to move more efficiently from concept to prototype, accelerating the journey from early-stage thinking to practical, real-world solutions.

Key Advantages of the Prototyping Lab:

- **Product Concept Validation**

The development of tangible prototypes enables innovators to rigorously test and validate their ideas, ensuring that designs are practical, functional, and aligned with market needs.

- **Cost and Time Efficiency**

Access to advanced resources and expert guidance streamlines the prototyping and testing cycle, helping reduce development costs while accelerating time-to-market.

- **Enabling Customisation and Precision**

The lab offers the flexibility to adapt and refine prototypes to specific requirements, allowing for solutions that are precise, performance-driven, and user-focused.

- **Strengthening Design Integrity**

An iterative prototyping approach allows early identification and correction of design limitations, resulting in more robust, reliable, and well-optimised outcomes.

GSInC invites students, startups, entrepreneurs, researchers, and innovators to leverage the capabilities of its fully equipped Prototyping Lab. Conceived as a space where ideas are translated into tangible outcomes, the lab enables experimentation, fosters creation, and brings the innovation journey to life.

PHOTOGRAPH 6.1: PROMOTIONAL BROCHURE OF GOA STATE INNOVATION COUNCIL

OTHER INITIATIVES OF GOA STATE INNOVATION COUNCIL

1. Sensitisation Workshop in Schools
2. Bootcamp on Innovation in Colleges
3. Industry Institution Interactions
4. Faculty Development Programs
5. Orientation Program for Teachers
6. Women Centric Workshops
7. Intellectual Property Rights Sessions
8. Risk Capital Session on Venture Capital Funding
9. Think Design Prototype Session
10. Design Innovation Session
11. India International Innovation & Invention Exhibition (INEX)
12. Hackathon on Goa Solid Waste Management
13. Hackathon on Defence Innovative Solutions (DISK)
14. Ideathon for Healthcare Technology Innovations
15. Goa's Young Innovator's Award
16. Final Year Student Project Competition



VIRTUAL INNOVATION REGISTER

The Virtual Innovation Register (VIR) offers young innovators a platform to register their ideas and access essential resources and support, enabling them to transform their ideas into successful startups.

SUPPORT OFFERED



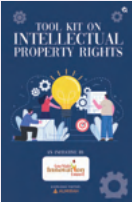
Intellectual Property Rights Support



Support For Commercialization



Pitching To Prospective Buyers




Tool kit on Intellectual Property Rights by Goa State Innovation Council

Now available on




ISBN: 978-81-19263-56-1



Virtual Innovation Register (VIR) was featured in the E-coffee table book on best innovations titled 'Cutting-Edge Transformations', released by the **Hon'ble Prime Minister of India, Shri Narendra Modi**, at the Civil Services Day held on 21st April 2022.



Virtual Innovation Register received the prestigious SKOCH ORDER OF MERIT AWARD 2022.

Goa State Innovation Council
Department of Science, Technology & Waste Management
Government of Goa

Secretariat
Don Bosco College of Engineering, Fatorda, Margao, Goa - 403602
0832 2744 007 | admin@gsic.in
www.goastateinnovationcouncil.com



Patents Granted

17



Prototypes Built

70



Projects Mentored

102



Workshop Conducted

622



Participants Trained

47,427



PROTOTYPING LAB

The Rapid Prototyping Lab is established at Don Bosco College of Engineering, Fatorda by the Goa State Innovation Council to provide innovators from all walks of life with the necessary infrastructure to transform their ideas into tangible models or prototypes.

The Prototyping Lab provides students and makers with a safe, well-equipped, and knowledgeable staff environment in which they can explore how traditional, contemporary, and emergent processes of making advance design. Learners of all backgrounds and capacities can leverage the facility's comprehensive collection of tools and equipment, training and skill-building sessions, and professional staff available to provide support and guidance on the safe and effective use of the resources, as well as design thinking and fabrication strategies.



TECHNOLOGY AT RAPID PROTOTYPING LAB

- Laser Cutting
- Soldering Station
- Drone Manufacturing
- AR/VR
- 3D Printing (FDM & SLA)
- Desktop Vacuum Forming
- Robotics / IOT
- 3D Designing Centre



Workshops Conducted

286



Total Visitors

10,340

SCHEMES

PROVISIONAL PATENT GRANT

RS 10,000/-

An applicant under this scheme shall be eligible for a support of up to Rs. 10,000/- for filing a provisional patent application through the aforesaid patent agents/ firms.

PROTOTYPING GRANT

RS 20,000/-

An applicant under this scheme shall be eligible for a grant of up to Rs. 20,000/- per hardware based project.

SCHEME TO ENCOURAGE INNOVATIVE STUDENT PROJECTS

RS 50,000/-

Scheme to encourage students for innovative projects to make it affordable for students who require the necessary financial support in converting Innovative Ideas into projects.

GOA RAJYA VIDNYANIK PURASKAR (GRVP)

RS 2,00,000/-

Goa Rajya Vidnyanik Puraskar (GRVP) is an award established by the Government of Goa, through the Department of Science & Technology and Waste Management. This initiative aims to identify and honor innovators or scientists who have transformed their ideas into innovations that are positively impacting lives around the globe.

HOW TO APPLY?

To apply for the scheme, Innovators must complete the online application at www.goastateinnovationcouncil.com. Sign up under Virtual Innovation Register (VIR) as a new idea.

6.2 LIST OF EQUIPMENTS

TABLE NO. 6.1: EQUIPMENT AND PROTOTYPING LAB

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
POWER TOOLS			
1	Professional Angle Grinder	Bosch GWS 600 Professional Angle Grinder Disc Diameter 100 mm Grinding Spindle Thread M 10 No Load Speed (rpm) 12000 rpm Rated power input 660 W Width (millimetre) 263 mm Height (millimetre) 95 mm Weight (kilograms) 77 mm Weight 1.5 kg	BOSCH
2	Circular Saw	Bosch GKS 7000 Circular Saw Rated Power Input 1,100 W No-Load Speed 5.200 rpm Weight 3.6 kg Saw Blade Bore Diameter 20 mm Saw Blade Diameter 184 mm Cutting Depth (90°) 65 mm Cutting Depth (45°) 47 mm	BOSCH
3	Smart Drill Kit	Bosch Impact Drill 1G GSB 13 RE Kit, 600 W, Voltage: 230v Impact Drill GSB 13 RE Kit Voltage 230v No Load Speed 0 - 2800 rpm Item Weight 1.6 kgs Power Consumption 600 W Minimum Order Quantity 1 Piece	BOSCH

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
ESSENTIAL TOOLS			
4	Junior Hacksaw	Size: 6 inch	STANLEY
5	Screwdriver set	4pc Screw Driver set: PH1x450, PH2x450mm, 5x450mm, 6x450mm, chrome vanadium steel shaft, chrome plated Ergonomically designed ABS plastic grip handle	STANLEY
6	Micro Chisel Set	Set of 12 Tools for Wood-Carving. Quantity: 12 Tools; Size: 13.5 x 1 cm each (approx.); Material: Steel Blades with Wooden Handles	STANLEY
7	Plier Set	Plier Set - Combination Plier, Needle Nose Plier and Lockin Plier.	STANLEY
8	Hammer Set	Mallet Hammer, 1 Claw Hammer and 1 Ball peen Hammer	STANLEY
9	C Clamp	Material: Steel Colour: Red and Silver Dimensions : 4" Package Content: 3 C or G Clamps	STANLEY
10	C Clamp	Material: Steel Colour: Red and Silver Dimensions: 8" Package Content: 3 C or G Clamps	STANLEY

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
11	Hardened Metric Allen Key Set	Hardness: 52 to 56 HRC(Scientifically hardened) The Allen Keys are Precision Drawn for perfect matching of Allen keys with the screw head Black Allen Keys are specially coated and oiled for rust prevention TAPARIA Allen Keys generally Conform to I.S. 3082 2008 Set Size: Set of 9	STANLEY
12	Combination Spanner	12 Pcs Combination spanner set 6-22mm. chrome vanadium steel combination spanner set 6-22 mm consist of 12 pcs 6-7-8-9-10-11-12-13-14-17-19-22	STANLEY
13	30 Pc Ratcheting Screwdriver set	Package Contains: 30 Pcs, ratcheting screw driver set	STANLEY
14	Baby Vice Clamp	Size (L x B x H): 15.2 cm x 6 cm x 15 cm, Jaw width 60 mm, Jaw opening 70 mm Portable- Can be taken along and used anywhere Net Weight 1.2 KG. Type 60 Mm	STANLEY
15	Swastik Stainless Steel Adjustable Spanner Wrench (8 Inches)	Material: Stainless Steel, Colour: Black Item Dimension: 21 cm x 11 cm x 9 cm Precision marked scale indicate correct jaw opening Heat treated adjustable chrome finish spanner Package Contents: 1 Piece Adjustable Spanner	STANLEY

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
16	Hot Melt Glue Gun	Power input - 220-240V AC, 50Hz	STANLEY
17	Measuring Tape 5meters	Material: Plastic and Aluminium Colour: Grey and Blue Size (L x B x H): Tape: 9 cm x 3 cm x 7 cm; Level: 3 cm x 3 cm x 5 cm Included Components: 1 Spirit Level & 1 Measuring Tape	STANLEY
18	Digital Tester	Direct Detection: 12V - 220V AC/DC live objects through LCD display	STANLEY
19	Digital Multimeter	Jaw Size: 50mm or 2.0 inch Tests AC or DC voltage, AC current and resistance Diode check and continuity test ,Data hold Fuse and Diode Protection and Voltage Measurement Includes carry case and 9v battery Multimeter Ammeter tester	STANLEY
20	46 In 1 Pcs Tool Kit & Screwdriver and Socket Set	Inch Socket Combination 46Pcs Set Diy Repair Tool Kit Model:2462 is suitable for professionals, technicians . The multi function drilling machine can be used to make holes on walls, concrete, metal, wood and plastic. Fix your picture frames, paintings, hangers, lightings etc. without any hassles	STANLEY

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
3D PRINTERS			
1	Flashforge Adventurer 3 3D Printer	Print Technology Fused Filament Fabrication (FFF), Fused Deposition Modeling (FDM) File Format Supported STL Connectivity USB, Wifi, Ethernet Build Size (L*W*H Inches) 150L x 150W x 150H mm Condition New Weight (Kg) 9kg Filament Diameter 1.75mm Resolution 0.1mm-0.3mm (Adjustable) Automatic Grade/Machine Type Automatic Colour White Extruder Quantity 1 Layer Thickness 0.1mm-0.3mm (Adjustable) Nozzle Temperature 245 degree celcius Operating System Windows 7/10/Mac OS X, Linux Printing Technology Fused Deposition Modelling Technology Fused Deposition Modelling Color White Brand Flashforge Warranty 1 Year Material Polyamide (PLA), Nylon, ABS, Polypropylene (PP) Print Accuracy 0.1mm-0.3mm (Adjustable) Software Supporting FlashPrint Product Dimension 388 x 380 x 405mm Heated Bed Temperature Upto 100 degree celcius	Creality

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
2	Ender 6	Build Size - 250 x 250 x 400 mm Technology - FDM Nozzle Diameters - 0.4mm Max. Nozzle Temp - 260°C Max. Print Bed Temp - 110°C Printing Materials - PLA, TPU, ABS,PETG,CF Supported files - STL, OBJ, G-Code Machine size - 495 x 495 x 650 cm	Creality
3	Sermoon D1	Printing Size - 280*260*310mm Molding Tech - FDM Slice Thickness - 0.1mm-0.4mm Nozzle Diameter - Standard 0.4mm *7820.4mm Precision - +0.1mm Filament - PLA File Format - STL/OBJ/AMF File Transfer - USB/Storage card Slice Software - Reality Slicer/Cura/ Repetier-Host/ Simplify3D Bed Temp - <100°C Nozzle Temp - <260°C Speed - <180mm/s,Normal E30-60mm/s	Creality
4	Creality CR10 Max	Printing Size - 250*250*400mm Molding Tech - FDM Slice Thickness - 0.1mm-0.4mm Nozzle Diameter - Standard Precision - +0.1mm Filament - 1.75mm PLA File Format - STL/OBJ/AMF Slice Software - Reality Slicer/Cura/Repetier-Host/ Simplify3D Bed Temp - <100°C Nozzle Temp - <260°C Printing Speed - 120-150mm/s	Creality

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
5	Creality Ender 3 Pro	Build Size - 220*220*250mm Technology - FDM Nozzle Diameters - 0.4mm Max. Nozzle Temp - 255°C Max. Print Bed Temp - 110°C Printing Materials - PLA, TPU, ABS Supported files - STL, OBJ, G-Code Machine size - 440*410*465mm	Creality
6	Creality Ender 3 Pro		
7	Mayku Forming Machine	Products Type - Blister Materials Applicable - HIPS Automation Grade - Semi-Automatic Max Forming Depth - 120-150 mm Max Forming Area - 220 by 220 mm	Creality
8	Creality Ender 3 V2	Build Size - 220*220*250mm Technology - FDM Nozzle Diameters - 0.4mm Max. Nozzle Temp - 260°C Max. Print Bed Temp - 100°C Printing Materials - PLA, TPU, ABS, PETG Supported files - STL, OBJ, G-Code Machine size - 475*470*620mm	Creality
9	Creality Ender 3 V2		
10	Creality Ender 3 V2		
11	Ender 3 S1 PRO	Build Size - 220 x 220 x 270 mm Technology - FDM Nozzle Diameters - 0.4mm Max. Nozzle Temp - 300 °C Max. Print Bed Temp - 110°C Printing Materials - PLA, TPU90-95, ABS, PA Supported files - STL, OBJ, AMF Machine size - 490 x 455 x 625 mm	Creality

SR. NO	LIST OF EQUIPMENT	DESCRIPTION	MAKE/BRAND
LASER CUTTING MACHINE			
1	9060-80W Laser Cutting / Engraving Machine	Laser Type: Hermetic and Detached Co2 Laser Tube Laser Power: 80W Voltage: AC 220V 50Hz Moving System 5 Inch Offline Display, Offline Stepping Motor System Cutting Area: 900 mm X 600 mm Cutting Table: Honeycomb and Aluminous Strip Panel Double Face Working Table Engraving Speed: 50000 mm/min. Repeating: Location Less than 0.05 mm	
DRONE			
1	DJI tello	Dimensions: 98×92.5×41 mm Weight: Approximately 80 g 720p Live View Max Flight Distance: 100m Max Speed: 8m/s Max Flight Time: 13min Max Flight Height: 30m Photo: 5MP Format: JPG(Photo),MP4(Video)	DJI
SOLDERING STATION			
1	Soldering Station	Weight: 1.80kg Dimensions size: 210x125x135mm Power supply voltage: 230V (220-240v) /50Hz Electronic iron power: 48W Regulation range of temperature: 150°C to 450°C	

6.3 PROTOTYPES BUILT AT PROTOTYPING LAB

During the financial year 2025-26, the state-of-the-art Prototyping Lab at the Goa State Innovation Council enabled innovators to translate their ideas into 11 new prototypes. Working closely with the lab's technical team, these individuals combined creativity with focused execution to shape their concepts into tangible outcomes.

Equipped with advanced tools, including a range of 3D printing systems with varied capabilities, the lab supports the development of intricate designs, components, and functional models with efficiency and precision. This robust infrastructure continues to play a vital role in accelerating the journey from concept to creation, bringing innovative ideas closer to real-world application.

TABLE NO: 6.2 LIST OF PROTOTYPES BUILT AT PROTOTYPING LAB

SR. NO.	TITLE OF THE PROJECT
1	Eco-friendly wrist-band duster
2	Basalt Fiber Reinforced epoxy Polymer
3	Low fidelity model of Ai based Traffic control system
4	Suite of robotic bots
5	RFID Based Pill Distribution
6	Design and Fabrication of a Modular Rear Wiper for Vehicles

PROTOTYPE 01

TITLE OF THE PROJECT

ECO-FRIENDLY WRIST-BAND DUSTER



Name of Applicant: _____

Devjyoti baidya

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Salcete Goa

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Contact Email ID: tapasibapi01@gmail.com



Project Objective: _____

To reduce teacher effort of rubbing the board easily and reducing dust allergy and dust exposure which sometimes causes cancer and making a solution which is cost effective, ecofriendly, durable, washable, water resistant , fire resistant , portable and compact.



Abstract: _____

This project proposes a revolutionary, eco-friendly, and cost-effective solution to replace traditional chalkboards, reducing teacher effort and mitigating dust-related health risks, including cancer. Our innovative design incorporates a wrist-band duster made from waste materials, including old cloth and repurposed watch-strap material. The device integrates a mist humidifier to suppress chalk dust, addressing respiratory risks for educators. Built with a biodegradable PLA (Polylactic Acid) casing (derived

from cornstarch and sugarcane), the device is eco-friendly and cost-efficient. The wristband secures with a magnetic clasp for easy wear and features a simple push-switch to activate the humidifier, which effectively traps dust particles. The microfiber sleeve captures residual particles, while the PLA material ensures biodegradability. Water-resistant, fire-retardant (sodium silicate-treated), and washable, this ergonomic design reduces teacher strain and promotes a healthier classroom environment. The wristband costs approximately Rs 10, and the custom-built mist humidifier unit costs Rs 250, making this solution highly affordable.



Project Outcome/ Result/ Finding:

The development of this eco-friendly wrist-band duster with a built-in mist humidifier is expected to significantly reduce teacher exposure to chalk dust, mitigating respiratory health risks and promoting a healthier classroom environment. The use of biodegradable PLA material and waste materials for construction minimises environmental impact, while the affordable pricing (Rs 10 for the wristband and Rs 250 for the humidifier unit) makes it accessible to educational institutions. The innovative design is expected to improve teacher efficiency, reduce absenteeism due to health issues, and contribute to a more sustainable future.



Innovative Approach:

The project adopts a user-centric and sustainability-driven approach by reimagining a routine classroom activity through simple yet effective innovation. Instead of relying on conventional dusters, the solution integrates a wearable wrist-band format that enhances ease of use while reducing physical effort for teachers.

A key differentiator is the integration of a mist humidification mechanism, which actively suppresses chalk dust at the source rather than merely displacing it. This shift from passive cleaning to active dust control directly addresses health concerns associated with prolonged exposure.

The design further emphasises circular and low-cost innovation by utilising waste

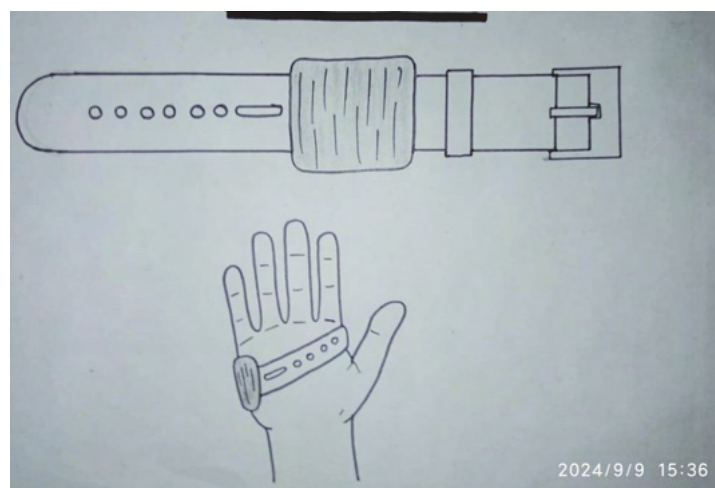
materials such as repurposed cloth and watch-strap components, combined with a biodegradable PLA casing. This ensures that the product remains eco-friendly, affordable, and scalable, without compromising on functionality.

By combining ergonomics, material innovation, and health-focused design, the project presents a practical, cost-effective, and environmentally responsible alternative to traditional classroom cleaning methods.



Photos of the Project/Model:

PHOTOGRAPH 6.2: DESIGN AND DEVELOPMENT OF ECO-FRIENDLY WRIST-BAND DUSTER



PROTOTYPE 02

TITLE OF THE PROJECT

BASALT FIBER REINFORCED POLYMER (BFRP)



Name of Applicant: _____

1. Pawan Sinari
2. Pranav Vengurlekar
3. Aditya Mandal
4. Velencio Dourado
5. Ifham Sayed

Name of School/College/Startup/Organisation:

Don Bosco College Of Engineering

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Project Objective: _____

- To develop Basalt Fiber Reinforced epoxy Polymer (BFRP) composites with varying fiber weight fractions.
- To investigate the influence of nanofiller additions on the properties of Basalt Fiber Reinforced epoxy Polymer composites (BFRP).
- To investigate the influence of fiber surface treatments on the properties of Basalt Fiber Reinforced epoxy Polymer composites (BFRP).
- To characterize/evaluate key mechanical properties such as tensile, flexural and impact experimentally and using FEA.
- To identify specific automotive components (e.g., interior panels, bumpers, underbody shields etc.) where basalt fiber composites can effectively replace glass fiber composites.



Abstract:

The automotive industry is increasingly focused on reducing vehicle weight, improving fuel efficiency, and adopting environmentally sustainable materials without compromising structural performance and safety. Fiber reinforced polymer composites are widely used in automotive components due to their high strength-to-weight ratio. However, conventional materials such as glass fiber reinforced polymers present environmental and recyclability concerns. This project investigates the development and characterization of Basalt Fiber Reinforced Polymer (BFRP) composites as a potential sustainable alternative for automotive applications. In this work, basalt fibre-reinforced epoxy composites were fabricated using a compression molding technique with varying fiber weight fractions. Surface treatments using sodium hydroxide (NaOH) and hydrochloric acid (HCl) were applied to improve fiber-matrix bonding, and the influence of nanofiller additions on composite properties was also considered. The fabricated composites were characterized through mechanical testing, including tensile testing (ASTM D638), flexural testing (ASTM D7264), and impact testing (ISO 179 Charpy test) to evaluate their mechanical performance.

The experimental results are intended to determine key mechanical properties such as tensile strength, flexural strength, stiffness, and impact resistance of the developed composites. The obtained results will be used to assess the feasibility of basalt fiber composites as a replacement for conventional glass fiber composites in automotive components such as interior panels, bumpers, and structural parts.

The study demonstrates the potential of basalt fiber composites as a lightweight, eco-friendly, and high-performance material suitable for future automotive applications.



Project Outcome/ Result/ Finding:

The automotive industry is under increasing pressure to reduce vehicle weight, improve fuel efficiency, and adopt environmentally sustainable materials without compromising safety and performance.

Glass fiber reinforced polymers (GFRPs) are widely used in automotive components due to their good strength-to-weight ratio and cost-effectiveness.

However, they present notable drawbacks, including high energy consumption during production, limited recyclability, and environmental concerns.

Basalt fibers, obtained from natural volcanic rock, present an eco-friendly alternative with superior thermal stability, chemical resistance, and competitive mechanical properties.

Despite these advantages, their application in the automotive sector remains underexplored.

There is a need to systematically develop and characterize basalt fiber reinforced polymer (BFRP) composites and evaluate their mechanical performance to establish their feasibility as a substitute for GFRPs in automobiles.



Innovative Approach:

The project adopts a material innovation-driven approach by positioning basalt fiber reinforced polymer (BFRP) composites as a sustainable alternative to conventional glass fiber systems used in automotive applications. Instead of incremental improvements to existing materials, the study explores a complete material substitution pathway, combining natural basalt fibers with epoxy matrices to achieve a balance of performance, sustainability, and manufacturability.

A key aspect of the approach lies in multi-variable optimisation, where the composite is engineered through controlled variation of fiber weight fractions, incorporation of nanofillers, and targeted surface treatments using NaOH and HCl to enhance fiber-matrix adhesion. This systematic tuning enables the development of composites with improved mechanical properties while maintaining structural integrity.

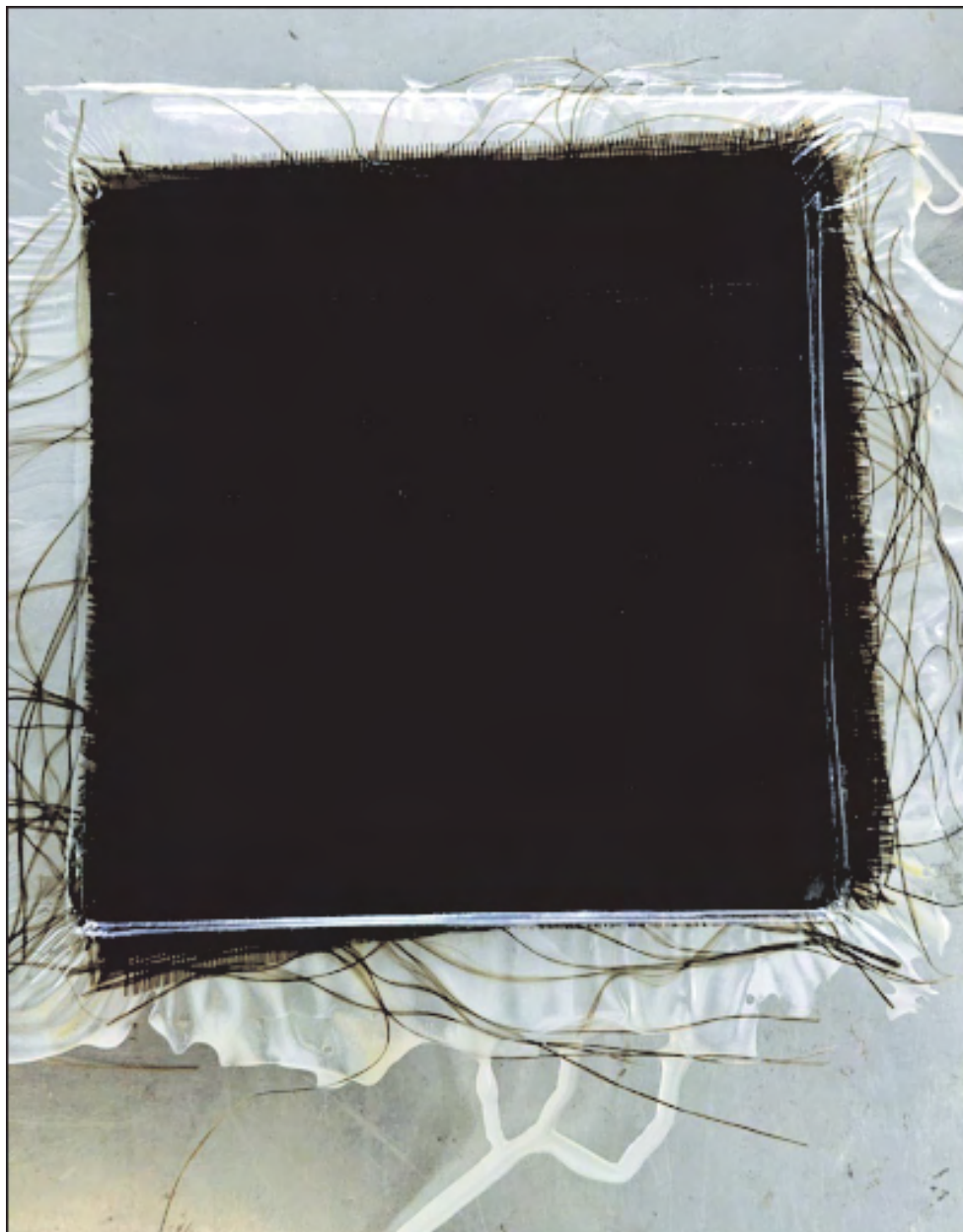
The innovation is further strengthened through the integration of experimental validation with simulation-based analysis (FEA), allowing for accurate prediction and optimisation of performance characteristics such as tensile strength, flexural behaviour, and impact resistance. This dual approach ensures both reliability and scalability of the material for real-world applications.

Importantly, the project is application-oriented, identifying specific automotive components where BFRP can replace traditional materials. By aligning material development with industry use-cases, the approach bridges the gap between laboratory research and practical deployment—offering a pathway towards lighter, more sustainable, and high-performance automotive solutions.



Photos of the Project/Model:

**PHOTOGRAPH 6.3: DESIGN AND DEVELOPMENT OF BASALT FIBER
REINFORCED POLYMER (BFRP)**



PROTOTYPE 03

TITLE OF THE PROJECT

LOW FIDELITY MODEL OF AI BASED TRAFFIC CONTROL SYSTEM



Name of Applicant: _____

Jishan Sinha

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Contact Email ID: jishansinha03@gmail.com



Project Objective: _____

CTI assignment (Low fidelity model of ai based traffic control system)



Abstract: _____

This project presents the design and implementation of a low-fidelity traffic light control system aimed at simulating urban traffic management on a prototype scale. Conventional traffic systems rely on high-cost infrastructure; this model explores the use of accessible components, such as an Arduino UNO (or other microcontroller), LEDs, and resistors, to replicate essential signal phases: Red, Yellow, and Green. The system utilizes a time-based logic algorithm to manage the right-of-way between conflicting directions at a simulated intersection.



Project Outcome/ Result/ Finding:

Low fidelity model of Ai based Traffic control system.



Innovative Approach:

The project adopts a frugal and simulation-driven approach to traffic management by translating a complex, infrastructure-heavy system into a low-cost, scalable prototype model. Instead of replicating full-scale urban traffic systems, the solution focuses on building a functional abstraction using accessible components such as an Arduino-based microcontroller and LED indicators, thereby making experimentation and learning more practical and affordable.

A key aspect of the innovation lies in simplifying traffic control logic into programmable algorithms, enabling dynamic signal sequencing that mimics real-world traffic flow. While the current model operates on time-based logic, it is conceptualised as a foundation for AI-driven adaptability, where traffic patterns could eventually be optimised based on real-time inputs and conditions.

The approach emphasises modularity and extensibility, allowing the system to evolve from a basic prototype into a more intelligent traffic management solution. By combining embedded systems with algorithmic control in a simplified environment, the project creates a testbed for future AI-based traffic optimisation, bridging the gap between conceptual learning and practical application.



Photos of the Project/Model:

PHOTOGRAPH 6.4: DESIGN AND DEVELOPMENT OF AI BASED TRAFFIC CONTROL SYSTEM



PROTOTYPE 04

TITLE OF THE PROJECT

SUIT OF ROBOTICS BOTS



Name of Applicant: _____

Anildev Kamath Sanoor

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Contact Email ID: anildevkamathsanoor29@gmail.com



Project Objective: _____

Design, build, and program a suite of robotic bots that can compete in various challenges, including racing, soccer, sumo wrestling, and line following, with the goal of developing robust, reliable, and efficient robotic platforms that can operate under remote control.



Abstract: _____

We're working on a project to design, build, and program a range of robotic bots that can compete in different challenges, such as racing, soccer, sumo wrestling, and line following. Our goal is to create robust, reliable, and efficient robotic platforms that can be controlled remotely. This project involves designing and building the robots, developing control systems, and programming them to perform specific tasks. The end result will be a set of robotic bots that can compete in various challenges, showcasing their ability to operate effectively under remote control.



Project Outcome/ Result/ Finding:

Students will be able to learn CAD Designing, Manufacturing Building Of Bots, Various Issue Of The Robotic Bots.



Innovative Approach:

The project adopts a multi-platform, challenge-based approach to robotics development, where a single foundational system is adapted to perform across diverse tasks such as racing, soccer, sumo wrestling, and line following. Instead of building isolated solutions, the focus is on creating versatile and modular robotic platforms that can be reconfigured and optimised for different operational requirements.

A key element of the approach lies in the integration of design, fabrication, and programming within a unified workflow. Students engage in end-to-end development—from CAD-based design and component selection to physical assembly and control system programming—ensuring a holistic understanding of robotics systems.

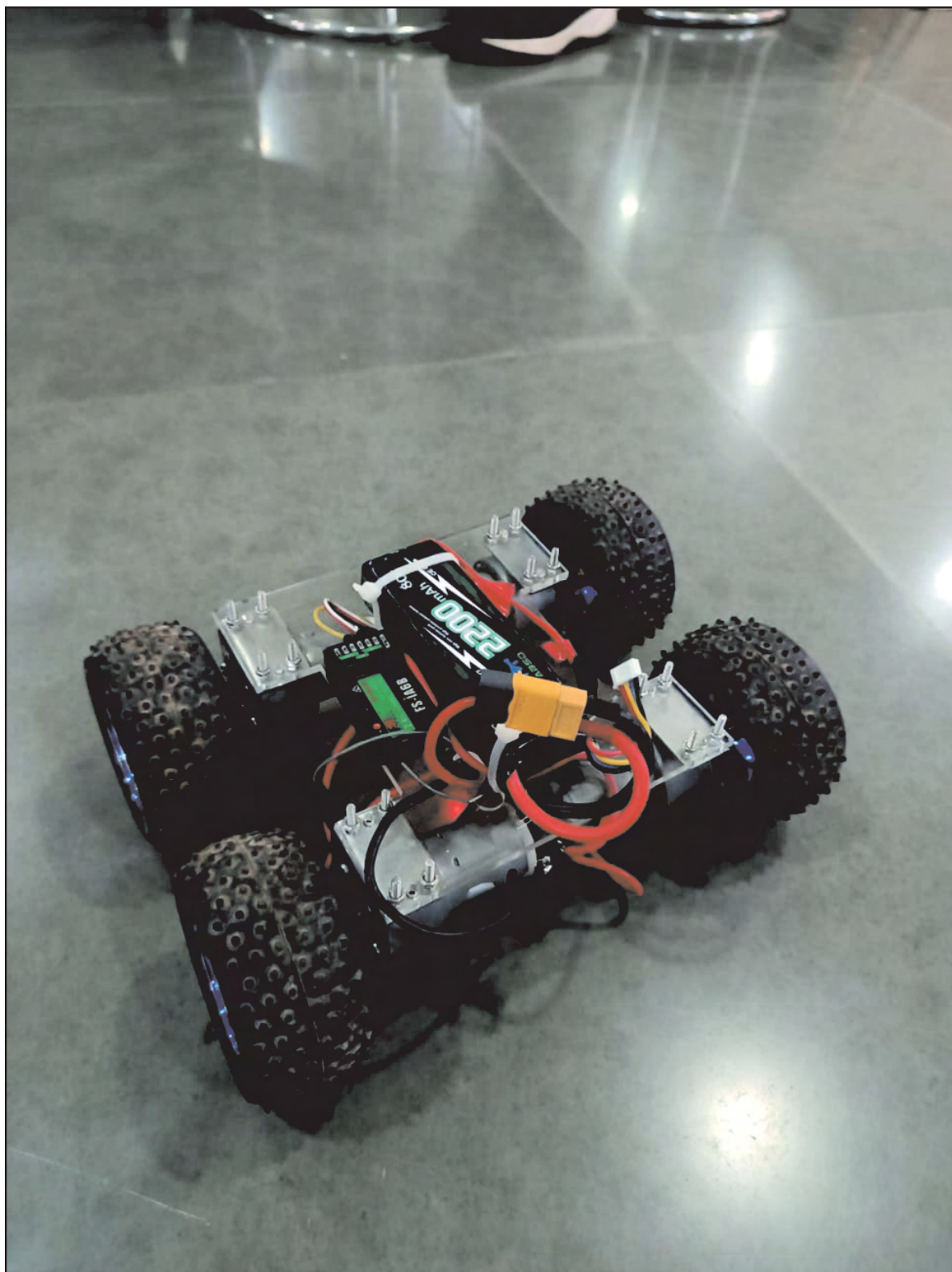
The project also emphasises performance optimisation under real-world constraints, such as speed, stability, manoeuvrability, and responsiveness to remote control inputs. By testing robots in competitive scenarios, the approach enables iterative improvement, helping identify design limitations and refine system efficiency.

Through this combination of modular design, hands-on engineering, and task-driven programming, the project creates a practical and scalable framework for robotics innovation, while building strong technical and problem-solving capabilities among participants.



Photos of the Project/Model:

**PHOTOGRAPH 6.5: DESIGN AND DEVELOPMENT OF SUIT OF
MULTI-FUNCTION ROBOTIC BOTS**



PROTOTYPE 05

TITLE OF THE PROJECT

RFID BASED PILL DISTRIBUTION



Name of Applicant: _____

Piyush alias Varad Mayuresh Vasta

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Project Objective: _____

To design and implement an automated, accurate, and reliable medication distribution system that minimizes human intervention, reduces dispensing errors, and enhances efficiency in the delivery of medical pills.



Abstract: _____

The project centers on developing an RFID-based pill distribution system to demonstrate the practical use of secure technology in medication management. The system includes a dispensing unit integrated with an RFID reader that captures the unique tag of an authorized patient. This information is processed by a microcontroller connected to a mechanical actuator, such as a motor or solenoid, which is linked to the pill compartment. Once the microcontroller verifies the patient's identity and the scheduled time, it activates the mechanism to dispense the appropriate medication.

The project aims to demonstrate how RFID technology can be applied as a reliable and error-free method of medication delivery, while highlighting the potential of smart systems in enabling patient-friendly and secure healthcare solutions. It also showcases the feasibility of automated medication compliance and encourages further exploration of sustainable healthcare approaches.



Project Outcome/ Result/ Finding:

An RFID pill distribution mechanism was developed.



Innovative Approach:

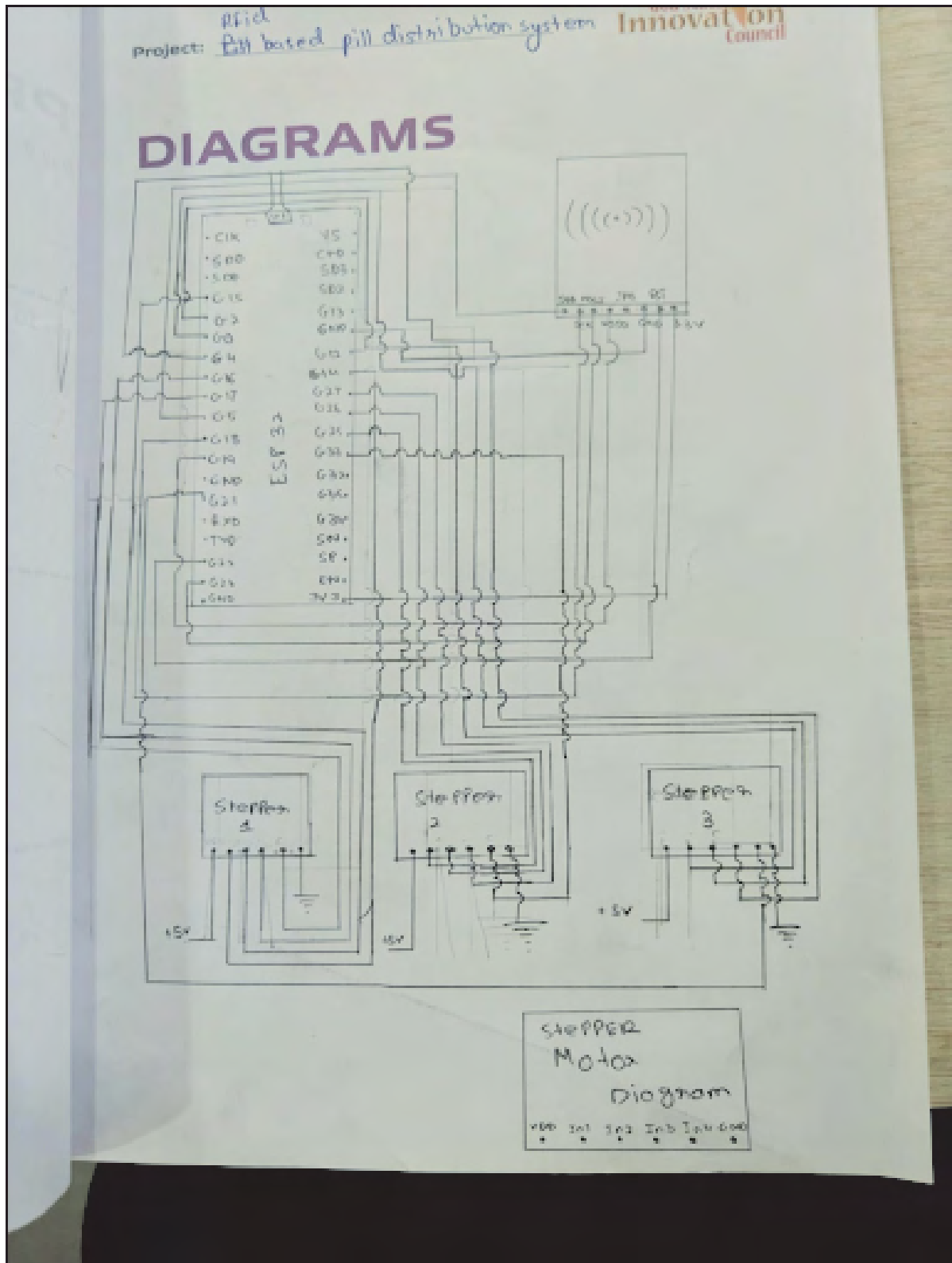
The project adopts a system-driven innovation approach by integrating identification technology, embedded control, and automated dispensing into a unified solution for medication management. It redefines pill distribution as a controlled, data-driven process where access, timing, and delivery are governed by a secure digital framework. At its core, RFID technology enables unique patient authentication, ensuring that medication is dispensed only to authorized individuals and significantly reducing the risk of errors and misuse.

This identification is seamlessly linked to a microcontroller-based decision system that verifies both patient identity and scheduled timing before activating a mechanical dispensing mechanism. The integration of RFID, embedded logic, and actuator-driven delivery eliminates manual intervention, improving precision and efficiency. With a modular and programmable design, the system also offers adaptability across different healthcare settings, highlighting its potential as a scalable and reliable smart healthcare solution.



Photos of the Project/Model:

PHOTOGRAPH 6.6: DESIGN AND DEVELOPMENT OF RFID PILL DISTRIBUTION SOLUTION



PROTOTYPE 06

TITLE OF THE PROJECT

DESIGN AND FABRICATION OF A MODULAR REAR WIPER FOR VEHICLES



Name of Applicant: _____

Prathamesh Chandgadkar

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Contact Email ID: tapasibapi01@gmail.com



Project Objective: _____

The key aim of this project is to conceptualize and develop a modular rear wiper system that caters to the needs of modern vehicles, particularly in the aftermarket segment. The proposed design focuses on ease of use, adaptability, and efficiency, while integrating essential technological advancements.



Abstract: _____

The project, titled 'Design and Fabrication of a Modular Rear Wiper for Vehicles', aims to develop an innovative and cost-effective rear wiper system that can be easily integrated into a wide range of vehicles. The objective is to reintroduce this crucial safety feature in a modular format that not only reduces manufacturing and installation costs but also offers enhanced performance and adaptability.



Project Outcome/ Result/ Finding:

The modular approach ensures that the system can be adapted to a wide variety of vehicles without requiring major design modifications, making it highly versatile for both new installations and retrofitting purposes. The fabricated prototype demonstrates reliable wiping performance, improved visibility under adverse weather conditions, and optimized power consumption. Additionally, the design emphasizes cost-effectiveness, ease of maintenance, and space efficiency, making it a practical solution for large-scale implementation.



Innovative Approach:

The project adopts a modular design approach to address the limitations of conventional rear wiper systems, particularly their lack of adaptability across different vehicle models. Instead of a fixed, vehicle-specific design, the system is reimagined as a flexible unit that can be easily installed, replaced, or retrofitted, making it especially relevant for the aftermarket segment.

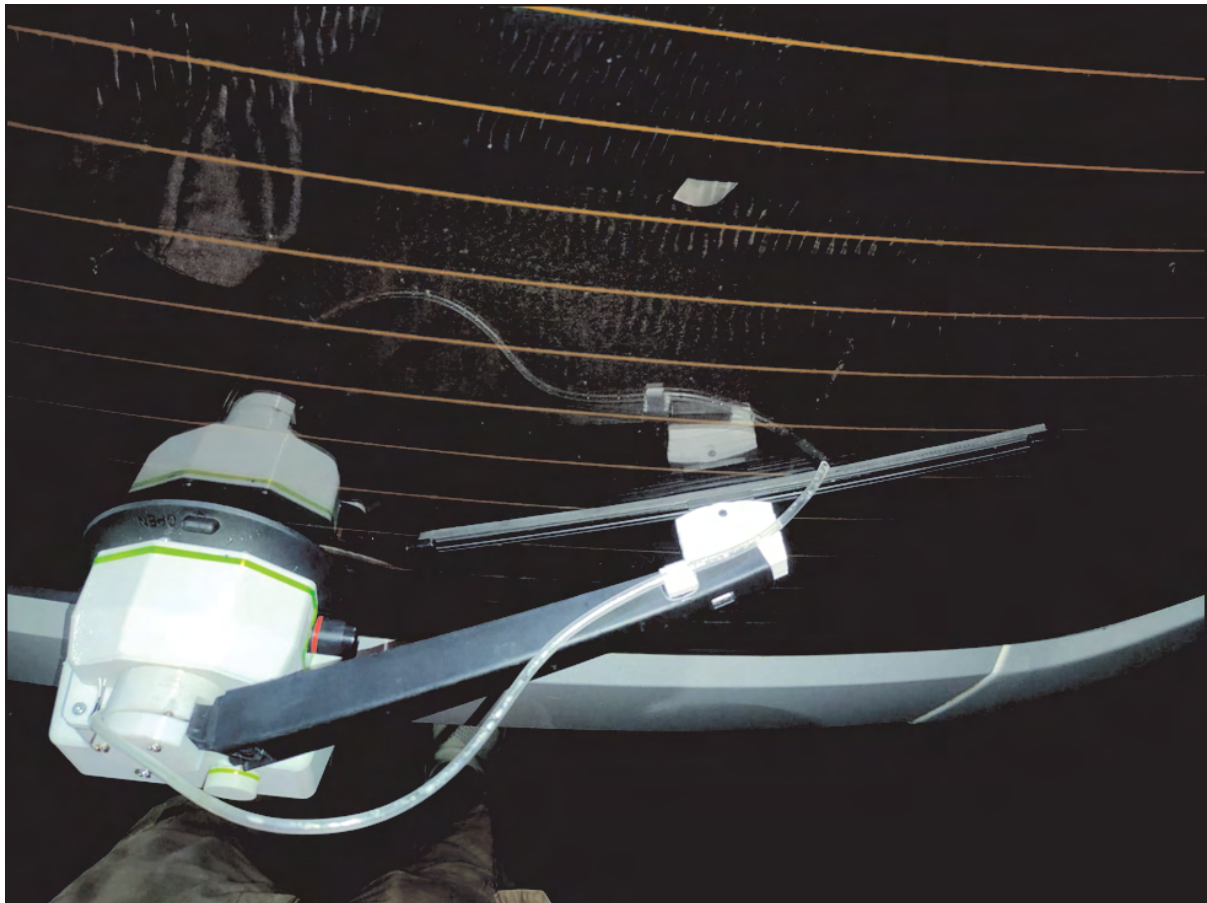
The innovation lies in combining simplicity with functionality—developing a compact, standardized mechanism that integrates seamlessly with varying vehicle structures without requiring major modifications. This approach reduces installation complexity and cost while maintaining reliable wiping performance and efficient power usage.

By focusing on ease of use, space efficiency, and maintenance, the project presents a practical and scalable solution that enhances vehicle safety and accessibility, while supporting broader adoption through its adaptable and cost-effective design.



Photos of the Project/Model:

**PHOTOGRAPH 6.7: DESIGN AND DEVELOPMENT OF DESIGN AND
FABRICATION OF A MODULAR REAR WIPER FOR VEHICLES**



6.4 STATUS REPORT: RAPID PROTOTYPING LAB

The Rapid Prototyping Lab continued to serve as a vital component of Goa's innovation ecosystem during the financial year 2025-26, providing students, innovators, educators, startups, and institutions with access to tools, technologies, and technical guidance required to transform ideas into tangible prototypes. Established with the objective of fostering hands-on learning and encouraging innovation-led problem solving, the Lab functions as a platform where creativity, design thinking, and technology converge to facilitate experimentation and product development.

Throughout the year, the Lab witnessed significant engagement from educational institutions across the State through the Think Design & Prototype Workshops, which introduced participants to the principles of design thinking, rapid prototyping, digital fabrication, and innovation-driven product development. The workshops provided participants with practical exposure to prototyping technologies and enabled them to understand the journey from ideation to physical realisation.

During the reporting period, 58 Think Design & Prototype Workshops were conducted across schools, colleges, higher secondary institutions, polytechnics, Industrial Training Institutes (ITIs), and faculty groups, benefiting a total of 1,960 participants. The workshops focused on stimulating creativity, encouraging scientific inquiry, and familiarising participants with modern prototyping tools and methodologies. Through demonstrations, interactive sessions, and hands-on activities, participants gained valuable insights into how innovative ideas can be conceptualised, refined, and translated into workable models and solutions.

The workshops witnessed participation from a diverse range of institutions including government and private schools, higher secondary schools, engineering colleges, degree colleges, polytechnics, and vocational training institutes across Goa. The programme also extended to educators through dedicated faculty development initiatives, thereby strengthening the capacity of teachers to integrate innovation and design thinking into classroom learning.

Furthermore, a total of six innovative projects were built by students at the Rapid Prototyping Lab at Don Bosco Engineering College, Fatorda. These six innovations were developed under the guidance of the faculty and the lab support team, using the state-of-the-art infrastructure of the facility.

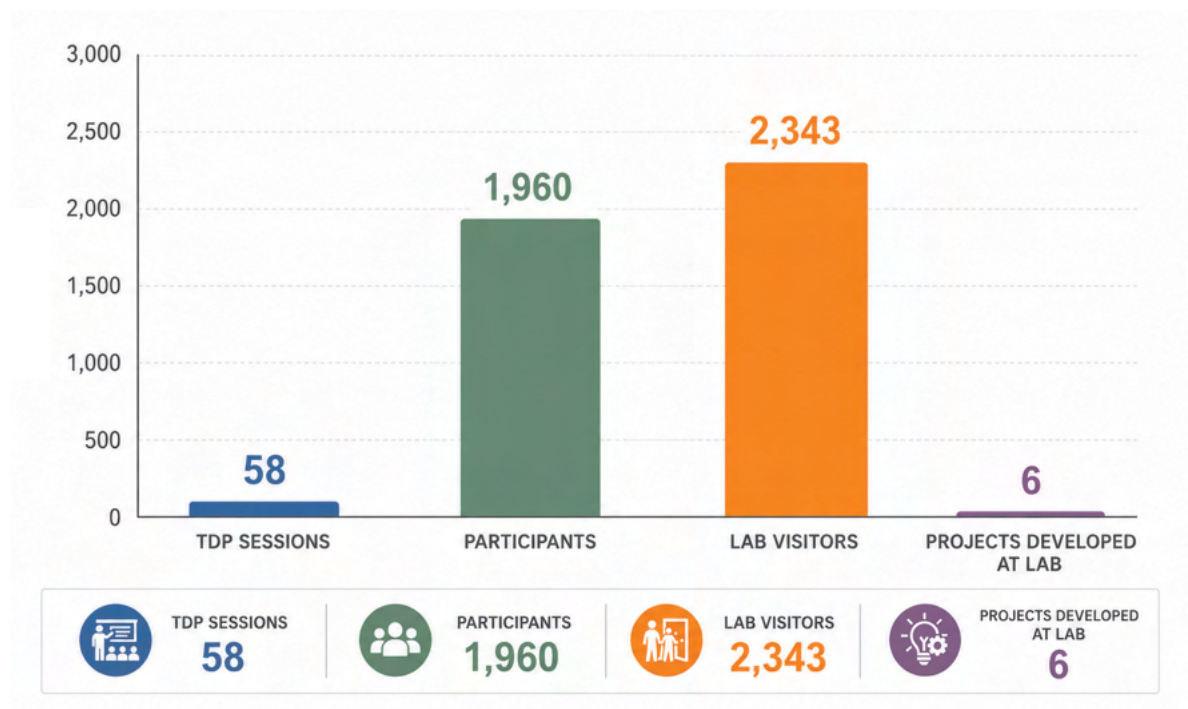
In addition to structured workshops, the Prototyping Lab continued to attract visitors from academia, industry, government departments, startup ecosystems, and innovation networks. During the year, the Lab recorded a total footfall of 2,343 visitors, reflecting its growing importance as a centre for innovation awareness, technology demonstration, and collaborative learning. The facility also hosted several institutional delegations, industry representatives, innovators, and dignitaries who visited the Lab to gain insights into its capabilities and explore opportunities for collaboration.

The continued utilisation of the Prototyping Lab demonstrates GSInC's commitment to creating an environment where innovation is nurtured through experiential learning and practical application. By enabling access to prototyping infrastructure and fostering a culture of experimentation, the Lab continues to play an important role in supporting students and innovators in their journey from concept to creation.

Key Highlights

- Total Visitors to the Prototyping Lab: 2,343
- Think Design & Prototype Workshops Conducted: 58
- Total Workshop Participants: 1,960
- Engagement with schools, colleges, higher secondary institutions, polytechnics, ITIs, and faculty members across Goa
- Hands-on exposure to design thinking, rapid prototyping, innovation methodologies, and product development processes
- Continued utilisation of the Lab by students, educators, innovators, industry representatives, and institutional delegations

The sustained participation witnessed during the year reflects the growing interest in innovation-led learning and reinforces the Prototyping Lab's role as a key enabler of creativity, experimentation, and technology-driven innovation in Goa.



EQUIPMENT UTILIZED
3D Printing
Laser Cutting Machine

TABLE NO. 6.3: LIST OF THINK DESIGN PROTOTYPE - STEM SESSIONS

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
1	4/11/2025	Mahatma Gandhi Centenary High School, Bandora	40
2	4/11/2025	Keerti Vidhyalaya, Siolim	21
3	5/5/2025	College/School Teachers	25
4	5/6/2025	College/School Teachers	25
5	5/7/2025	College/School Teachers	25
6	5/8/2025	College/School Teachers	25
7	5/9/2025	College/School Teachers	25
8	6/26/2025	Govt High School, Morpila, Quepem	30
9	6/30/2025	Divine Mercy School, Mapusa	23
10	7/2/2025	Dnyan Prasarak Vidyalaya School, Mapusa	31
11	7/3/2025	St. Aloysius High School, Diwadi, Divar	42

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
12	7/7/2025	Manovikas English School, Borda, Margao	30
13	7/9/2025	Posh English High School, Navelim	21
14	7/11/2025	Manovikas English School, Borda, Margao	29
15	7/14/2025	Manovikas English School, Borda, Margao	30
16	7/16/2025	Manovikas English School, Borda, Margao	30
17	7/18/2025	Manovikas English School, Borda, Margao	30
18	7/21/2025	Government High School, Bicholim	31
19	7/23/2025	Dnyan Prasarak Vidyalaya School, Mapusa	32
20	7/25/2025	Cuncolim United High School, Cuncolim	40
21	7/28/2025	Kalyan Ashram Goa's Panchasheel English High School, Ponda	26
22	7/30/2025	Holy Cross Institute Cavelossim	40
23	8/4/2025	St. Joseph High School, Shiroda	34

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
24	8/7/2025	Govt High School, Keri	32
25	8/8/2025	Govt High School, Namoshiri, Guirim	33
26	8/11/2025	Holy Spirit High School, Margao	60
27	8/13/2025	St. Joseph Institute, Vasco	42
28	8/20/2025	Govt High School, New Vaddem, Vasco	38
29	8/21/2025	Govt High School, Mangor Hill, Vasco	40
30	8/22/2025	St. Alloysius High School, Benaullim	40
31	8/25/2025	Holy Rosary High School, Nuvem	28
32	9/3/2025	Batkar English Model High School, Margao	10
33	9/4/2025	Govt Higher Secondary School, Baina, Vasco	30
34	9/17/2025	Govt High School, Baina, Vasco	40
35	9/22/2025	Government High School, Sadar, Ponda	36

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
36	9/23/2025	Rosary High School, Cujira, Bambolim	25
37	9/24/2025	St. Marys of Angels, Chinchinim	40
38	9/26/2025	St. Marys of Angels, Chinchinim	40
39	9/30/2025	Vidya Vikas Higher Secondary School, Margao	25
40	10/6/2025	CES College Cuncolim	35
41	10/7/2025	Multifaculty College, Dharbandora	35
42	10/10/2025	Little Preprimary School, Fatorda	49
43	10/15/2025	Government College, Sanquelim	55
44	11/27/2025	Sharda English School, Kadamba	24
45	12/8/2025	Progress High School, Sankhli	40
46	12/9/2025	Progress High School, Sankhli	40
47	12/15/2025	Our Lady of Rosary High School, Fatorda	40

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
48	12/16/2025	St. Jude High School, Betalbatim	40
49	12/18/2025	Govt High School, Davorlim	27
50	1/12/2026	Chowgule College of Arts & Science	40
51	1/21/2026	Fr. Agnel College, Pilar	40
52	1/28/2026	St. Xavier's Higher Secondary School, Mapusa	40
53	2/2/2026	Govt College of Arts, Science and Commerce, Quepem	40
54	2/10/2026	Govt High School, Paddi	40
55	2/11/2026	Govt college of Arts and Commerce, Borda	40
56	2/16/2026	Sharda English School, Marcela	40
57	2/24/2026	Fr. Agnel Polytechnic, Verna	27
58	3/31/2026	ITI Margao	24
TOTAL			1960

PHOTOGRAPH 6.8: VISIT OF SHRI PAWAN VIJ, DIRECTOR – OPERATIONS, PUTZMEISTER INDIA, TO THE GSI_{IN}C PROTOTYPING LAB DURING TEKFE_{ST} 2.0, DON BOSCO COLLEGE OF ENGINEERING, FATORDA (24 APRIL 2025)



PHOTOGRAPH 6.9: INTRIGUED AND EXCITED PARENTS AND STUDENTS LEARN ABOUT THE RAPID PROTOTYPING LAB EQUIPMENT AND CAPABILITIES



**PHOTOGRAPH 6.10: INDUSTRY DELEGATION VISIT TO THE GSInC
PROTOTYPING LAB, DON BOSCO COLLEGE OF ENGINEERING, FATORDA
(27 JUNE 2025)**



**PHOTOGRAPH 6.11: DR. SNEHA GITTE (IAS), DIRECTOR OF THE
DEPARTMENT OF SCIENCE, TECHNOLOGY AND WASTE MANAGEMENT
FOR THE GOVERNMENT OF GOA, ADDRESSES STUDENTS**



PHOTOGRAPH 6.12: DELEGATES FROM THE DEPARTMENT OF SCIENCE AND TECHNOLOGY GOA VISITED THE LAB



PHOTOGRAPH 6.13: TEAM OF POLISH DELEGATES VISITED THE PROTOTYPING LAB AT DBCE IN NOVEMBER 2025 TO STRENGTHEN STARTUP TIES BETWEEN THE TWO NATIONS





PHOTOGRAPH 6.14: DIGNITARIES ADDRESS STUDENTS ON INNOVATION AND ENTREPRENEURSHIP AND CORPORATE DELEGATES VISIT THE PROTOTYPING LAB FOR STRONGER INDUSTRY-ACADEMIA TIES



PHOTOGRAPH 6.15: REPRESENTATIVES FROM CABE SPRINGS & FASTENERS INDIA PVT LTD VISITED THE PROTOTYPING LAB ON 22ND APRIL 2025



PHOTOGRAPH 6.16: FOREIGN VISITORS ON A TOUR OF THE RAPID PROTOTYPING LAB AT THE DON BOSCO ENGINEERING COLLEGE IN JANUARY 2026



**PHOTOGRAPH 6.17: COLLEGE STUDENTS INTRIGUED BY THE
PROTOTYPING LAB CAPABILITIES**





CHAPTER 7

GOA'S YOUNG

INNOVATORS AWARD

CHAPTER 7

GOA'S YOUNG INNOVATORS AWARD

7.1 INTRODUCTION

The Goa State Innovation Council (GSInC), functioning under the Department of Science, Technology & Waste Management, Government of Goa, announced the Goa's Young Innovator's Award (GYIA) 2025-26. The initiative is designed to provide a meaningful platform for school students across the State to showcase innovative ideas and solutions that address real-world challenges.

GYIA seeks to nurture a spirit of curiosity and problem-solving among young minds, encouraging students to think creatively and develop original concepts with practical relevance. In this journey, teachers play a pivotal role as facilitators and mentors, guiding students in refining their ideas and translating them into structured, impactful presentations.

Submissions are assessed on key parameters, including originality, usability, and practical applicability of the proposed innovation. Students from schools across Goa are invited to participate by submitting their applications online through the official portal: www.goastateinnovationcouncil.com/initiatives/GYIA.

The competition is open to students in two categories:

Category 1 : Students studying in Classes VIII to IX

Category 2 : Students studying in Classes V to VII

Each category will have the following cash prizes:

1st Prize : ₹20,000/-

2nd Prize : ₹10,000/-

3rd Prize : ₹5,000/-

Additionally, selected winners are provided with mentorship support and access to innovation infrastructure to further develop their ideas.

Competition Timeline

SR. NO.	ACTIVITY	DATE
1	Last Date to Apply	29th Nov 2025
2	Final Presentation & Exhibition	19th Feb 2026
3	Winners Announcement	19th Feb 2026

7.2 LAUNCH OF GOA'S YOUNG INNOVATOR'S AWARD 2025-26

During the financial year, the Goa State Innovation Council (GSInC), under the Department of Science, Technology & Waste Management, Government of Goa, formally announced the launch of the Goa's Young Innovator's Award (GYIA) 2025-26, marking the commencement of the State's flagship school-level innovation programme for the year.

The launch signalled the opening of applications and set in motion a statewide outreach effort aimed at encouraging participation from schools across Goa. Through coordinated communication and dissemination of programme details via its official digital platforms, GSInC ensured wide visibility of the initiative and facilitated a seamless application process for students and institutions.

The announcement also established key timelines for the competition cycle, including the schedule for submission of entries and subsequent evaluation, thereby providing a structured framework for participation. Schools were encouraged to mobilise students and actively engage in the programme, reinforcing GSInC's focus on early-stage innovation exposure and institutional involvement.

In addition, the launch reaffirmed GSInC's continued emphasis on integrating mentorship, prototyping support, and guided development pathways for shortlisted participants—ensuring that promising ideas emerging from the competition are further nurtured beyond the submission stage.

The rollout of GYIA 2025–26 reflects GSInC's sustained efforts to build a strong pipeline of young innovators by creating accessible platforms, structured engagement, and opportunities for idea development at the school level.

PHOTOGRAPH 7.1: BROCHURE FOR GOA'S YOUNG INNOVATOR'S AWARD 2025-26

WHAT IS THE AWARD? (IN EACH CATEGORY)

FIRST PRIZE	₹ 20,000
SECOND PRIZE	₹ 10,000
THIRD PRIZE	₹ 5,000

In addition to the awards in each category, the winner will be provided with the following:

- a) Mentoring Support
- b) Support in Prototyping
- c) Support in Commercialisation

WHAT IS THE PROCESS OF PROJECT SUBMISSION?

To Submit your applications online, kindly visit:
www.goastateinnovationcouncil.com/initiatives/GYIA



Last date to Apply:
29th November 2025

Scan the QR



GOA STATE INNOVATION COUNCIL
 Department of Science & Technology
 SECRETARIAT
 Don Bosco College of Engineering, Fatorda, Margao, Goa - 403602
 0832-2740007 | admin@gsic.in
www.goastateinnovationcouncil.com



COMPETITION FOR GOA'S YOUNG INNOVATOR'S AWARD 2025-26



Goa's Young Innovator's Award 2024-25

WHAT IS INNOVATION?

Innovation can simply be described as a new idea, device or method which is useful and scalable to appropriate levels. It should have certain distinctiveness over existing similar products / devices / methods and which helps to improve output or efficiency, enables multi functionality and reduces drudgery.

WHY IS INNOVATION NECESSARY?

Innovation is necessary not only to maintain competitive advantage but growth and development of institutions, industries and countries in a global world.

It improves products, processes and services, and thereby, the quality of life of people.

WHY ARE WE PROMOTING CREATIVITY AND INNOVATION IN CHILDREN?

Creativity among children is almost in-born. Every child is creative. The spirit of originality, creativity and innovation among our children has to be promoted. This will be helpful when they become leaders of our society in future, ensuring an imaginative, inclusive future for the country fuelled by innovation, inclusive development of our society needs opportunities for children so as to ensure an aversion to inertia and a reverence for innovative ways of solving problems. Creative, impatient and imaginative children are one of the most precious assets of the nation.

ABOUT GSInC

OBJECTIVES

- Drive the innovation agenda in the State and harness the core competencies, local talent, resources and capabilities to create new opportunities.
- Support the State Government to promote innovation in the State.
- Encourage young talent in local universities, colleges, medium and small scale industries (MSME) and R&D institutes.
- Map opportunities for innovation in the State. Identify and reward talent in innovation and disseminate success stories.
- Organise seminars, lectures, workshops on innovation.
- Create the State innovation portal to educate and drive awareness on innovation.
- Provide input into the Innovation Roadmap for the State.

Creating an innovation movement with the involvement and commitment of people at all levels which is critical for solving challenges of inclusion in our society and to set India on the path of inclusive growth and sustainable development.

WHO CAN PARTICIPATE? Students between the age group of 10-15 years and studying in standard V-IX will be eligible for participation.

CATEGORY 1 - Students studying from standard VIII to IX

CATEGORY 2 - Students studying from standard V to VII

IS THERE ANY LIMIT TO THE NUMBER OF PROJECTS SUBMITTED BY A SCHOOL?

No, the schools are encouraged to submit as many projects as they wish.

CAN STUDENTS OF ALL EDUCATIONAL BOARDS PARTICIPATE? Yes, all the students studying in schools in Goa, irrespective of the Board to which their School is affiliated may participate.

WHAT KIND OF SUBMISSIONS ARE ENCOURAGED?

Children should be encouraged to come up with creative ideas on their own. Parents and teachers may propose a problem to the child to identify a possible solution and then help converting the idea into a prototype/model. Teachers are to ensure that a project submitted to the competition is an original idea so that the competition maintains a high standard.



TABLE 7.1: SCHEDULE FOR THE FINALS - FY 2025-26

SR. NO.	ACTIVITY	TIME
1	Registration and Stall Setup	8:30 AM - 10:00 AM
2	Open to Judges + Open House	10:00 AM - 1:00 PM
3	Lunch Break	1:00 PM - 2:00 PM
4	Open to Judges + Open House	2:00 PM - 3:00 PM
5	Open House	3:00 PM - 4:00 PM
6	Prize Distribution	4:30 PM - 5:00 PM

7.3 STATUS REPORT

TABLE 7.2: WINNERS OF GOA'S YOUNG INNOVATOR'S AWARD 2024-25

CATEGORY 1 (8TH TO 9TH STANDARD)				
	PROJECT TITLE	STUDENT NAME	GUIDE NAME	MENTOR
ENCOURAGEMENT PRIZE	Dust Away Wristband	Master Devjyoti Baidya	Denisa Coutinho	Mae Dos Pobres High School, Nuvem
SECOND PRIZE	Search and Rescue (SAR) system	Master Sylvan Dias	Sofia Fernandes	St. Joseph High School Karai Shiroda Ponda Goa
FIRST PRIZE	AgroTask Master	Master Piyush Naik Dessai	Shivani Prabhudessai	Mahila And Nutan English High School

CATEGORY 2 (5TH TO 7TH STANDARD)				
	PROJECT TITLE	STUDENT NAME	GUIDE NAME	MENTOR
ENCOURAGEMENT PRIZE	LeafGenie: Coconut Leaf Cutter & Cleaner	Master Vedant Sawant	Denisa Coutinho	Mae Dos Pobres High School, Nuvem
SECOND PRIZE	Goa's Green Aid	Miss Ezikia	Purva Kelkar	Sant Xavier Vidyalaya, Pernem
FIRST PRIZE	Paddy Dryer Vacuum	Miss Skyra Barreto	Denisa Coutinho	Mae Dos Pobres High School, Nuvem

PHOTOGRAPH 7.2: WINNERS OF GOA'S YOUNG INNOVATORS AWARD 2025-26



NEWS UPDATE

PIYUSH DESSAI WINS 1ST PRIZE IN CAT-1 AT GYA 2025-26

Master Piyush Naik Dessai of Mahila and Nutan English High School secured First Prize in Category 1 (Std 8th-10th) for his project "AgroTask Master" at the Goa's Young Innovators Award 2025-26, organised by the Goa State Innovation Council. The event was held at Don Bosco College of Engineering on Friday, honouring innovative student talent across the state.

www.goanewshub.com

TASHI Tashi at Benaulim
For reservations: 9226244988



NEWS UPDATE

SYLVAN DIAS SECURES 2ND PRIZE IN CAT-1 AT GYA 2025-26

Master Sylvan Dias of St. Joseph High School, Karai-Shiroda, Ponda, won Second Prize in Category 1 (Std 8th-10th) for his project "Search and Rescue (SAR) System" at the Goa's Young Innovators Award 2025-26, organised by the Goa State Innovation Council and held at Don Bosco College of Engineering on Friday.

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NEWS UPDATE

DEVJYOTI BAIDYA EARNS ENCOURAGEMENT RECOGNITION IN CAT-1 AT GYA 2025-26

Master Devjyoti Baidya of Mae Dos Pobres High School, Nuvem, received the Encouragement Prize in Category 1 (Std 8th-10th) for his project "Dust Away Wristband" at the Goa's Young Innovators Award 2025-26, organised by the Goa State Innovation Council. The awards ceremony was held at Don Bosco College of Engineering on Friday.

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NEWS UPDATE

SKYRA BARRETO TOPS CAT-2 AT GYA 2025-26

Miss Skyra Barreto of Mae Dos Pobres High School, Nuvem, clinched First Prize in Category 2 (Std 5th-7th) for her project "Paddy Dryer Vacuum" at the Goa's Young Innovators Award 2025-26, organised by the Goa State Innovation Council. The programme was held at Don Bosco College of Engineering on Friday.

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NEWS UPDATE

EZIKIA CARVALHO WINS 2ND PRIZE IN CAT-2 AT GYA 2025-26

Miss Ezikia Carvalho of Sant Xavier Vidyalaya, Pernem, secured Second Prize in Category 2 (Std 5th-7th) for her project "Goa's Green Aid" at the Goa's Young Innovators Award 2025-26, organised by the Goa State Innovation Council. The ceremony was held at Don Bosco College of Engineering on Friday.

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NEWS UPDATE

VEDANT SAWANT RECEIVES ENCOURAGEMENT HONOUR IN CAT-2 AT GYA 2025-26

Master Vedant Sawant of Mae Dos Pobres High School, Nuvem, was awarded the Encouragement Prize in Category 2 (Std 5th-7th) for his project "LeafGenie: Coconut Leaf Cutter & Cleaner" at the Goa's Young Innovators Award 2025-26, hosted by the Goa State Innovation Council. The event was held at Don Bosco College of Engineering on Friday.

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**PHOTOGRAPH 7.3: PRIZE DISTRIBUTION GOA'S YOUNG INNOVATORS
AWARD 2025-26**



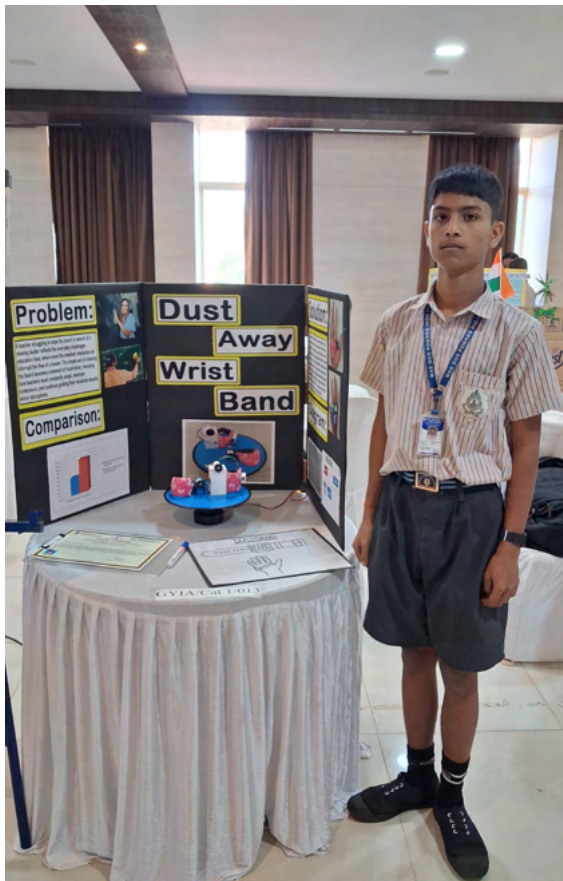




PHOTOGRAPH 7.4: GLIMPSES OF PROJECTS DISPLAYED AT GOA'S YOUNG INNOVATORS AWARD 2025-26







PHOTOGRAPH 7.5: STUDENTS FROM VARIOUS SCHOOLS VISITED THE GOA'S YOUNG INNOVATORS AWARD 2025-26 TOOK PLACE ON FEBRUARY 19 AND 20, 2026, AT THE DON BOSCO COLLEGE OF ENGINEERING IN FATORDA.







CHAPTER 8

***BOOTCAMPS ON
INNOVATION, CREATIVITY
& STARTUPS IN COLLEGES***

CHAPTER 8

BOOTCAMPS ON INNOVATION, CREATIVITY & STARTUPS IN COLLEGES

8.1 INTRODUCTION

As innovation and entrepreneurship increasingly shape the trajectory of modern economies, the need to equip students with practical, future-ready skills has become more critical than ever. While academic learning lays the foundation, the ability to apply knowledge, think independently, and respond to real-world challenges is what ultimately defines readiness in today's dynamic environment.

Recognising this, the Goa State Innovation Council (GSInC) has been actively conducting bootcamps across colleges in the State, focused on innovation, creativity, and startups. These engagements are designed to move beyond conventional learning formats, offering students an opportunity to engage directly with problem-solving, idea development, and structured thinking.

Through these bootcamps, participants are introduced to the fundamentals of identifying opportunities, developing viable solutions, and understanding the journey from idea to enterprise. The sessions emphasise hands-on learning, encouraging students to question assumptions, explore possibilities, and work collaboratively to address practical challenges.

Led by experienced mentors, industry practitioners, and academic experts, the bootcamps provide valuable exposure to the realities of building and scaling ideas in a rapidly evolving landscape. They also serve as an important touchpoint for students to understand the broader support ecosystem available within the State, including pathways for further development and engagement.

By creating these structured platforms, GSInC continues to play a key role in fostering a culture of innovation within academic institutions—encouraging students to think with purpose, act with clarity, and approach challenges with an entrepreneurial mindset.

Schedule:

TABLE: 8.1: SCHEDULE OF BOOTCAMPS ON INNOVATIONS IN COLLEGES

SR. NO.	TOPIC	DURATION
1	Introduction of Goa State Innovation Council & Bootcamp	30 Min
2	How to be a Tech Startup Entrepreneur?	30 Min
3	Process of setting up an Enterprise, Ide-ation, Planning, execution, etc.	45 Min
4	Various Government Funds and Schemes assistance for starting up	45 Min
5	Q & A	15 Min

8.2 STATUS REPORT

Total Sessions: **18**

Total Participants: **1678**

DISTRICTS	NO OF BOOTCAMPS
North Goa	09
South Goa	06
Kushavati	03

DISTRICTS	NO OF PARTICIPANTS
North Goa	1005
South Goa	492
Kushavati	181
TOTAL	1678

Status Report on the Bootcamps on Innovation in Institutes:

During the financial year 2025–26, the Goa State Innovation Council (GSInC) continued its outreach across higher education institutions through a series of structured bootcamps on innovation, creativity, and startups. A total of 15 bootcamps were conducted across engineering and general degree colleges in Goa, creating focused platforms for student engagement and experiential learning.

These sessions were hosted in leading institutions across the State, serving as active centres for discussion, ideation, and exploration. Students participated in interactive modules that combined conceptual inputs with practical exercises, enabling them to better understand emerging technologies, entrepreneurial pathways, and the fundamentals of building scalable ventures.

Each bootcamp was designed to introduce participants to key aspects of innovation and enterprise development. The sessions encouraged students to examine real-world challenges, think critically, and develop structured approaches to problem-solving. In addition, participants were familiarised with various state-supported schemes, grants, and initiatives offered by GSInC, helping them identify avenues for further support and development.

The strong participation levels and continued interest observed across institutions reflect a growing inclination among students towards innovation-led thinking and entrepreneurship. Feedback from participants indicates an increased awareness of startup ecosystems and a willingness to explore ideas beyond the classroom.

Through these sustained efforts, GSInC continues to strengthen the innovation culture within academic institutions, equipping students with the mindset and exposure required to contribute meaningfully to Goa's evolving entrepreneurial landscape.

TABLE 8.2: LIST OF BOOTCAMPS

List of Sessions:

SR. NO.	DATE	NAME OF THE COLLEGE	NO. OF ATTENDEES
1	24/07/2025	Chowgule College of Arts, Science, Margao	100
2	14/08/2025	Dhempe College of Arts and Science, Miramar	20
3	16/08/2025	Rosary College of Arts Science Commerce, Navelim	46
4	21/08/2025	Ganpat Parsekar College, Harmal	450
5	12/09/2025	Don Bosco College of Engineering, Fatorda	50
6	12/09/2025	Goa Multifaculty College, Dharbandora	60
7	13/09/2025	G.V.M.'s G.G.P.R. College of Commerce and Economics, Farmagudi, Ponda	120
8	13/09/2025	Swami Vivekanand VM's College of Commerce, Bori, Ponda	30
9	16/09/2025	Government College, Borda-Margao	100
10	17/09/2025	Fr. Agnel College of Arts & Commerce, Pilar	70
11	23/09/2025	Shree Rayeshwar Institute of Engineering & Technology, Shiroda	126
12	25/09/2025	Government College of Arts, Science & Commerce, Quepem	83

SR. NO.	DATE	NAME OF THE COLLEGE	NO. OF ATTENDEES
13	25/09/2025	Sant Sohirobanath Ambiyé, Govt. College & Research Centre, Virnoda, Pernem, Goa	85
14	26/09/2025	Agnel Institute of Technology & Design, Assagao	97
15	6/10/2025	Padre Conceicao College of Engineering, Verna	70
15	6/10/2025	Government Polytechnic, Curchorem	38
15	14/10/2025	Government College, Sanquelim	85
15	16/10/2025	Government Polytechnic Curchorem	38

PHOTOGRAPH 8.1: DHEMPE COLLEGE OF ARTS AND SCIENCE, 14/08/2025



PHOTOGRAPH 8.2: BOOTCAMP AT HPSM's GANPAT PARSEKAR COLLEGE, ARAMBOL , 21/08/2025



PHOTOGRAPH 8.3: BOOTCAMP AT DON BOSCO COLLEGE OF ENGINEERING, FATORDA , 12/09/2025



**PHOTOGRAPH 8.4: BOOTCAMP AT GOA MULTI FACULTY COLLEGE,
DHARBANDORA , 12/09/2025**



**PHOTOGRAPH 8.5: BOOTCAMP AT GVM'S G.G.P.R COLLEGE ,
PONDA , 13/09/2025**



PHOTOGRAPH 8.6: BOOTCAMP AT SWAMI VIVEKANAND VIDYA PRASARAK MANDALS COLLEGE OF COMMERCE, PONDA, 13/09/2025



PHOTOGRAPH 8.7: BOOTCAMP AT GOVERNMENT MULTIPURPOSE COLLEGE, BORDA , 16/09/2025



PHOTOGRAPH 8.8: BOOTCAMP AT FR. AGNEL COLLEGE OF ARTS & COMMERCE, PILAR, 17/09/2025



PHOTOGRAPH 8.9: BOOTCAMP AT SHREE RAYESHWAR INSTITUTE OF TECH, SHIRODA, 23/09/2025



**PHOTOGRAPH 8.10: BOOTCAMP AT GOVT. COLLEGE OF ARTS, SCIENCE
AND COMMERCE QUEPEM, 25/09/2025**



**PHOTOGRAPH 8.11: BOOTCAMP AT AGNEL INSTITUTE OF TECHNOLOGY &
DESIGN, 06/10/2025**



PHOTOGRAPH 8.12: BOOTCAMP AT GOVT. COLLEGE, PERNEM, 25/09/2025



PHOTOGRAPH 8.13: BOOTCAMP AT PADRE CONCEICAO COLLEGE OF ENGINEERING, VERA 06/10/2025



PHOTOGRAPH 8.14: BOOTCAMP AT GOVT. COLLEGE, PERNEM, 25/09/2025





CHAPTER 9

***SENSITISATION
WORKSHOPS
ON INNOVATION
IN SCHOOLS***

CHAPTER 9

SENSITISATION WORKSHOPS ON INNOVATION IN SCHOOLS

9.1 INTRODUCTION

In an increasingly technology-driven world, the ability to understand, apply, and innovate through science and technology has become fundamental to progress. STEM—Science, Technology, Engineering, and Mathematics—now plays a central role not only in shaping industries but also in addressing complex societal challenges.

Recognising the need to prepare students for this evolving landscape, the Goa State Innovation Council (GSInC) has taken proactive steps to introduce and strengthen STEM learning at the school level. The initiative is focused on developing core competencies such as critical thinking, creativity, problem-solving, collaboration, and curiosity—skills that extend beyond academic learning and are essential for navigating a rapidly changing world.

GSInC works closely with schools across Goa, spanning both government and private institutions, to integrate STEM-oriented learning through practical and engaging formats. By collaborating with incubators, innovation labs, and industry experts, the Council brings real-world perspectives into the classroom, enabling students to connect concepts with application.

Through a series of hands-on workshops, interactive sessions, and exposure-driven programmes, students are encouraged to explore, experiment, and think independently. These efforts have contributed to building a growing culture of curiosity and innovation within schools, with both students and educators actively engaging in the process.

As this initiative continues to expand, GSInC remains focused on fostering a generation

that is not only prepared for the future but capable of shaping it through informed thinking and innovation.

Schedule:

1. Introduction to Session & Virtual Innovation Register
2. Introduction to Innovation, Creativity & Ideation
3. Activity Session on Innovation, Creativity & Prototyping
4. Q&A

9.2 STATUS REPORT: SENSITISATION WORKSHOPS ON INNOVATION IN SCHOOLS

Workshops Conducted: **50**

Total participants: **5431**

		DISTRICT WISE - SESSIONS DATA	DISTRICT WISE - PARTICIPANTS DATA
NORTH GOA		33	3336
SOUTH GOA		15	1987
KUSHAVATI		2	108

DISTRICT	NO. OF WORKSHOPS	PARTICIPANTS
North Goa	33	3336
South Goa	15	1987
Kushavati	2	108
TOTAL	50	5431

Innovation is often sparked by early curiosity, and nurturing this curiosity remains central to the Goa State Innovation Council's (GSInC) approach to building a future-ready generation. Through its continued focus on STEM (Science, Technology, Engineering, and Mathematics) education at the school level, GSInC has expanded its efforts to create meaningful, hands-on learning experiences that encourage exploration, creativity, and problem-solving.

During the financial year 2025–26, GSInC conducted a total of **50 sensitisation workshops**, reaching **5,431 students and educators** across schools in Goa. The sessions were distributed across all districts, with **33 workshops in North Goa (3,336 participants)**, **15 workshops in South Goa (1,987 participants)** and **2 workshops in Kushavati (108 participants)**, ensuring wide geographical coverage and inclusive participation.

These workshops were designed to move beyond conventional classroom learning by introducing students to practical applications of scientific concepts, collaborative exercises, and exposure to emerging technologies. By engaging participants in interactive discussions and real-world problem-solving scenarios, the sessions aimed to strengthen analytical thinking while fostering a deeper interest in innovation.

A key focus of the initiative was to ensure equitable access, with schools across urban centres as well as more remote regions actively included. This approach enabled a diverse group of students to benefit from experiential STEM learning, reinforcing GSInC's commitment to inclusive education. The scale of participation and the response from both students and educators reflect a growing enthusiasm for innovation-led learning within schools. These workshops continue to serve as an important foundation for cultivating curiosity, encouraging experimentation, and positioning STEM as a pathway to future opportunities.

The Road Ahead

The scale and engagement witnessed through these workshops reinforce the importance of cultivating curiosity and creative thinking at the school level. Building on

this momentum, GSInC aims to further expand its outreach in the coming year, with a stronger emphasis on hands-on STEM interventions and deeper engagement across institutions. The Council also intends to strengthen collaborations with educators, industry practitioners, and innovation enablers to create a more cohesive and supportive ecosystem for experiential learning. By integrating practical exposure with guided mentorship, GSInC seeks to make STEM learning more relevant, accessible, and impactful for students across the State.

As these efforts continue to evolve, the focus remains on equipping young learners with the skills, confidence, and mindset required to explore, innovate, and solve real-world challenges. In doing so, GSInC is contributing to the development of a generation that is not only prepared for emerging opportunities but is also capable of shaping Goa's future through innovation and enterprise.

TABLE 9.1 : LIST OF SENSITISATION WORKSHOPS

SR. NO	DATE	SCHOOLS/COLLEGES/INSTITUTIONS	NO. OF ATTENDEES
1	24/06/2025	Dnyan Prasarak Mandal, Mapusa	50
2	25/06/2025	Immaculate Heart of Mary High School, Goa Velha	90
3	26/06/2025	St. Thomas Boys High School, Aldona	100
4	28/06/2025	Chubby Cheeks High School, Porvorim	140
5	28/06/2025	Govt High School, Alto Betim, Porvorim	30
6	30/06/2025	Holy Cross Institute, Quepem	45
7	01/07/2025	Shri Vinayak Gopal Vidyalaya Rawanford, Navelim	80
8	01/07/2025	St Aloysius High School, Diwadi, Divar Island	70
9	01/07/2025	Our Lady of Divar High School, Divar Island	35
10	02/07/2025	Shree Shantadurga Vidhyalaya, Pirna, Bardez	115

SR. NO	DATE	SCHOOLS/COLLEGES/INSTITUTIONS	NO. OF ATTENDEES
11	202/07/2025	Govt High School, Menkurem, Bicholim	95
12	02/07/2025	Manovikas English School, Borda, Margao	150
13	03/07/2025	Divine Mercy English School, Mapusa	25
14	03/07/2025	St. Theresa High School, Candolim	341
15	03/07/2025	Holy Rosary High School, Nuvem	325
16	05/07/2025	Holy Cross High School, Siolim	169
17	05/07/2025	Govt High School, Agarwada, Pernem	46
18	07/07/2025	KAGs Panchasheel English High School, Borim, Ponda	75
19	07/07/2025	MEF's Fatima High School, Ponda	235
20	08/07/2025	St. Aloysius High School, Benaulim	120
21	08/07/2025	Sharda English School, Dhurbhat, Ponda	35
22	08/07/2025	S.W. VD Wagle High School, Mageshi Madol	264
23	08/07/2025	Govt High School, Sadar, Ponda	31
24	09/07/2025	Our Lady of Mount Carmel, Arambol	112
25	09/07/2025	Presentation Convent School, Margao	86
26	10/07/2025	Vidhya Vihar High School, Cortalim	73
27	10/07/2025	Govt High School, New Vaddem	46
28	11/07/2025	Our Lady of Piety High School, Corlem	175
29	11/07/2025	Govt High School Morlem	63
30	11/07/2025	Saviour of the World High School, Benaulim	93

SR. NO	DATE	SCHOOLS/COLLEGES/INSTITUTIONS	NO. OF ATTENDEES
31	14/07/2025	Shri Saraswati High school, Kovlem, Ponda	40
32	14/07/2025	St. Joseph High School, Ponda	130
33	16/07/2025	Government High School Advoi, Sattari	29
34	17/07/2025	Holy Cross Institute, Cavelossim	63
35	18/07/2025	Dattaram Mantravadi Memorial High School, Mapusa	120
36	21/07/2025	Holy Cross School, Bastora, Mapusa	100
37	24/07/2025	PM Shri Namoshiri Girim High School, Mapusa	47
38	28/07/2025	Government High School, Keri, Sattari	145
39	29/07/2025	Municipal High School, Vasco	56
40	30/07/2025	St. Joseph High School, Verna	190
41	31/07/2025	Parsem High School, Parsem, Pernem	106
42	01/08/2025	Govt. High School, Mangor Hill, Vasco	90
43	04/08/2025	St. Anthony High School, Monte de Guirim	137
44	04/08/2025	Green Meadows High School, Nagoa, Calangute	160
45	05/08/2025	St. Anne's High School, Agonda	166
46	06/08/2025	St. Joseph Institute, Vasco	199
47	09/08/2025	Mount Litera Zee School, Zuarinagar	250
48	11/08/2025	St. Andrew High School, Goa Velha	48
49	18/09/2025	Rosary High School, Cujira, Bambolim	20
50	26/09/2025	Sharda English School, Kadamba, Sattari	21
TOTAL			5431

**PHOTOGRAPH 9.1: SENSITISATION WORKSHOPS AT IMMACULATE
HEART OF MARY HIGH SCHOOL, GOA VELHA, 90 STUDENTS, 25/06/2025**



**PHOTOGRAPH 9.2: SENSITISATION WORKSHOPS AT ST. THOMAS
BOYS HIGH SCHOOL, ALDONA, 100 STUDENTS, 26/06/2025**



**PHOTOGRAPH 9.3: SENSITISATION WORKSHOPS AT CHUBBY CHEEKS
HIGH SCHOOL, PORVORIM, 140 STUDENTS, 28/06/2025**



**PHOTOGRAPH 9.4: SENSITISATION WORKSHOPS AT ST. ALOYSIUS HIGH
SCHOOL, DIWADI, DIVAR ISLAND, 70 STUDENTS, 01/07/2025**



PHOTOGRAPH 9.5: SENSITISATION WORKSHOPS AT SHREE SHANTADURGA VIDHYALAYA, PIRNA, 115 STUDENTS, 02/07/2025



PHOTOGRAPH 9.6: SENSITISATION WORKSHOPS AT MANOVIKAS ENGLISH SCHOOL, BORDA, MARGAO, 150 STUDENTS, 02/07/2025



PHOTOGRAPH 9.7: SENSITISATION WORKSHOPS AT ST. THERESA HIGH SCHOOL, CANDOLIM , 341 STUDENTS, 03/07/2025



PHOTOGRAPH 9.8: SENSITISATION WORKSHOPS AT HOLY ROSARY SCHOOL, NUVEM, 325 STUDENTS, 03/07/2025



PHOTOGRAPH 9.9: SENSITISATION WORKSHOPS AT HOLY CROSS HIGH SCHOOL, SIOLIM, 169 STUDENTS, 05/07/2025



PHOTOGRAPH 9.10: SENSITISATION WORKSHOPS AT KAGs PANCHSHEEL ENGLISH SCHOOL, BORIM, PONDA, 75 STUDENTS, 07/07/2025



PHOTOGRAPH 9.11: SENSITISATION WORKSHOPS AT MEFS FATIMA HIGH SCHOOL, NAGAMASJID, PONDA, 235 STUDENTS, 07/07/2025



PHOTOGRAPH 9.12: SENSITISATION WORKSHOPS AT ST. ALOYSIUS SCHOOL, BENAULIM, 120 STUDENTS, 08/07/2025



PHOTOGRAPH 9.13: SENSITISATION WORKSHOPS AT WAGLE HIGH SCHOOL, MANGESHI, MARDOL, 264 STUDENTS, 08/07/2025



PHOTOGRAPH 9.14: SENSITISATION WORKSHOPS AT OUR LADY OF MOUNT CARMEL HIGH SCHOOL, ARAMBOL, 112 STUDENTS, 09/07/2025



**PHOTOGRAPH 9.15: SENSITISATION WORKSHOPS AT OUR LADY OF PIETY
HIGH SCHOOL, COLLEM, 35 STUDENTS, 11/07/2025**



**PHOTOGRAPH 9.16: SENSITISATION WORKSHOPS AT GOVT. HIGH
SCHOOL, MORLEM, 63 STUDENTS, 11/07/2025**



PHOTOGRAPH 9.17: SENSITISATION WORKSHOPS AT SAVIOUR OF THE WORLD HIGH SCHOOL, BENAULIM, 93 STUDENTS, 11/07/2025



PHOTOGRAPH 9.18: SENSITISATION WORKSHOPS AT ST. JOSEPH HIGH SCHOOL, PONDA, 130 STUDENTS, 14/07/2025



**PHOTOGRAPH 9.19: SENSITISATION WORKSHOPS AT HOLY CROSS
INSTITUTE CAVELOSSIM, 63 STUDENTS, 17/07/2025**



**PHOTOGRAPH 9.20: SENSITISATION WORKSHOPS AT DATTARAM
MANTRAVADI MEMORIAL HIGH SCHOOL, MAPUSA, 120 STUDENTS,
18/07/2025**



PHOTOGRAPH 9.21: SENSITISATION WORKSHOPS AT HOLY CROSS SCHOOL, BASTORA, MAPUSA, 100 STUDENTS, 21/07/2025



PHOTOGRAPH 9.22: SENSITISATION WORKSHOPS AT GOVT. HIGH SCHOOL KERI SATTARI, 102 STUDENTS, 28/07/2025





CHAPTER 10

***INTELLECTUAL
PROPERTY RIGHTS***

CHAPTER 10

INTRODUCTION

10.1 INTRODUCTION

Innovation does not end with the creation of an idea—it gains value when it is protected, nurtured, and brought to market with confidence. In today's knowledge-driven economy, Intellectual Property Rights (IPR) serve as a critical bridge between invention and impact, ensuring that originality is not only recognised but also secured.

For innovators, startups, and researchers—often operating with limited resources—the ability to protect their work is fundamental to sustaining growth. Without adequate safeguards, even the most promising ideas risk dilution or replication, limiting their commercial potential and discouraging further innovation. In this context, IPR is not merely a legal framework; it is a strategic enabler that strengthens credibility, attracts investment, and enhances long-term competitiveness.

The Goa State Innovation Council (GSInC) recognises the pivotal role of intellectual property in shaping a resilient and forward-looking innovation ecosystem. By promoting awareness, facilitating access to support mechanisms, and encouraging structured approaches to protection, the Council seeks to empower innovators to secure and scale their ideas with confidence.

As innovation continues to expand across sectors, the relevance of IPR as a business and growth tool becomes increasingly significant. This chapter outlines GSInC's efforts to build awareness, support intellectual property creation, and embed a culture that values and protects innovation across the State.

10.2 INTELLECTUAL PROPERTY RIGHTS SESSIONS

As part of its ongoing efforts to strengthen awareness around Intellectual Property

Rights (IPR), the Goa State Innovation Council (GSInC) conducted a series of focused sessions across educational institutions during the financial year. These engagements were designed to introduce students and faculty to the fundamentals of IPR, highlighting its importance in safeguarding innovation and supporting a competitive, knowledge-driven ecosystem.

Extending its outreach across the State, GSInC organised workshops and training programmes in a wide range of locations, including areas such as Bicholim, Curtorim, and Sanquelim. The sessions were structured to be interactive and accessible, encouraging participants to engage with key concepts, address common misconceptions, and understand the practical relevance of intellectual property in academic, research, and entrepreneurial contexts.

Through these sustained efforts, GSInC continues to deepen awareness of IPR, fostering a more informed and responsible approach to innovation while strengthening the foundation for a robust intellectual property culture in Goa.

10.3 STATUS REPORT

Total session conducted: **9**

Total no of participants: **581**

Status Report: Intellectual Property Rights (IPR) Sessions

During the financial year 2025–26, the Goa State Innovation Council (GSInC) continued its focused efforts to build awareness around Intellectual Property Rights (IPR) through a series of targeted sessions across the State. A total of 10 sessions were conducted, engaging 663 participants from both school and higher education institutions.

These sessions were delivered across a diverse set of locations, including Cortalim, Cujira, Morpirila, Canacona, Nuvem, Ponda, Porvorim, and Quepem, ensuring a balanced outreach across regions. Institutions such as Blessed Joseph Vaz High School, Dr. K.B. Hedgewar Higher Secondary School, Shree Balram Residential High School, Holy Rosary Convent High School, Don Bosco College of Engineering, and Government

College of Arts, Science and Commerce, Quepem were among those that hosted these engagements.

Designed to be interactive and application-oriented, the sessions introduced participants to key aspects of intellectual property, including its role in protecting innovation and its relevance in academic and entrepreneurial pursuits. By engaging both school students and college learners, GSInC ensured early exposure as well as deeper understanding of IPR concepts across different learning stages.

The consistent participation across institutions reflects a growing awareness and interest in intellectual property as an integral component of innovation. Through such initiatives, GSInC continues to strengthen the foundation for a more informed and innovation-conscious ecosystem in Goa.

TABLE 10.1: LIST OF IPR SESSIONS

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
1	16/02/2026	Blessed Jaseph Vaz High School in Cortalim,Goa	50
2	16/02/2026	Dr. K.B. Hedgewar Higher secondary School, Cujira	37
3	17/02/2026	Government High School Morpirla	50
4	17/02/2026	Shree Balram Residential High School, Canacona	52
5	18/02/2026	Holy Rosary Convent High School, Nuvem	120
6	18/02/2026	Gurukul Academy Ponda	45
7	18/02/2026	Don Bosco College of Engineering, Fatorda	100
8	19/02/2026	Triumph High School, Porvorim	45
9	20/02/2026	Govt College of Arts Science and Commerce, Quepem	82
			581

**PHOTOGRAPH 10.1: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT
BLESSED JOSEPH VAZ SCHOOL, SANCOALE-GOA 16/02/2026**



**PHOTOGRAPH 10.2: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT K.B
HEDGEWAR SCHOOL, CUJIRA-GOA 16/02/2026**



**PHOTOGRAPH 10.3: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT
GOVT HIGH SCHOOL, MORPILA-GOA 17/02/2026**



**PHOTOGRAPH 10.4: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT
BALRAM RESIDENTIAL SCHOOL, AMONE COTIGAO-GOA 17/02/2026**



PHOTOGRAPH 10.5: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT HOLY ROSARY SCHOOL, NUVEM-GOA 18/02/2026



PHOTOGRAPH 10.6: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT GURUKUL, PONDA-GOA 18/02/2026



PHOTOGRAPH 10.7: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT DON BOSCO COLLEGE OF ENGINEERING, FATORDA-GOA 18/02/2026



PHOTOGRAPH 10.8: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT TRIUMPH HIGH SCHOOL, PORVORIM-GOA 19/02/2026



**PHOTOGRAPH 10.9: INTELLECTUAL PROPERTY RIGHTS SEMINAR AT
GOVT. COLLEGE OF ARTS & SCIENCE, QUEPEM-GOA 20/02/2026**





CHAPTER 11

***FACULTY DEVELOPMENT
PROGRAM***

CHAPTER 11

FACULTY DEVELOPMENT PROGRAM

11.1 INTRODUCTION

Building Educator Capacity for Innovation and Enterprise

The foundation of a strong innovation ecosystem lies not only in ideas, but in the educators who nurture them. Recognising this, the Goa State Innovation Council (GSInC) has positioned its Faculty Development Programme (FDP) as a key initiative to strengthen the role of educators in shaping entrepreneurial thinking within academic institutions.

The programme is designed to equip faculty members across science and technology institutions with the perspectives, tools, and approaches required to guide students beyond conventional learning. By focusing on applied knowledge, problem-solving, and innovation-led thinking, the FDP enables educators to create classroom environments that encourage curiosity, experimentation, and enterprise.

Conducted across engineering colleges, polytechnic institutes, and other technical institutions, the FDP brings together educators from diverse disciplines, fostering cross-learning and collaboration. The curriculum spans critical areas such as entrepreneurship development, creativity, communication, and structured problem-solving—ensuring that faculty are well-prepared to mentor students navigating an increasingly dynamic and opportunity-driven landscape.

Delivered through interactive sessions, practical workshops, and engagements with industry practitioners and entrepreneurs, the programme emphasises real-world relevance and experiential learning. It seeks to move beyond theory, enabling educators to translate concepts into actionable insights for their students.

Through the Faculty Development Programme, GSInC continues to invest in the enablers of innovation—empowering educators to inspire, mentor, and guide the next generation of thinkers, builders, and entrepreneurs in Goa.

11.2 FACULTY DEVELOPMENT PROGRAMME – I

FACULTY DEVELOPMENT PROGRAM 2025-26 (05–09 May 2025)

Venue: Auditorium, 2nd Floor, Don Bosco College of Engineering, Fatorda

**TABLE 11.1: SCHEDULE FOR THE FACULTY DEVELOPMENT PROGRAM
05–09 MAY 2025**

DATE	TIME	TOPICS
DAY 1 05 May 2025	MORNING SESSION	How to convert an Idea into an Enterprise?
	LUNCH BREAK	
	AFTERNOON SESSION	Creativity and Problem Solving – Activity-Based Learning
DAY 2 06 May 2025	MORNING SESSION	Entrepreneurship Development and Innovation Ecosystems
	LUNCH BREAK	
	AFTERNOON SESSION	Establishing Entrepreneurship Cells in Educational Institutions

DATE	TIME	TOPICS
DAY 3 07 May 2025	MORNING SESSION	Curriculum Development for Entrepreneurship Awareness
	LUNCH BREAK	
	AFTERNOON SESSION	Planning and Development of Entrepreneurship Activities
DAY 4 08 May 2025	MORNING SESSION	Identification and Support of Potential Student Entrepreneurs
	LUNCH BREAK	
	AFTERNOON SESSION	Innovation, Startup Support Mechanisms and Mentoring
DAY 5 09 May 2025	MORNING SESSION	How to Convert an Innovative Ide into a Project
	LUNCH BREAK	
	AFTERNOON SESSION	GSIInC Schemes and Funding Opportunities under the Department of Science & Technology, Government of Goa
	CLOSING SESSION	Valedictory Function and Certificate Distribution Ceremony

11.3 STATUS REPORT

Program Conducted: 01

Total participants: 25

TABLE 11.2: LIST OF PARTICIPANTS FOR THE 1st FACULTY DEVELOPMENT PROGRAM 05–09 May 2025

SR. NO	NAME	CONTACT NO.	EMAIL ADDRESS	INSTITUTE
1	Hiroj Naik	9112089639	hiraj.naik@gmail.com	MES Higher Secondary School
2	Vishal Devidas	9325280166	vishal13devidas@gmail.com	Gouvernement High School, Baina Vasco
3	Aparna Naik	9834651348	naikapama02@gmail.com	Government High School, Sadar
4	Prajakta Gadgil	9405356545	gadgilprajaktaktaaa@gmail.com	Government High School, Sadar
5	Rutvi Rajesh Gaonkar	9404442852	sohani.sonam@gmail.com	Government High School, Sadar
6	Avinash Gaonkar	9405230981	avinashgaonkar26@gmail.com	Government High School, Sadar
7	Akshay Naik	8668568821	erakshay3000@gmail.com	PM ShriSSV Government High School, Kumbharjua
8	Siddhima Parulekar	9764241248	siddhimanaik@gmail.com	Government Technical High School, Panaji Centre
9	Jaymala Lad	9545652218	dantye.jaymala@gmail.com	Gouvernement High School, Bicholim

SR. NO	NAME	CONTACT NO.	EMAIL ADDRESS	INSTITUTE
10	Aditi Shetye	8788437634	aditi.shetye2020@gmail.com	Government Higher Secondary School, Sankhali
11	Ranganath Nagarsenker	9890264516	nagarsenker@gmail.com	Vivekand Higher Secondary School
12	Manoj Naik	9422361416	manojnaik@reddiffmail.com	Smt. CTN Higher Secondary School, Curchorem
13	Swati Kavlekar	9923633599	swati.kavlekar@gmail.com	Fr. Agnel Higher Secondary School, Pilar
14	Varun Malik	8888428550	varunmalikvv@gmail.com	Government High School, Dhaushire
15	Dattraj Phal Dessai	9834458623	dattrajphaldessai@gmail.com	Government High School, Sadar
16	Pradesh Krishna Velip	9545178365	pradesh.velip@gmail.com	Government High School, Sadar
17	Shreevina Naik	9673781234	naikshreevina13@gmail.com	Govvernment High School, Davorlim
18	Mandar Naik	9356880075	mandarnaik05@gmail.com	N.E.I Curchorem

1st Faculty Development Program Status Report

The Goa State Innovation Council (GSInC) organised a five-day Faculty Development Programme from 5th to 9th May 2025 for 25 IT instructors and school teachers from educational institutions across Goa. The programme was designed to strengthen the capacity of educators to foster innovation, creativity, and entrepreneurial thinking among students while promoting a culture of problem-solving and experiential learning within educational institutions.

The programme covered a broad range of themes related to innovation and entrepreneurship, including idea-to-enterprise development, creativity and problem-solving, entrepreneurship promotion, project conceptualisation, and innovation support mechanisms. Participants were introduced to approaches for nurturing innovative thinking among students and were encouraged to adopt pedagogical practices that promote creativity, critical thinking, and solution-oriented learning.

A key focus of the programme was to familiarise educators with the innovation ecosystem and the opportunities available for students and institutions through various government-supported initiatives. Sessions were also conducted on innovation-driven project development, entrepreneurship promotion, and funding opportunities available through the Goa State Innovation Council and the Department of Science & Technology, Government of Goa.

Designed as an interactive and participatory programme, the FDP provided a platform for educators to exchange ideas, share experiences, and explore strategies for integrating innovation and entrepreneurship into academic environments. The programme contributed towards enhancing the ability of educators to mentor students, support innovative projects, and encourage participation in innovation-led initiatives. Through such capacity-building programmes, GSInC continues to empower educators to serve as catalysts of innovation, thereby strengthening the foundation for a vibrant and sustainable innovation ecosystem in Goa.

PHOTOGRAPH 11.1: INAUGURAL SESSION OF THE FDP



PHOTOGRAPH 11.2: DAY 1, SESSION 1 OF THE FDP



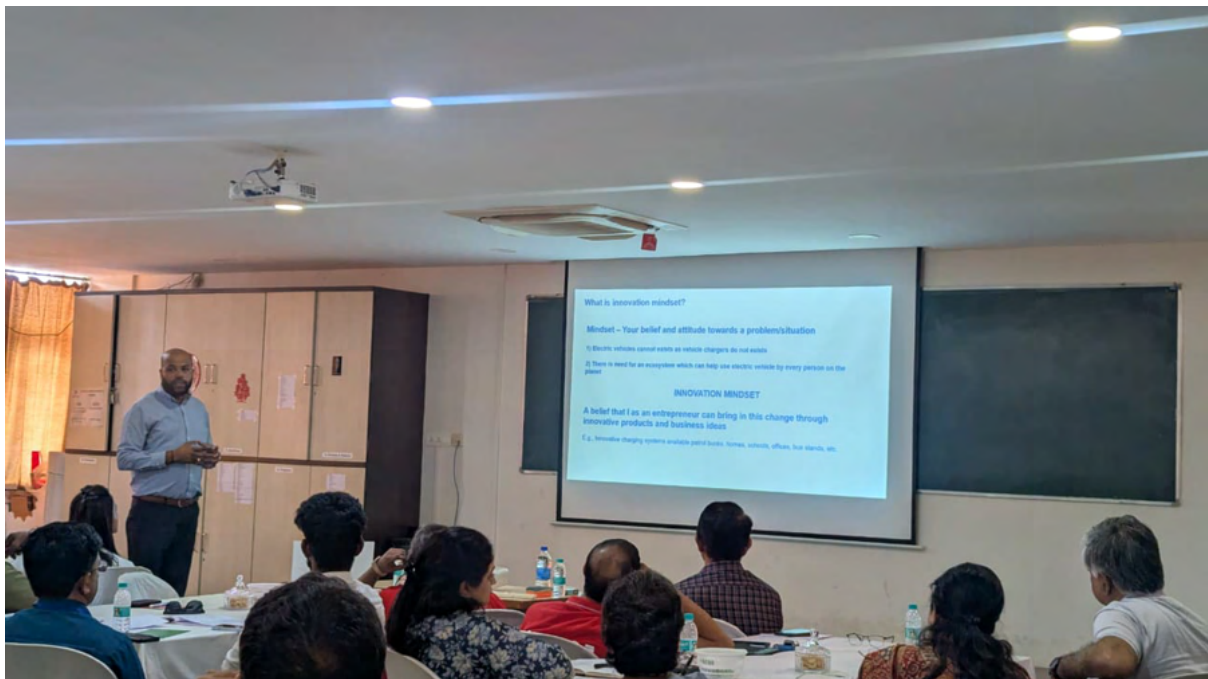
PHOTOGRAPH 11.3: DAY 1, SESSION 2 OF THE FDP



PHOTOGRAPH 11.4: DAY 1, SESSION 3 OF THE FDP



PHOTOGRAPH 11.5: DAY 2, SESSION 1 OF THE FDP



PHOTOGRAPH 11.6: DAY 2, SESSION 2 OF THE FDP



PHOTOGRAPH 11.7: CERTIFICATION & GROUP PICTURES



11.4 FACULTY DEVELOPMENT PROGRAMME – II

FACULTY DEVELOPMENT PROGRAM 2025-26 (23–24 March 2026)

Venue: Auditorium, 2nd Floor, Don Bosco College of Engineering, Fatorda

**TABLE 11.3: SCHEDULE FOR THE FACULTY DEVELOPMENT PROGRAM
23–24 MARCH 2026**

DATE	TIME	TOPICS
23 March 2026	MORNING SESSION	Introduction to Design Thinking and Innovation
	LUNCH BREAK	
	AFTERNOON SESSION	Idea-to-Prototype Workshop at the GSInC Rapid Prototyping Lab
24 March 2026	MORNING SESSION	Hands-on Training on Rapid Prototyping Tools and Technologies
	LUNCH BREAK	
	AFTERNOON SESSION	Prototype Development, Demonstration and Applications
	CLOSING SESSION	Participant Interaction, Feedback and Certificate Distribution

11.5 STATUS REPORT

Program Conducted: 1

Total participants: 54

TABLE 11.4: LIST OF PARTICIPANTS FOR THE 2ND FACULTY DEVELOPMENT PROGRAM 23 -24 MARCH 2026

SR. NO	NAME	CONTACT NO.	EMAIL ADDRESS	INSTITUTE
1	Mayur Gambhir	9158990108	mayur.gambhir@ritgoa.ac.in	RIT, Goa
2	Dr. Nisha Dattaraj Sawant	9096683428	prof.nishasawant@gmail.com	Goa Multi-Faculty College, Dharbandora-Goa
3	Selvyn Custodio Fernandes	7745062106	selvync.fernandes@dbcegoa.ac.in	Don Bosco College of Engineering, Fatorda
4	Dr. Bhanumati Pilli	9405356545	add001@chowgules.ac.in	Chowgule College
5	Dr. Pratiksha Keny	9049666453	docrmarina@gmail.com	Dental College
6	Dr. Clarence Dias	9049666453	docrmarina@gmail.com	Dental College
7	Dr. Liberia D'Souza	9049666453	docrmarina@gmail.com	Dental College
8	Dr. Aradhana Nagarsekar	9049666453	docrmarina@gmail.com	Dental College
9	Dr. Sadhvi Naik	9049666453	docrmarina@gmail.com	Dental College

SR. NO	NAME	CONTACT NO.	EMAIL ADDRESS	INSTITUTE
10	Dr. Dinesh Swamy	9049666453	docrmarina@gmail.com	Dental College
11	Dr. Rashmi Naik	9049666453	docrmarina@gmail.com	Dental College
12	Dr. Edlyn Rodrigues	9049666453	docrmarina@gmail.com	Dental College
13	Dr. Rakshit Khande-parker	9049666453	docrmarina@gmail.com	Dental College
14	Dr. Marina Fernandes	9049666453	docrmarina@gmail.com	Dental College
15	Dr. Rajdeep Pavaskar	9049666453	docrmarina@gmail.com	Dental College
16	Dr. Mayuri Rane	9049666453	docrmarina@gmail.com	Dental College
17	Dr. Kshama Kudch-adkar	9049666453	docrmarina@gmail.com	Dental College
18	Dr. Mang-esh Kakodkar	9049666453	docrmarina@gmail.com	Dental College
19	Dr. Aksha-tha Gadiyar	9049666453	docrmarina@gmail.com	Dental College
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44	Shri. Somnath Chari	8999504320	Echoos11@gmail.com	Vasco Govt. ITI
45	Mrs. Swizel Quadros	9922141027	swizel@ dhempecollege.edu.in	DCT's Dhempe College of Arts & Science,
46	Shri Debasis Patnaik	7875233825	marikesh@goa.bits-pilani.in	BITS PILANI

SR. NO	NAME	CONTACT NO.	EMAIL ADDRESS	INSTITUTE
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Status Report: 2nd Faculty Development Programmes

The Goa State Innovation Council (GSInC) conducted a two-day Faculty Development Programme on 23rd and 24th March 2026, engaging 54 faculty members and educators from institutions across Goa. The programme was organised with the objective of strengthening the role of educators in fostering innovation-led learning and exposing them to emerging tools, technologies, and support systems available within Goa's innovation ecosystem.

A key component of the programme was the participants' engagement with the GSInC Rapid Prototyping Lab, where they were introduced to the facilities, equipment, and processes involved in transforming innovative concepts into tangible prototypes. The sessions provided practical exposure to innovation-oriented learning methodologies and highlighted the importance of hands-on experimentation in developing problem-solving and creative thinking skills among students.

The programme served as a platform for interaction, knowledge sharing, and capacity building, enabling educators to better understand the role of innovation, prototyping, and experiential learning in modern education. Participants were also familiarised with the broader objectives and initiatives of GSInC aimed at nurturing innovation and entrepreneurship among students and young innovators.

Through such programmes, GSInC continues to strengthen institutional capacities and encourage educators to become active facilitators of innovation, thereby contributing to the development of a vibrant culture of creativity, experimentation, and innovation across educational institutions in Goa.

PHOTOGRAPH 11.8: FDP 2





CHAPTER 12

***STEM - THINK DESIGN
PROTOTYPING
WORKSHOPS***

CHAPTER 12

STEM - THINK DESIGN PROTOTYPING WORKSHOPS

12.1 INTRODUCTION

Ideas gain meaning when they are tested, refined, and brought into the real world. At the intersection of STEM learning and innovation lies prototyping—a process that transforms abstract thinking into tangible outcomes. It enables learners to move beyond theory, engage with problems hands-on, and understand how ideas evolve through iteration, feedback, and improvement.

Recognising the importance of this approach, the Goa State Innovation Council (GSInC) has designed the Think-Design-Prototyping Workshops as immersive learning experiences that introduce students to the fundamentals of innovation through practice. These workshops are anchored in the principles of design thinking, encouraging participants to observe, question, experiment, and build—developing solutions that are both practical and relevant.

Conducted at GSInC’s Prototyping Lab at Don Bosco College of Engineering, Fatorda, as well as across schools and colleges in Goa, the workshops provide access to advanced tools and technologies, including 3D printing and laser cutting. More importantly, they create an environment where participants are encouraged to explore ideas without constraint, test assumptions, and refine their concepts through continuous iteration.

The emphasis is not merely on building prototypes, but on understanding the process—how ideas take shape, how challenges are addressed, and how solutions are improved through feedback and experimentation. In doing so, the workshops help cultivate critical thinking, problem-solving, and technical skills that are essential in today’s innovation-driven landscape.

Through these initiatives, GSInC continues to strengthen experiential STEM learning in the State, enabling students to engage actively with innovation and equipping them with the confidence to translate ideas into meaningful outcomes.

12.2 LIST OF WORKSHOPS

As part of its continued efforts to promote experiential learning and innovation-driven thinking, the Goa State Innovation Council (GSInC) conducted a series of STEM Think-Design-Prototyping Workshops across educational institutions in the State during the financial year 2025-26.

These workshops were designed to provide students with hands-on exposure to the principles of design thinking, problem-solving, and prototype development.

Delivered across a diverse set of schools and colleges, the sessions created opportunities for participants to move beyond theoretical learning and actively engage in the process of ideation, design, and execution. Each workshop was structured to encourage curiosity, experimentation, and collaborative learning, enabling students to translate ideas into tangible models.

The following table presents a comprehensive list of workshops conducted during the year, along with details of participating institutions and attendance, reflecting the scale and reach of GSInC's efforts in strengthening STEM-based innovation at the grassroots level.

Total number of sessions conducted: **58**

Total Number of participants: **1960**

TABLE 12.1: LIST OF EDUCATIONAL INSTITUTIONS PARTICIPATING IN STEM - THINK DESIGNING PROTOTYPING WORKSHOPS

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
1	4/11/2025	Mahatma Gandhi Centenary High School, Bandora	40
2	4/11/2025	Keerti Vidhyalaya, Sivolim	21
3	5/5/2025	College/School Teachers	25
4	5/6/2025	College/School Teachers	25
5	5/7/2025	College/School Teachers	25
6	5/8/2025	College/School Teachers	25
7	5/9/2025	College/School Teachers	25
8	6/26/2025	Govt High School, Morpila, Quepem	30
9	6/30/2025	Divine Mercy School, Mapusa	23
10	7/2/2025	Dnyan Prasarak Vidyalaya School, Mapusa	31
11	7/3/2025	St. Aloysius High School, Diwadi, Divar	42

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
12	7/7/2025	Manovikas English School, Borda, Margao	30
13	7/9/2025	Posh English High School, Navelim	21
14	7/11/2025	Manovikas English School, Borda, Margao	29
15	7/14/2025	Manovikas English School, Borda, Margao	30
16	7/16/2025	Manovikas English School, Borda, Margao	30
17	7/18/2025	Manovikas English School, Borda, Margao	30
18	7/21/2025	Government High School, Bicholim	31
19	7/23/2025	Dnyan Prasarak Vidyalaya School, Mapusa	32
20	7/25/2025	Cuncolim United High School, Cuncolim	40
21	7/28/2025	Kalyan Ashram Goa's Panchasheel English High School, Ponda	26
22	7/30/2025	Holy Cross Institute Cavelossim	40
23	8/4/2025	St. Joseph High School, Shiroda	34

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
24	8/7/2025	Govt High School, Keri	32
25	8/8/2025	Govt High School, Namoshiri, Guirim	33
26	8/11/2025	Holy Spirit High School, Margao	60
27	8/13/2025	St Joseph Institute, Vasco	42
28	8/20/2025	Govt High School, New Vaddem, Vasco	38
29	8/21/2025	Govt High School, Mangor Hill, Vasco	40
30	8/22/2025	St. Alloysius High School, Benaullim	40
31	8/25/2025	Holy Rosary High School, Nuvem	28
32	9/3/2025	Batkar English Model High School, Margao	10
33	9/4/2025	Govt Higher Secondary School, Baina, Vasco	30
34	9/17/2025	Govt High School, Baina, Vasco	40
35	9/22/2025	Government High School, Sadar, Ponda	36

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
36	9/23/2025	Rosary High School, Cujira, Bambolim	25
37	9/24/2025	St. Marys of Angels, Chinchinim	40
38	9/26/2025	St. Marys of Angels, Chinchinim	40
39	9/30/2025	Vidya Vikas Higher Secondary School, Margao	25
40	10/6/2025	CES College Cuncolim	35
41	10/7/2025	Multifaculty College, Dharbandora	35
42	10/10/2025	Little Preprimary School, Fatorda	49
43	10/15/2025	Government College, Sanquelim	55
44	11/27/2025	Sharda English School, Kadamba	24
45	12/8/2025	Progress High School, Sankhli	40
46	12/9/2025	Progress High School, Sankhli	40
47	12/15/2025	Our Lady of Rosary High School, Fatorda	40

SR. NO	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS
48	12/16/2025	St. Jude High School, Betalbatim	40
49	12/18/2025	Govt High School, Davorlim	27
50	1/12/2026	Chowgule College of Arts & Science	40
51	1/21/2026	Fr. Agnel College, Pilar	40
52	1/28/2026	St. Xavier's Higher Secondary School, Mapusa	40
53	2/2/2026	Govt College of Arts, Science and Commerce, Quepem	40
54	2/10/2026	Govt High School, Paddi	40
55	2/11/2026	Govt college of Arts and Commerce, Borda	40
56	2/16/2026	Sharda English School, Marcela	40
57	2/24/2026	Fr. Agnel Polytechnic, Verna	27
58	3/31/2026	ITI Margao	24
TOTAL			1960

12.3 STATUS REPORT

The Goa State Innovation Council (GSInC) continued to strengthen its grassroots innovation initiatives through the STEM Think-Design-Prototyping Workshops during the financial year 2025-26. These workshops are designed to introduce students to the principles of design thinking and enable them to translate ideas into tangible prototypes through hands-on learning.

During the reporting period, 58 workshops were conducted across schools and colleges in Goa, engaging a total of 1,960 participants. The wide geographic spread of these sessions ensured inclusive participation, reaching students across both urban centres and remote regions of the State.

Each workshop followed a structured, activity-based format, guiding participants through key stages of problem identification, ideation, design, and prototyping. By encouraging students to work on real-world challenges, the sessions fostered creativity, critical thinking, and collaborative problem-solving. The exposure to prototyping tools and techniques further enabled participants to understand the importance of iterative development and practical execution.

The strong participation across institutions reflects a growing interest among students in innovation-led learning and hands-on experimentation. These workshops continue to play a crucial role in bridging the gap between theoretical knowledge and practical application, while nurturing a culture of curiosity and innovation at an early stage.

Key Highlights

- **58 workshops conducted** across schools and colleges in Goa
- **1,960 students engaged** through hands-on innovation sessions
- Coverage across **both North and South Goa**, ensuring inclusive outreach
- Focus on **design thinking and prototype-led learning**
- Strong participation from **government and private institutions alike**
- Reinforcement of **experiential learning over theoretical instruction**

GSIInC continues to expand the scope of these workshops, with a sustained focus on building a generation of students equipped to think critically, design effectively, and innovate with purpose.

**PHOTOGRAPH 12.1: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT MAHATMA GANDHI CENTENARY SCHOOL, PANAJI, 40
STUDENTS 4/11/25**



**PHOTOGRAPH 12.2: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT KEERTI VIDHYALAYA, SIOLIM, 21 STUDENTS, 04/11/25**



**PHOTOGRAPH 12.3: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT GOVT HIGH SCHOOL, MORPILA, QUEPEM, 30 STUDENTS,
26/06/25**



**PHOTOGRAPH 12.4: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT DNYAN PRASARAK VIDYALAYA SCHOOL, MAPUSA, 23
STUDENTS, 2/07/25**



**PHOTOGRAPH 12.5: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT ST. ALOYSIUS HIGH SCHOOL, DIWADI, DIVAR, 42
STUDENTS, 03/07/25**



**PHOTOGRAPH 12.6: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT MANOVIKAS ENGLISH SCHOOL, BORDA, 30 STUDENTS,
7/07/25**



**PHOTOGRAPH 12.7: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT DNYAN PRASARAK VIDYALAYA SCHOOL, 32 STUDENTS,
23/07/25**



**PHOTOGRAPH 12.8: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT CUNCOLIM UNITED HIGH SCHOOL, 40 STUDENTS,
25/07/25**



**PHOTOGRAPH 12.9: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT PM SHRI GOVT. HIGH SCHOOL, KERI, SATTARI, 32
STUDENTS, 7/08/25**



**PHOTOGRAPH 12.10: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT GOVT HIGH SCHOOL, NAMOSHIRI, GUIRIM, 33
STUDENTS, 8/08/25**



**PHOTOGRAPH 12.11: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT HOLY SPIRIT HIGH SCHOOL, MARGAO, 60 STUDENTS,
11/08/25**



**PHOTOGRAPH 12.12: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT GOVT HIGH SCHOOL, NEW VADDEM, 38 STUDENTS,
20/08/25**



**PHOTOGRAPH 12.13: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT GOVT HIGH SCHOOL , MANGOR HILL, 40 STUDENTS,
21/08/25**



**PHOTOGRAPH 12.14: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT GOVERNMENT HIGH SCHOOL, SADAR, PONDA, 36
STUDENTS, 22/09/25**



**PHOTOGRAPH 12.15: STEM - THINK DESIGNING PROTOTYPING
WORKSHOP AT PROGRESS HIGH SCHOOL, SANKHLI, 40 STUDENTS,
9/12/25**





CHAPTER 13

RISK CAPITAL SESSION

CHAPTER 13

RISK CAPITAL SESSION

13.1 INTRODUCTION

Access to capital remains one of the most defining factors in the journey from idea to enterprise. While innovation provides the foundation, it is timely and informed access to risk capital that enables ventures to scale, adapt, and compete in dynamic markets. For many early-stage entrepreneurs, however, navigating the funding landscape can be complex and often unfamiliar.

Recognising this critical need, the Goa State Innovation Council (GSInC) has introduced Risk Capital Sessions as part of its broader effort to strengthen the State's startup ecosystem. These sessions are designed to provide entrepreneurs, innovators, and aspiring founders with a clear understanding of how investment ecosystems function—covering aspects such as funding stages, investor expectations, valuation perspectives, and the fundamentals of financial readiness.

Through interactions with industry experts, investors, and ecosystem enablers, participants gain practical insights into structuring their ideas for investment, articulating value propositions, and preparing for engagement with potential funders. The sessions also emphasise the importance of strategic thinking, financial discipline, and clarity in communication—key elements that influence investment decisions.

By building awareness and confidence around funding pathways, GSInC aims to reduce entry barriers for emerging entrepreneurs and enable them to approach the capital ecosystem with greater preparedness. In doing so, the initiative supports the transition of innovative ideas into scalable ventures, contributing to a more robust and investment-ready startup landscape in Goa.

SR. NO.	DATE	NAME OF THE SCHOOL	NO. OF STUDENTS	SPEAKER
1	28/07/2025	Rosary College of Arts, Science & Commerce, Navelim	125	Mr Rahul Bagga <i>MD Aumirah Analytics</i>
2	14/08/2025	Rosary College of Arts, Science & Commerce, Navelim	46	Mr Sudip Faldesai <i>Project Officer GSInC</i>

13.2 STATUS REPORT: RISK CAPITAL SESSIONS (2025–26)

During the financial year 2025–26, the Goa State Innovation Council (GSInC) continued its efforts to familiarise students with the fundamentals of venture funding and financial support mechanisms through Risk Capital Sessions. These sessions are designed to introduce aspiring innovators and entrepreneurs to the concept of funding, investor expectations, and pathways for scaling ideas into viable ventures.

In the current reporting period, a total of 2 Risk Capital Sessions were conducted, engaging 171 participants across institutions. Both sessions were held at Rosary College of Arts, Science & Commerce, Navelim, reflecting focused institutional engagement and continued collaboration with academic partners.

The sessions were delivered by Mr. Sudip Faldesai, Project Officer, GSInC, who provided participants with insights into available funding avenues, government-backed schemes, and the broader ecosystem supporting startups and innovation. The interactions were structured to simplify complex concepts around venture capital and enable students to understand how ideas can be positioned for funding and growth.

These sessions form part of GSInC's broader mandate to build financial awareness among early-stage innovators, ensuring that promising ideas are supported not only through technical guidance but also through access to capital and funding knowledge. Similar initiatives in previous years have demonstrated the importance of such

engagements in preparing students to navigate the entrepreneurial ecosystem effectively.

Key Highlights

- 2 Risk Capital Sessions conducted during the year
- 171 students engaged across sessions
- Sessions delivered by GSInC domain expert
- Focus on venture funding, startup schemes, and capital access
- Continued collaboration with academic institutions to build financial literacy among students

Through these sessions, GSInC continues to bridge the knowledge gap between innovation and funding—ensuring that students are better equipped to transform ideas into investable and scalable ventures.

PHOTOGRAPH 13.1: RISK CAPITAL SESSION AT ROSARY COLLEGE, 28/7/25



PHOTOGRAPH 13.2: RISK CAPITAL SESSION AT ROSARY COLLEGE, 14/8/25





CHAPTER 14

***INDUSTRY INSTITUTE
INTERACTION***

CHAPTER 14

INDUSTRY INSTITUTE INTERACTION

14.1 INTRODUCTION

Meaningful innovation often emerges at the intersection of academic insight and industry experience. Recognising this, the Goa State Innovation Council (GSInC) has been actively strengthening linkages between educational institutions and industry to create a more connected and application-driven learning ecosystem.

The Industry–Institute Interaction initiative is designed to expose students to real-world contexts, enabling them to understand how ideas evolve beyond classrooms into practical solutions. Through structured engagements such as expert sessions, mentorship interactions, workshops, and collaborative platforms, students gain valuable perspectives on industry practices, technological advancements, and emerging opportunities.

These interactions not only enhance learning but also help bridge the gap between theory and application—equipping students with the awareness, adaptability, and confidence required in a rapidly changing professional landscape. By facilitating dialogue between academia and industry, GSInC enables institutions to remain aligned with evolving demands while encouraging students to think beyond conventional pathways.

Through this sustained effort, GSInC continues to foster a culture where learning is informed by real-world relevance, and where students are empowered to contribute meaningfully as innovators, professionals, and future enterprise builders.

14.2 STATUS REPORT

As part of its continued efforts to strengthen the connection between academia and industry, the Goa State Innovation Council (GSInC) facilitated an Industry-Institute Interaction session during the financial year 2025–26. The initiative aimed to expose students to contemporary industry perspectives, emerging opportunities, and the growing role of innovation in shaping future careers and enterprises.

During the reporting period, an interactive panel discussion on the theme “Impact of Innovations in Academia and Industry” was organised at Shree Damodar College of Commerce & Economics, Margao, engaging 75 students and faculty members. Conducted under the Campus Bytes Initiative of the Goa Technology Association (GTA), the session brought together professionals from diverse backgrounds to discuss the evolving innovation landscape and the importance of industry-academia collaboration.

The discussion featured insights from Mr. Anup Borkar, Chartered Accountant, and Mr. Syam Ivaturi, Co-Founder, DishaAI Edutech, while Mr. Sudip Faldesai, Project Officer, GSInC, moderated the session. Participants were introduced to practical perspectives on innovation, entrepreneurship, technology-led transformation, and the skills required to succeed in an increasingly dynamic professional environment.

The interaction provided students with an opportunity to engage directly with industry practitioners, understand real-world applications of innovation, and appreciate the importance of collaboration between educational institutions and industry. Such engagements continue to play an important role in bridging the gap between classroom learning and industry expectations, while encouraging students to explore innovation-driven career pathways and entrepreneurial opportunities.

Key Highlights

- Conducted under the Campus Bytes Initiative of the Goa Technology Association
- Focused on the theme: “Impact of Innovations in Academia and Industry”
- Featured experts from industry, entrepreneurship, and innovation ecosystems

CAMPUS Bytes

An interactive RoundTable Discussion with the Industry Stalwarts

IMPACT OF ARTIFICIAL INTELLIGENCE ON DAY-TO-DAY LIFE AND SMALL BUSINESSES



Mr. Sudip Faldesai

Project Officer - Goa State Innovation
Council, Department of Science,
Technology & Waste Management,
Government of Goa



CA Anup Borkar

Managing Director, Anup
Borkar & Associates



Mr. Gourish Bhat

Founder, GyronoTech



Mr. Syam Ivaturi

CMO & Co Founder of
DishaAI

On 19th September 2025 at 11:30 AM – 1:00 PM

VVM's Shree Damodar College of Commerce & Economics, Margao Goa

RSVP: Faculty In-charge: Mr. Sameer Pundalik Patil | Ms. Samira Vengurlekar



CHAPTER 15

***INDIA INTERNATIONAL
INNOVATION & INVENTION
EXPO (INEX)***

CHAPTER 15

INDIA INTERNATIONAL INNOVATION & INVENTION EXPO (INEX)

15.1 INTRODUCTION

The India International Innovation and Invention Expo (INEX India) has emerged as a key platform for driving innovation-led engagement, enabling collaboration, and providing visibility to ideas with real-world potential. By bringing together innovators, researchers, startups, industry representatives, and institutions, the platform facilitates meaningful exchange and creates pathways for ideas to evolve into impactful solutions.

The 2025 edition, held from 13th to 15th November at Don Bosco College of Engineering, Fatorda, further reinforced Goa's growing prominence within the innovation landscape. With participation from over 20 countries, the event created a diverse and dynamic environment for dialogue, collaboration, and the exchange of emerging technologies and practices.

Alongside its international participation, INEX India also saw strong involvement from academic institutions across Goa. Students and faculty engaged actively with exhibits, interactions, and discussions, gaining valuable exposure to global innovations and practical approaches to problem-solving. This convergence of global expertise with local participation contributed to a rich learning environment and encouraged broader engagement with innovation and entrepreneurship.

Through initiatives such as INEX India, the Goa State Innovation Council (GSInC) continues to strengthen the linkages between ideas, institutions, and opportunities. The platform not only showcases innovation but also supports its progression by fostering collaboration, enhancing visibility, and positioning Goa as an active participant in the global innovation ecosystem.

About INEX Awards

The INEX Awards form a key highlight of the expo, recognising excellence in innovation across diverse categories. Evaluated by an international jury comprising experts from academia, industry, and research institutions, the awards celebrate innovations that demonstrate originality, practical applicability, scalability, and potential for impact.

The evaluation process is rigorous and multi-dimensional, ensuring that innovations are assessed not only on technical merit but also on their relevance to real-world challenges and their readiness for adoption. The awards serve as an important platform for innovators to gain recognition, build credibility, and explore opportunities for collaboration, investment, and commercialisation.

INEX India 2025 – Innovation Features

- Jury presentations and structured evaluation of scalable innovations by an international panel
- Facilitation of technology transfer through collaborations with industry partners and institutions
- Showcase of proof-of-concept models and functional prototypes by innovators and startups
- Global market exposure through participation of international exhibitors and partners
- Representation of grassroots innovators alongside emerging and established startups
- Dedicated platform for promoting top innovations and startups from the State of Goa
- Opportunities for B2B interactions, networking, and cross-border collaboration
- Integration of seminars, panel discussions, and knowledge-sharing sessions within the expo
- Post-event engagement through trade missions and extended collaboration opportunities

Through INEX India 2025, the Goa State Innovation Council (GSInC) continues to reinforce its role as a catalyst for innovation—creating platforms that not only celebrate ideas but also enable their progression into impactful solutions within a connected, global ecosystem.

EVENT VENUE:

Don Bosco College of Engineering, Fatorda, Margao, Goa

This campus hosted the main exhibition, jury evaluations, seminars, and award ceremony for the event held from 13th to 15th November 2025.

	DATE	TIME	ACTIVITY
Day 1	12.11.2025	12:00 - 15:00	Setup and Arrangement
Day 2	13.11.2025	11:00 - 11:30	INEX 2025 INAUGURATION
		11:30 - 11:45	Innovation Year Book 2025 Launch
		12:00 - 17:00	Evaluation of inventions by a jury panel
		12:00 - 17:00	Visiting hours for public
Day 3	14.11.2025	11:00 - 15:00	Evaluation of inventions by a jury panel
		11:00 - 17:00	Visiting hours for public
Day 4	15.11.2025	10:00	Expo opening time
		10:30 - 11:00	Panel Discussion on Importance of Innovation Expositions
		11:00 - 12:00	INEX 2025 Award Ceremony
Day 5	16.11.2025		International Networking Cultural Tour

PHOTOGRAPH 15.1: BROCHURE FOR INEX



MESSAGE FROM THE CHAIRMAN, GSInC

Dear Participants and Innovators,

I am happy to welcome you to the grand stage of innovation and creativity, the 9th edition of the highly coveted India International Innovation and Invention Expo INEX 2025, to be held successfully for the fourth year in Goa.

Building upon the resounding success of INEX 2025, our journey continues with even greater zeal and commitment. The Goa State Innovation Council (GSInC), under the aegis of the Department of Science, Technology & Waste Management, Government of Goa, is firmly dedicated to fostering a culture of innovation and discovery in our vibrant state.

This year, we focus on startups, industrial technologies, technology transfer, and promoting local products globally. In collaboration with our esteemed partners, the Indian Innovators Association and IBS Global, we are poised to elevate our mission to new heights.

The goal of INEX 2025 is not just to present solutions and inventions but also to forge meaningful business connections and collaborations. We are confident that these partnerships will catalyze the growth of innovation ecosystems, not just within the State of Goa but across the nation. Our commitment to nurturing innovation from grassroots levels remains unwavering as we strive to cultivate a thriving culture of startups and ingenuity.

With your participation, INEX 2025 is set to be a harbinger of change, a catalyst for progress, and a testament to human ingenuity. This year's expo will not only inspire us with novel ideas but also lay the foundation for a brighter, more innovative future. The hybrid event is open for physical as well as virtual participation.

Shri Jose Manuel Noronha,
Chairman,
Goa State Innovation Council

For any queries regarding registering your innovation, contact: IBS GLOBAL,
ASIA: +91 90321 95562, indialex@gmail.com
EUROPE: +48 799 040 774, contact@ibsglobal.pl
www.inex-india.com

MESSAGE FROM THE PRESIDENT, IIA

Greetings to all,

We invite you to participate in the India International Innovation and Invention Expo INEX 2025.

Since 2016, the Indian Innovators Association (IIA) has been organizing international invention and innovation expos, presenting annually over 300 solutions from 30 countries of the world from the most trending domains, such as environmental protection, technology transfer, IPR, Industry 4.0.

This year, INEX focuses on international start-ups, industrial technologies, technology transfer and promotion in the Indian market. To achieve this, IIA and IBS Global, a global organization engaged in the international commercialization of innovation, strengthening industry and trade with an emphasis on products, services based on innovation and new technologies has partnered with the Goa State Innovation Council under the honorary patronage of the State Government of GOA, India.

The INEX 2025 fair is not only an opportunity to present your scientific solutions and innovations, but above all an opportunity to establish great business contacts and learn about the unique culture and hospitality of India.

I cordially invite you to Goa on November 13-15 to the largest event in India devoted to innovation, which will be held in both traditional and virtual form.

Dr AS Rao
President
Indian Innovators Association

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ABOUT THE EVENT

The 9th edition of India International Innovation & Invention Expo will be organized in Goa, in the city of Margao on November 13-15, 2025, under the patronage of some of the world's largest associations promoting innovation. This year's edition is supported by the Goa state Innovation council of the government of Goa, Industry associations and India's leading research and development institutes.

Having been a Portuguese territory for over 450 years, Goan culture is an amalgamation of both Eastern and Western styles, with the latter having a more dominant role. Western royal attire of kings is as much part of Goa's cultural heritage as are regional dances performed depicting a unique blend of different religions and cultures of this State. Prominent local festivals are Christmas, Easter, Carnival, Diwali, Shigmo, Chavoth, Samvatsar Padvo, Dasara etc. A rich tourist infrastructure has been built throughout the state.

India is a trillion dollar market and the 6th fastest growing economy in the world. The main goal of the INEX is international promotion and transfer of innovation. As part of the knowledge exchange among the innovator community, the "Innovation Year Book 2025" will be published during the expo.

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EUROPE: +48 799 040 774, contact@ibsglobal.pl
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INEX 2025 ON-SITE SCHEDULE



DAY 1 (12.11.2025)

12:00 - 15:00 - Setup and Arrangements

DAY 2 (13.11.2025) - INEX 2025 INAUGURATION

11:00 - 11:30 - INEX 2025 Inauguration
11:30 - 11:45 - Innovation Year Book 2025 Launch
12:00 - 17:00 - evaluation of inventions by an jury panel
12:00 - 17:00 - Visiting hours for public

DAY 3 (14.11.2025) - INEX 2025

11:00 - 15:00 - evaluation of inventions by an jury panel
11:00 - 17:00 - Visiting hours for public

Day 4 (15.11.2025) - INEX 2025 Award Ceremony

10:00 - Expo opening time.
10:30 - 11:00 - Panel Discussion on Importance of Innovation Expositions
11:00 - 12:00 - INEX 2025 Award Ceremony

DAY 5 (16.11.2025) - International Networking Cultural Tour

NOTE: The event schedule may undergo changes without prior notice due to operational factors and unavoidable circumstances

FOR REGISTRATION LOG ON TO WWW.INEX-INDIA.COM
DOWNLOAD THE APPLICATION FORM AND EMAIL THE DULY FILLED OUT FORM
to contact@ibsglobal.pl or indialex@gmail.com

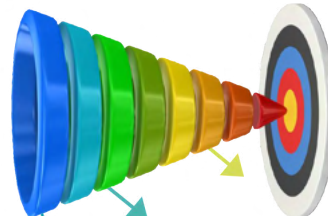
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www.inex-india.com



INEX 2025 "INNOVATION FUNNEL"



EXPERIENCE INNOVATION AT INEX!



Products from global partners/grassroot innovators/new product launches by companies

Development: Technologies ready for transfer from research institutes.
Proof of concepts from engineering students and innovators.

Investigations: Student projects selected by IIA, IBS GLOBAL, GSInC and global partners, patents and research papers.

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INEX GALLERY



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on or before 30-10-2025

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13-15.11.2025
Don Bosco College of Engineering, Fotorda, Margao, Goa, INDIA
www.inex-india.com

INDIA INTERNATIONAL INNOVATION AND INVENTION EXPO



INEX 2025 HIGHLIGHTS

20+ COUNTRIES * B2B INTERACTIONS
*** INDUSTRY VISITS * SEMINARS**
*** INTERNATIONAL JURY AWARDS**

FOR REGISTRATION:

ASIA: +91 90321 95562, indialex@gmail.com; EUROPE: +48 799 040 774, contact@ibsglobal.pl



15.2 STATUS REPORT

The India International Innovation and Invention Expo (INEX India) 2025 was successfully held from 13th to 15th November 2025 at Don Bosco College of Engineering, Fatorda, further strengthening Goa's position as a dynamic hub for innovation and global collaboration.

The three-day event brought together a diverse mix of innovators, researchers, startups, and industry representatives from over 20 countries, creating a vibrant platform for the exchange of ideas and emerging technologies. More than 300 innovations across sectors such as agriculture, robotics, energy, and information technology were showcased, reflecting both the breadth and depth of innovation on display.

A key highlight of INEX 2025 was its structured evaluation process, with an international jury assessing innovations based on parameters such as originality, applicability, and scalability. This provided participants with valuable feedback, recognition, and opportunities for further development and collaboration.

In addition to the exhibition, the event featured a series of seminars, panel discussions, and knowledge-sharing sessions, offering insights into areas such as technology transfer, intellectual property, and evolving industry trends. The platform also facilitated business-to-business (B2B) interactions, enabling innovators to connect with potential partners, investors, and industry stakeholders, thereby supporting the transition from innovation to market readiness.

The expo also witnessed active participation from academic institutions across Goa, with students and faculty engaging with global innovations and gaining exposure to practical approaches and entrepreneurial opportunities. The event concluded with an award ceremony recognising outstanding innovations, further reinforcing its role as a platform for excellence and recognition.

Overall, INEX India 2025 served as a comprehensive platform that combined exhibition,

evaluation, and collaboration—contributing meaningfully to the advancement of innovation and enhancing Goa’s presence within the global innovation ecosystem.

Deliverables by GSInC

As the nodal agency driving INEX India 2025, the Goa State Innovation Council (GSInC) played a central role in conceptualising, organising, and executing the event. The Council ensured seamless coordination across stakeholders, enabling a structured platform that supported innovation showcase, evaluation, collaboration, and outreach. The following key deliverables were facilitated by GSInC as part of the successful conduct of INEX India 2025:

- End-to-end planning and execution of INEX India 2025
- Curation and onboarding of innovators, startups, and international participants
- Coordination with global partners and facilitation of participation from over 20 countries
- Organisation of exhibition spaces for showcasing 300+ innovations across sectors
- Arrangement and management of international jury for evaluation of innovations
- Conduct of structured jury assessment and shortlisting process
- Facilitation of seminars, panel discussions, and knowledge-sharing sessions
- Enabling B2B interactions and networking opportunities between innovators, industry, and investors
- Engagement with schools, colleges, and academic institutions to encourage participation
- Organisation of the INEX Awards ceremony recognising outstanding innovations
- Support for post-event engagement, including trade missions and collaboration opportunities

Invitations to Schools and Colleges for INEX

As part of its outreach for INEX India 2025, the Goa State Innovation Council (GSInC) undertook a structured communication initiative to engage educational institutions across the State. Formal invitations were shared with schools and colleges, encouraging

participation and facilitating student exposure to a global innovation platform.

These communications were designed to provide clear information on the event, highlight its relevance for academic engagement, and enable institutions to plan student visits and participation effectively. Presented below are select samples of the invitations circulated to schools and colleges as part of this initiative.

MoU between GSInC, IIA & IBA Global

In a continued effort to strengthen international collaboration and expand opportunities for innovators, the Goa State Innovation Council (GSInC) formalised a Memorandum of Understanding (MoU) with IIA and IBA Global. This partnership is aimed at fostering cross-border engagement, enabling knowledge exchange, and creating pathways for innovation-led growth through global networks.

The MoU reflects a shared commitment to promoting innovation, facilitating collaboration between institutions and industry, and supporting innovators in accessing wider platforms for recognition, development, and commercialisation. Through this strategic alliance, GSInC seeks to further integrate Goa's innovation ecosystem with global best practices and opportunities.

PHOTO 15.2: BROCHURE LAUNCH FOR INEX 2025



PHOTO 15.3: INEX 2025 INAUGURATION PROGRAM



PHOTO 15.4: TOP 100 INNOVATION BOOK LAUNCH



PHOTO 15.5: DAY 1 & 2 - EXHIBITION





PHOTO 15.6: DAY 1 GALA DINNER







PHOTO 15.7: DAY 3 PRIZE DISTRIBUTION





CHAPTER 16

OTHER ACTIVITIES

CHAPTER 16

OTHER ACTIVITIES

16.1 INTRODUCTION

Extending Impact Beyond Core Programmes

In addition to its flagship initiatives, the Goa State Innovation Council (GSInC) undertook a range of complementary activities during the financial year 2025–26, aimed at further strengthening the State’s innovation ecosystem. These engagements were designed to extend the reach of GSInC’s efforts, creating additional touchpoints for innovators, students, institutions, and industry stakeholders.

Spanning workshops, collaborative engagements, knowledge sessions, and outreach initiatives, these activities provided opportunities for learning, interaction, and capability building across diverse groups. They also enabled GSInC to remain responsive to emerging needs within the ecosystem, fostering connections and facilitating the exchange of ideas across sectors.

Collectively, these initiatives reflect GSInC’s continued commitment to nurturing innovation beyond structured programmes—supporting a more inclusive, connected, and dynamic environment for innovation and entrepreneurship in Goa.

Some of the key events organized included:

TABLE 16.1: KEY EVENTS ORGANIZED

SR. NO	DATE	EVENT
1	5th June 2025	Chairman's visit to BITS Pilani, Goa Campus
2	25th September 2025	Chairman's visit to Croatia
3	3rd October 2025	Seva Pakhwada Innovation Ideathon (SPII) 2025
4	11th October 2025	Goa Developer Summit
5	14 - 27 November 2025	44th India International Trade Fair (IITF), New Delhi
6	18th December 2025	Manohar Parrikar Vidnyan Mahotsav at Manovikas English Medium School
7	30th January 2026	Career Conclave 2026, organised by the Department of Labour & Employment
8	30th January 2026	Roundtable meeting on "Energy Transition in Goa" held at BITS Pilani, K. K. Birla Goa Campus

16.2: CHAIRMAN'S VISIT TO BITS PILANI, GOA CAMPUS - 5.6.2025

As part of its ongoing engagement with leading academic and research institutions, the Goa State Innovation Council (GSInC) participated in the World Environment Day celebrations organised by BITS Pilani K. K. Birla Goa Campus on 5th June 2025. Shri Jose Manuel Noronha, Chairman, GSInC, attended the programme as the Chief Guest and delivered a keynote address titled "Innovation at the Seaside."

The address highlighted the unique opportunities that coastal regions present for innovation, sustainability, and community-led development. Drawing from Goa's distinct geographical and socio-economic context, the session encouraged students and

researchers to explore solutions that address environmental challenges while creating long-term societal value. Particular emphasis was placed on the role of innovation in areas such as resource management, climate resilience, sustainable technologies, and responsible development.

The interaction provided students with valuable insights into the importance of aligning scientific inquiry and technological advancement with real-world challenges. The engagement further strengthened GSInC's efforts to promote innovation-led thinking among young researchers and foster stronger collaboration between academia and the State's innovation ecosystem. The programme concluded with activities promoting environmental stewardship, including a tree plantation drive involving students, faculty, and invited guests.

PHOTOGRAPH 16.1: CHAIRMAN'S VISIT TO BITS, PILANI



16.3: CHAIRMAN'S VISIT TO CROATIA - 23.9.25 - 27.9.25

Chairman's Participation at INNOVA 2025, Croatia

As part of its continued efforts to build international linkages and showcase Goa's growing innovation ecosystem on global platforms, the Goa State Innovation Council (GSInC) was represented at INNOVA 2025, one of Europe's prominent innovation and invention exhibitions. Shri Jose Manuel Noronha, Chairman, GSInC, was invited to participate in the event hosted by the Croatian Inventors Network, providing an opportunity to engage with innovators, institutions, and innovation support organisations from across the world. The visit further strengthened GSInC's commitment to fostering international collaboration, knowledge exchange, and global visibility for innovation initiatives emerging from Goa.

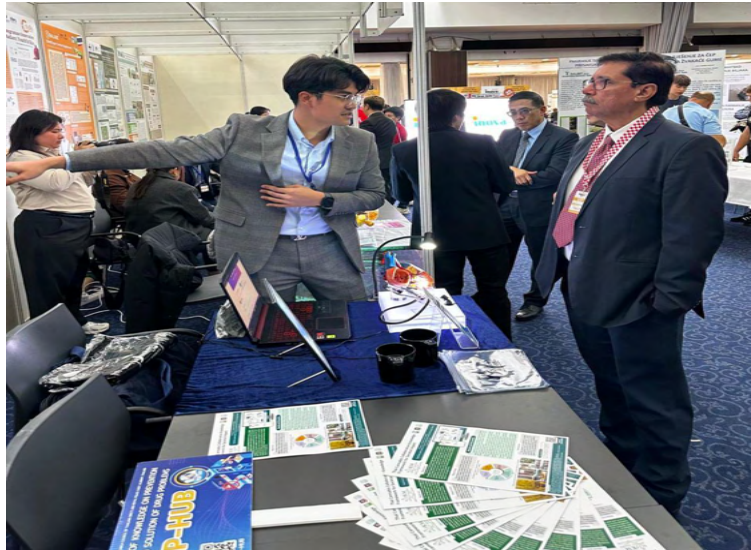
During the visit, the Hon'ble Chairman, Mr. Jose Manuel Noronha, interacted with several dignitaries and international representatives to exchange ideas and understand global innovation practices. The details of the interactions are as follows:

Sr. No.	Name of Dignitary	Designation	Organization / Country
1	Ms. Ljiljana Pedisic	President	Croatian Inventors Network, Croatia
2	Dr. Corneliu Birtok Baneasa	President	Corneliu Group, Romania
3	Dr. Wiparat De-Ong	Executive Director	National Research Council of Thailand
4	Ms. Edyta Wolczyk	Chief Executive Officer (CEO)	IBS Global, Poland

The discussions with the above dignitaries provided valuable insights into international innovation ecosystems, technological advancements, and collaborative opportunities in research, industry, and education sectors.

The exhibition witnessed participation from countries such as Thailand, China, Iran, Ukraine, Poland, Romania, and Croatia, showcasing innovations in diverse fields including healthcare, agriculture, societal knowledge collaboration, artificial intelligence, pollution control equipment, and mining technologies.

Hon'ble Chairman, Mr. Jose Manuel Noronha, interacting with dignitaries and international representatives to exchange ideas and understand global innovation practices during INOVA CROATIA 2025.



16.4: SEVA PAKHWADA INNOVATION IDEATHON (SPII) 2025



GOA STATE INNOVATION COUNCIL

DEPARTMENT OF SCIENCE, TECHNOLOGY & WASTE
MANAGEMENT

**SEVA PAKHWADA INNOVATION IDEATHON (SPII)
2025**

REPORT

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SEVA PAKHWADA INNOVATION IDEATHON (SPII) 2025

1. INTRODUCTION

In reference to Letter No. 1-3-2025/CM/216 dated 11th September 2025, issued by the Hon'ble Chief Minister of Goa, Dr. Pramod Sawant, regarding the said matter, the Goa State Innovation Council (GSInC) has conducted the Seva Pakhwada Innovation Ideathon (SPII) 2025, a program designed to encourage innovation, creativity, and problem-solving among school students in the State of Goa. The initiative is aligned with the national celebration of Seva Pakhwada, which emphasizes service to society through collective participation, innovation, and social responsibility.

Letter is enclosed as Annexure 1 at page 1/c.

Invitation Letter No. GSInC/2025-26/19 dated 12-09-2025, were sent to schools across the state, along with a detailed brochure and participation guidelines. Schools were requested to nominate students interested in developing innovative ideas addressing social and community challenges. Teachers were designated as mentors to guide students through the ideation process. Students were also encouraged to register their ideas online via the Virtual Innovation Register (VIR) under the SPII 2025 category.

Invitation letter is enclosed as Annexure 2 at page 2/c.

Brochure is attached as Annexure 3 at page 3/c.

The primary objective of the SPII 2025 was to inspire, nurture, and empower young minds by providing them a structured platform to ideate, innovate, and develop solutions to real-world challenges. The program aims to:

- Foster innovation and creativity among school students.
- Encourage problem-solving and design thinking at the school level.
- Create awareness about the innovation and startup ecosystem in Goa.
- Provide students access to mentorship and technical resources for prototype development.
- Recognize and reward outstanding innovations that contribute to social and sustainable development.

This initiative is envisioned as a step toward building a culture of innovations among youth, contributing to Goa's vision of being an innovation-driven state.

Students were encouraged to develop innovative solutions around the following key thematic areas:

- Health & Wellness: Nutrition, mental health, fitness, and healthcare accessibility.
- Swachhata & Environment: Waste management, plastic reduction, and clean energy.
- Social Welfare & Community Outreach: Inclusion, senior citizen support, and rural development.
- Digital & Financial Literacy: Safe digital practices, online education, and financial awareness.
- Rural Development: Low-cost innovations, smart agriculture, and livelihood improvement.
- Women & Child Welfare: Education, hygiene, safety, and empowerment.
- Sustainable Living: Renewable energy, eco-friendly alternatives, and green housing.
- Environmental Sustainability: Energy conservation, water management, and biodiversity protection.
- Education & Learning Tools: Accessible and creative learning solutions for students.

2. SCHEDULE AND ACTIVITIES

The SPII 2025 was implemented as per the following schedule and activities:

1. Invitation to Schools – 12th September 2025

- Formal invitations issued to all schools in Goa.
- Dissemination of brochure and guidelines outlining the process of participation.
- Teachers appointed as facilitators to help students identify problems and innovative solutions.

2. Online Registration – Closing on 20th September 2025

- Students register their ideas on the Virtual Innovation Register (VIR).
- Emphasis on innovative, socially relevant, and sustainable problem-solving ideas.
- Registration link shared with all participating schools through official communication.

3. Shortlisting & Mentorship Phase – 21st September to 1st October 2025

- Shortlisted student teams to receive mentorship from experts at the Rapid Prototyping Lab.
- Interactive workshops on innovation, design thinking, and prototype development.
- Exposure to success stories of young innovators and startups.
- Hands-on sessions using 3D printing, electronics, and fabrication tools.
- Students refine their ideas into working prototypes during this stage.

4. Finals & Award Ceremony – 3rd October 2025

- Final showcase of prototypes before a jury of experts from academia and industry.
- Evaluation criteria include originality, feasibility, scalability, sustainability, and social impact.
- Top three teams to be awarded prizes, certificates, and incubation support for further development.

A total of 47 project applications were received from various schools across the state. The response reflected the growing interest of students and teachers toward developing practical, technology-driven, and socially relevant solutions.

The detailed list of all registered applications has been appended as Annexure 4, from pages 4/c to 61/c.

Each project was reviewed by the Project Officer based on evaluation criteria including scalability, usefulness, novelty, and innovation. These criteria ensured that the projects selected for further consideration demonstrated in originality of thought and the potential for real-world implementation and broader societal impact.

After a thorough review process, 16 projects were shortlisted for the next stage of the initiative. The shortlisted projects represent diverse domains such as science and technology, environmental sustainability, education, and community welfare. They exemplify innovative thinking, practical problem-solving skills, and the ability to transform ideas into feasible outcomes.

The detailed list of shortlisted projects is:

Sr. No.	Name of the Project	School Name	Student Name	Contact Details
1	Dust away wrist band	Mae Dos Pobres High School, Nuvem	Devjyoti Baidya	9881512066
2	Bedside Pressure Redistribution Feedback Strip	Pope John XXIII High School, Quepem	Jazlyn Rodrigues	7588885027
3	Smart Traffic Light Automatic Vehicle Control	Government High School, Ambaulim, Quepem	Farhaan Shaikh & Mustafa Shaikh	9623192598
4	Smart Stairs	Government High School, Ambaulim, Quepem	Ruksar Khatun & Anjita Nishad	9623192598
5	Weather Station	Government High School, Ambaulim, Quepem	Ashwin Tripathi & Karan Deikar	9623192598
6	"GOA GREEN AID" Natures First Aid Box	Sant Xavier Vidyalaya, Korgao Goa	Ezikia Carvalho & Lindsey Carvalho	9322965153
7	Autonomous Vacuum Cleaner Robot	The New Educational Institute, Curchorem	Netrutua Sawant & Tanish Vasta	9970325451
8	Hybrid Automatic Treet light	Pradnya High School, Devsu, Korgao	Nirbhag Talkar, Ayush Salgaonkar & Dilraj Kavthankar	7666632772
9	Well Cleaning Model	Cuncolim United High School, Cuncolim	Kayaan Velip	9552391833

10	Vridhashram Website	Surashree Kesarbai Kerkar High School, Keri, Sattari	Avani Jalmi	9356091620
11	Jivamrut Organic Slurry	Madkaikar Navchaitanya High School, Corlim	Rajina Ghimire & Tannu Pandit	9511797540
12	Smokeless Chulha	Government High School, Fatorpa	Gayatri Gawda	9923824864
13	Minimise Carbon Footprint & Pollution	PM Shri Governmnet High School, Mangor Hill, Vasco	Darshini Belgal & Gayatri Biradar	8767447644
14	Solar Drip Irrigation System	Posh English High School, Navelim	Raiza Favel & Mysha Chari	8010493941
15	Smart Bins	Madkaikar Nav-Chaitanya High School, Corlim	Mushahid Raza Ali, Mehboob Raza Ali, Ankit Solapure & Daksh Shirodkar	9511797540
16	Himkavach	Keshav Smruti High School	Arya Jayant Jadhav, Gayatri Ravindra Shetkar & Mustareen Kanavi	9420896565

3. Mentoring Sessions at SPII 2025

The Mentoring Sessions aimed to guide participants through various stages of idea development, prototyping, and presentation, helping them transform their creative concepts into feasible and demonstrable projects.

1. 23rd September 2025 - Project Idea Generation Session at Rapid Prototyping Lab.

The session commenced with an introduction to the SPII initiative, outlining its objectives, expected outcomes, and the roadmap for student innovators. Participants were then introduced to the Innovator's Diary, a structured process tool designed to help document their project journey—from idea inception to prototype completion.

An orientation on the Rapid Prototyping Lab followed, where students learned about the available tools, equipment, and technologies supporting 3D modeling and fabrication. This was accompanied by an assessment and requirement analysis, enabling mentors to understand the technical and conceptual needs of each project. Based on this analysis, dedicated mentors were assigned to each team to provide focused guidance throughout the development process.

2. 24th September 2025 - Leveraging Technology for Building Prototypes Session by Mr. Gaurish Bhatt.

The session conducted by Mr. Gaurish Bhatt on Leveraging Technology for Building Prototypes focused on the practical application of emerging technologies, materials, and digital tools in the process of prototype development. Mr. Bhatt provided

valuable insights into how students can utilize affordable and accessible technologies to transform conceptual ideas into functional models.

During the session, he highlighted key aspects of design efficiency, cost optimization, and scalability, encouraging participants to adopt a systematic approach to prototype creation. Mr. Bhatt emphasized the importance of selecting appropriate materials, integrating digital design platforms, and using rapid prototyping techniques for effective model realization.

A significant highlight of the session was the hands-on training component, where students were introduced to robotics and Internet of Things (IoT)–based devices. Participants actively engaged in building simple prototype setups using sensors, microcontrollers, and basic automation components. This practical exposure allowed students to understand the fundamentals of IoT integration, control systems, and the synergy between hardware and software in functional prototypes.

Through this interactive session, participants gained a deeper understanding of how modern technological tools can accelerate the innovation process. Mr. Bhatt's demonstration and mentorship helped students bridge the gap between theoretical concepts and practical implementation, equipping them with the foundational skills required to advance their project ideas into working prototypes.

3. 25th September 2025 - Step-by-Step Guide to Building Prototypes Using 3D Models Session by Mr. Gaurish Samant.

The session aimed to equip participants with a clear and structured understanding of the 3D modeling and prototyping process, bridging the gap between conceptual design and tangible product creation.

Mr. Samant began by introducing students to the fundamentals of design visualization—helping them translate their innovative ideas into digital sketches and 3D representations. He explained the core principles of computer-aided design (CAD) and guided participants through the use of industry-standard modeling software for developing detailed digital prototypes. Students were encouraged to explore the creative aspects of design while maintaining precision and technical feasibility.

The session also included live demonstrations of model creation, where students practiced designing basic structures, assemblies, and components. Mr. Samant emphasized the importance of accuracy, scaling, and geometry optimization to ensure that digital models could be efficiently fabricated using 3D printing and rapid prototyping technologies.

A notable aspect of the workshop was the interactive hands-on component, where participants were given an opportunity to design and print small 3D objects using the Rapid Prototyping Lab's in-house equipment. This exercise enabled them to experience the complete design-to-fabrication workflow—from idea generation and digital modeling to physical realization.

Through this immersive session, students gained practical exposure to 3D design tools, improved their understanding of prototyping techniques, and developed confidence in using modern fabrication technologies to bring their ideas to life. Mr. Samant's structured and engaging approach fostered both creativity and technical competence among the young innovators.

4. 26th September 2025 - Programming, Coding, and Hardware Integration Session by Mr. Vignesh Prabhu.

The session aimed to provide participants with a comprehensive understanding of how software logic and hardware components work together to bring innovative prototypes to life.

Mr. Prabhu began the session by introducing students to the fundamentals of programming used in prototype development. He explained key concepts such as input/output control, sensor data handling, and automation logic using programming languages commonly applied in embedded systems. Participants were introduced to microcontroller platforms such as Arduino and Raspberry Pi, learning how to write and upload code for basic operations.

The session progressed into hardware integration techniques, where Mr. Prabhu demonstrated how various electronic components—such as sensors, actuators, motors, and controllers—can be interconnected to achieve desired functionality. Students gained first-hand experience in creating simple circuit setups, understanding power management, and configuring connectivity between hardware and software interfaces.

A major highlight of the session was the hands-on troubleshooting workshop, where participants worked in small groups to identify and resolve common errors encountered during prototype testing. Mr. Prabhu guided them in debugging both code and hardware connections, emphasizing a systematic approach to problem-solving.

5. 1st October 2025 - Project Demonstration and Pitching Session

During the session, each student team showcased their working prototypes, demonstrating the functionality, innovation, and practical applicability of their projects. The prototypes reflected a diverse range of ideas across various domains, including technology, sustainability, community development, and education. Through these demonstrations, students illustrated their ability to integrate design thinking, coding, and hardware concepts into viable working models.

In addition to the prototype display, teams delivered project pitches where they effectively communicated their core concepts, objectives, problem statements, implementation strategies, and future scalability. The pitching process helped participants develop critical presentation, communication, and entrepreneurial skills, preparing them for real-world innovation platforms and competitions.

To maintain uniformity and ensure professional presentation standards, a standardized pitch template was shared with all participants prior to the session. This template guided students in structuring their presentations, covering key aspects such as project background, innovation highlights, feasibility, and potential impact.

The template has been enclosed as Annexure 5 from page no 62/c to 63/c.

The demonstration and pitching session concluded with constructive feedback from mentors and evaluators, who appreciated the participants' creativity, technical effort, and clarity of thought. The event not only marked the successful completion of the mentoring phase but also celebrated the spirit of innovation and collaboration among the young participants.

Photograph 1: *Project Idea Generation Session* at the Rapid Prototyping Lab, Don Bosco College of Engineering, Fatorda.

Inaugural session of SPII 2025, where students were introduced to the innovation process, guided through ideation activities, and oriented on utilizing the Rapid Prototyping Lab facilities for developing their project concepts.



Photograph No. 2: *Leveraging Technology for Building Prototypes* – Session conducted by Mr. Gaurish Bhatt, Founder of Gyrono Tech.

The photograph highlights the interactive session where participants received hands-on training in prototype development using robotics and IoT-based tools, emphasizing innovation, design efficiency, and scalability.



Photograph No. 3: *Step-by-Step Guide to Building Prototypes Using 3D Models* – Session by Mr. Gaurish Samant, Faculty, Don Bosco College of Engineering, Fatorda.

This photograph captures the hands-on 3D modeling workshop, where students learned digital design techniques, software-based modeling, and 3D printing processes for prototype creation.



4. LIST OF MENTORS AT RAPID PROTOTYPING LAB FOR SPII 2025

Sr. No.	Name of Mentor	Designation / Affiliation	Area of Expertise	Role and Contribution during SPII 2025
1.	Mr. Gaurish Bhatt	Founder – Gyrono Tech	Robotics, IoT, and Prototype Development	Conducted hands-on sessions on leveraging technology for prototype building; guided students in using robotics and IoT tools for functional design implementation.
2.	Mr. Gaurish Samant	Faculty – Don Bosco College of Engineering, Fatorda	3D Modeling, CAD Design, and Product Development	Led an interactive workshop on creating 3D models and converting digital designs into physical prototypes through rapid prototyping technologies.
3.	Mr. Sudip Faldesai	Project Officer – GSInC	Innovation Management, Project Evaluation, and Coordination	Coordinated the overall mentoring sessions; supervised project selection, mentor allocation, and facilitated the smooth execution of lab-based activities.
4.	Mr. Siddhant Panjikar	Founder – Makerz Studio	Fabrication, Design Thinking, and Maker Education	Mentored teams with design ideation, material selection, and fabrication techniques using the lab's advanced equipment and maker tools.
5.	Mr. Vignesh Prabhu	Mentor – Rapid Prototyping Lab, Fatorda	Programming, Embedded Systems, and Hardware Integration	Conducted sessions on coding, circuit integration, and troubleshooting; mentored teams in combining software and hardware components for functional prototypes.
6.	Mr. Haroon Sayed	CEO – Coderelix LLP, Margao	Software Development, AI, and Systems Integration	Provided guidance on software architecture and coding frameworks; mentored teams in optimizing their project software modules.
7.	Mr. Deepam Lotlikar	CTO – Coderelix LLP, Margao	Full-Stack Development, IoT Systems, and Product Engineering	Supported teams with technical insights on IoT system integration and end-to-end product engineering; contributed to prototype refinement and performance enhancement.

8	Mr. Pratham Ramdas Naik	Mentor – Rapid Prototyping Lab, Fatorda	Programming, Embedded Systems, and Hardware Integration	Mentoring on coding, circuit integration, and troubleshooting; mentored teams in combining software and hardware components for functional prototypes.
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5. FINALS OF SPII 2025 – PROJECT DEMONSTRATION AND EVALUATION

The Finals of the SPII 2025 Initiative was conducted on 3rd October 2025 at the Rapid Prototyping Lab, Don Bosco College of Engineering, Fatorda. The event showcased the culmination of weeks of mentoring, prototype development, and innovation-driven learning. The final round served as a platform for students to present their fully developed projects to a panel of expert judges, demonstrating creativity, technical capability, and social relevance.

Event Schedule – 3rd October 2025

SR. NO.	TIME	AGENDA	VENUE
1	8:30 am – 10:00 am	Arrival of Participants & Project Setup	Rapid Prototyping Lab, 2nd Floor, Don Bosco College of Engineering, Fatorda
2	10:00 am – 2:00 pm	Pitching Session (Final Evaluation Round)	Rapid Prototyping Lab
3	2:00 pm – 3:00 pm	Lunch Break	1st Floor, Cafeteria, FiiRE Building
4	3:00 pm – 3:20 pm	Valedictory Function, Arrival of Chief Guest & Announcement of Winners	Conference Hall, FiiRE
5	3:20 pm – 3:30 pm	Keynote Address by Chief Guest	Conference Hall, FiiRE
6	3:30 pm	Vote of Thanks & Group Photo with Winners	Conference Hall, FiiRE

Participants set up their prototypes and prepared their presentations for evaluation by the panel of judges.

List of Projects Presented in the Finals

SR. NO.	NAME OF THE PROJECT	SCHOOL NAME	STUDENT(S) NAME
1	Dust Away Wrist Band	Mae Dos Pobres High School, Nuvem	Devjyoti Baidya
2	Bedside Pressure Redistribution Feedback Strip	Pope John XXIII High School, Quepem	Jazlyn Rodrigues
3	Smart Traffic Light Automatic Vehicle Control	Government High School, Ambaulim, Quepem	Farhaan Shaikh & Mustafa Shaikh
4	Smart Stairs	Government High School, Ambaulim, Quepem	Ruksar Khatun & Anjita Nishad
5	Weather Station	Government High School, Ambaulim, Quepem	Ashwin Tripathi & Karan Deikar
6	“Goa Green Aid” – Nature’s First Aid Box	Sant Xavier Vidyalaya, Korgao	Ezikia Carvalho & Lindsey Carvalho
7	Autonomous Vacuum Cleaner Robot	The New Educational Institute, Curchorem	Netrutua Sawant & Tanish Vasta
8	Hybrid Automatic Street Light	Pradnya High School, Devsu, Korgao	Nirbhag Talkar, Ayush Salgaonkar & Dilraj Kavthankar
9	Well Cleaning Model	Cuncolim United High School, Cuncolim	Kayaan Velip
10	Jivamrut Organic Slurry	Madkaikar Navchaitanya High School, Corlim	Rajina Ghimire & Tannu Pandit
11	Smokeless Chulha	Government High School, Fatorpa	Gayatri Gawda
12	Minimise Carbon Footprint & Pollution	PM Shri Government High School, Mangor Hill, Vasco	Darshini Belgal & Gayatri Biradar
13	Solar Drip Irrigation System	Posh English High School, Navelim	Raiza Favel & Mysha Chari
14	Smart Bins	Madkaikar Navchaitanya High School, Corlim	Mushahid Raza Ali, Mehboob Raza Ali, Ankit Solapure & Daksh Shirodkar

Each project team presented their functional prototypes along with a PowerPoint-based pitch, explaining their concept, design process, problem statement, and impact potential.

6. PANEL OF JUDGES FOR THE FINALS :

1. Mr. Arafat Ahmed – Industry Expert and Innovator
2. Mr. Gaurish Bhatt – Founder, Gyrono Tech
3. Mr. Siddhant Panjikar – Founder, Makerz Studio

The judges evaluated the projects based on a comprehensive set of parameters to ensure a fair and holistic assessment of creativity, feasibility, and impact.

Selection Criteria for the Finals

Sr. No.	Evaluation Parameter	Max Marks	Description
1	Creativity & Originality	10	Uniqueness and imagination demonstrated in the idea compared to existing solutions.
2	Novelty of Concept	10	Introduction of a fresh approach, technique, or application in solving a problem.
3	Usefulness & Practical Relevance	10	Relevance of the project in addressing a real-world, social, or environmental issue.
4	Prototype / Model Quality	10	Functionality, clarity, design accuracy, and demonstration of proof of concept.
5	Scalability & Sustainability	10	Potential for expansion, long-term viability, and environmental friendliness.
6	Technical Feasibility	10	Realistic implementation potential using available tools, technologies, and resources.
7	Social Impact	10	Extent to which the project contributes to community welfare, education, or sustainability.
8	Presentation, Communication & Collaboration	10	Effectiveness, clarity, and teamwork during project presentation and demonstration.

Judging Guidelines and Rating Index

The following rating scale was applied to ensure uniform evaluation:

- 1–3 (Needs Improvement): Idea or prototype lacks clarity, innovation, or feasibility.
- 4–6 (Average): Meets minimum expectations but demonstrates limited originality or practical impact.
- 7–8 (Good): Clearly presented, practical, and demonstrates strong innovation potential.
- 9–10 (Excellent): Highly innovative, impactful, and well-executed with strong prospects for scalability.

Photograph 4: Smokeless Chullah – Government High School, Fatorpa



Photograph 5: Bedside Pressure-Redistribution feedback Strip – Pope John XXIII High School, Quepem



Photograph 6: Jivamruth (Organic Slurry) – Madkaikar Navchaitanya High School, Corlim



Photograph 7: Smart Segregation Bin – Madkaikar Navchaitanya High School, Corlim



Photograph 8: Automatic Vehicle Control System – Government High School, Ambaulim, Quepem



Photograph 9: Hybrid Automatic Street Light – Pradnya High School, Devsu, Korgao



Photograph 10: Well Cleaning Model – Cuncolim United High School, Cuncolim



Photograph 11: Drip Irrigation System – Posh English High School, Navelim



Photograph 12: Dust Away Wrist Band – Mae Dos Pobres High School, Nuvem



Photograph 13: Smart Environment Monitoring System – Government High School, Ambaulim, Quepem



Photograph 14: Autonomous Vacuum Cleaner Robot – The New Educational Institute, Curchorem



Photograph 15: Goa Green Aid – Nature's First Aid Box (Herbal Kit) – Sant Xavier Vidyalyaya, Korgao



7. LIST OF WINNERS

Award	Project Title	School Name	Student Name(s)	Teacher(s) Name
First Prize	Bedside Pressure-Redistribution Feedback Strip	Pope John XXIII High School, Quepem	Jazlyn Rodrigues	Karishma Naik
Second Prize	Jivamrut Organic Slurry	Madkaikar Navchaitanya High School, Corlim	Rajina Ghimire, Tannu Pandit	Ketaki M. Tarkar Pednekar
Encouragement Prize	Dust Away Wrist Band	Mae Dos Pobres High School, Nuvem	Devjyoti Baidya	Denisa Coutinho
Encouragement Prize	Goa Green Aid – Nature's First Aid Box	Saint Xavier Vidyalyaya, Korgao	Ezikia Carvalho, Lindsey Carvalho	Purva Kelkar, Peter Alfonso
Encouragement Prize	Autonomous Vacuum Cleaner Robot	The New Educational Institute, Curchorem	Netrutua Sawant, Tanish Vasta	Sandhya Sankordekar, Sonali Bhagat
Encouragement Prize	Solar Drip Irrigation System	Posh English High School, Navelim	Raiza Favel, Mysa Chari	Bressica Sequeira
Encouragement Prize	Smart Stairs	Government High School, Ambaulim, Quepem	Ruksar Khatun, Anjita Nishad	Priya Travaso

All winners and participants were felicitated with trophies & certificates of appreciation, recognizing their outstanding efforts and participation in fostering innovation through SPII 2025.

Photograph 22: Bedside Pressure-Redistribution Feedback Strip – Pope John XXIII High School, Quepem

Award: 🏆 First Prize Teacher: Ms. Karishma Naik Student: Jazlyn Rodrigues



Photograph 23: Jivamrut (Organic Slurry) – Madkaikar Navchaitanya High School, Corlim

Award: 🥈 Second Prize Teacher: Ms. Ketaki M. Tarkar Pednekar Students: Rajina Ghimire & Tannu Pandit



Photograph 24: Dust Away Wrist Band – Mae Dos Pobres High School, Nuvem
Award: 🏆 Encouragement Prize Teacher: Ms. Denisa Coutinho Student: Devjyoti Baidya



Photograph 25: Goa Green Aid – Nature's First Aid Box – Saint Xavier Vidyalaya, Korgao
Award: 🏆 Encouragement Prize Teachers: Ms. Purva Kelkar & Mr. Peter Alfonso Students: Ezikia Carvalho & Lindsey Carvalho



Photograph 26: Autonomous Vacuum Cleaner Robot – The New Educational Institute, Curchorem

Award: 🏆 Encouragement Prize Teachers: Ms. Sandhya Sankordekar & Ms. Sonali Bhagat Students: Netrutua Sawant & Tanish Vasta



Photograph 27: Solar Drip Irrigation System – Posh English High School, Navelim
Award: 🏆 Encouragement Prize Teacher: Ms. Bressica Sequeira Students: Raiza Favel & Mysha Chari



Photograph 28: Smart Stairs – Government High School, Ambaulim, Quepem
Award: ★ Encouragement Prize Teacher: Ms. Priya Travaso Students: Ruksar



Photograph 29: Group Photo of All Participants with Chief Guest – Fr. Wilfred Fernandez, Director, Don Bosco College of Engineering, Fatorda



GOA STATE INNOVATION COUNCIL

DEPARTMENT OF SCIENCE, TECHNOLOGY & WASTE MANAGEMENT

SEVA PAKHWADA INNOVATION IDEATHON (SPII) 2025

Objective

To inspire, nurture, and empower young minds by fostering innovation, problem-solving, and creativity during Seva Pakhwada.

**Online
Registration**
15th - 20th
Sept 2025

**Shortlisting &
Mentorship**
(21st Sept –
1st Oct 2025)

**Finals & Award
Ceremony –**
2nd Oct 2025

THEMES

- | Health & Wellness Initiatives |
- | Swachhata (Cleanliness) & Environment |
- | Social Welfare & Community Outreach |
- | Digital & Financial Literacy |
- | Innovation for Rural Development |
- | Women & Child Welfare |
- | Sustainable Living & Green Practices |
- | Environmental Sustainability |
- | Education & Learning Tools |

For Queries & Support
Secretariat, GSInC, Fatorda
0832 274 0007
admin@gsic.in

SCAN ME



Link to Apply:

www.goastateinnovationcouncil.com/initiatives/SPII

16.5: GOA DEVELOPER SUMMIT - 11.10.2025

The Goa Development Summit brought together policymakers, industry leaders, entrepreneurs, academicians, innovators, and development professionals to deliberate on the opportunities and challenges shaping Goa's future growth trajectory. The summit served as a platform for dialogue on key themes such as innovation, entrepreneurship, digital transformation, sustainable development, skill development, industry-academia collaboration, and emerging technologies.

The event witnessed participation from representatives of government departments, educational institutions, startups, business associations, technology experts, and industry leaders, creating a collaborative environment for the exchange of ideas and best practices. Discussions focused on strengthening Goa's innovation ecosystem, attracting investment, promoting entrepreneurship, and leveraging technology to drive inclusive and sustainable development. Similar technology and entrepreneurship-focused summits held in Goa during the year featured leading innovators, startup founders, policymakers, and industry experts, highlighting the growing importance of innovation-led growth in the State.

The Goa State Innovation Council (GSInC) participated in the summit as part of its ongoing efforts to promote innovation as a key driver of economic and social progress. The platform provided an opportunity to showcase GSInC's initiatives in entrepreneurship development, startup support, innovation promotion, intellectual property awareness, and student-focused innovation programmes. The interactions facilitated valuable exchanges with stakeholders across sectors and helped identify potential avenues for collaboration aimed at strengthening Goa's innovation and entrepreneurship ecosystem.

GSInC's participation reaffirmed the Council's commitment to fostering partnerships, encouraging innovation-led development, and creating opportunities for aspiring entrepreneurs, researchers, and innovators to contribute meaningfully to the State's growth and development.

**PHOTO 16.2: GOA'S DEVELOPER'S SUMMIT 2.0 (ENTREPRENEURSHIP EDITION)
HELD AT BITS PILANI, K.K. BIRLA GOA CAMPUS, ON OCTOBER 11, 2025**



16.6: PARTICIPATION IN THE 44TH INDIA INTERNATIONAL TRADE FAIR (IITF), NEW DELHI - 14.11.2025 - 27.11.2025

The Goa State Innovation Council (GSInC) participated in the 44th India International Trade Fair (IITF) 2025, held from 14th to 27th November 2025 at Bharat Mandapam, Pragati Maidan, New Delhi. Organised by the India Trade Promotion Organisation (ITPO), IITF is one of India's largest and most prestigious trade exhibitions, bringing together government agencies, industries, startups, entrepreneurs, artisans, and innovators from across the country and abroad under the theme "Ek Bharat, Shreshtha Bharat."

As part of the Goa Pavilion, GSInC joined various State Government departments in showcasing Goa's progress in innovation, technology, entrepreneurship, and sustainable development. The participation provided an opportunity to present the State's innovation ecosystem, highlight initiatives undertaken by GSInC, and create awareness about programmes supporting innovators, startups, students, and entrepreneurs. The pavilion also served as a platform for interaction with visitors, industry representatives, investors, and stakeholders from across the country.

The Goa Pavilion featured exhibits highlighting the State's developmental achievements, tourism potential, traditional crafts, biodiversity initiatives, and innovation-driven programmes. Throughout the fourteen-day event, the pavilion attracted significant visitor engagement and contributed to promoting Goa as a progressive and innovation-oriented State. The Goa Pavilion was subsequently recognised with a Special Appreciation Award for Excellence in Display, reflecting the quality of presentation and collective efforts of the participating departments.

GSInC's participation in IITF 2025 aligned with its objective of providing wider visibility to Goa's innovation ecosystem, fostering new connections, and exploring opportunities for collaboration at the national level.



16.7 MANOHAR PARRIKAR VIDNYAN MAHOTSAV 2025 AT MANOVIKAS ENGLISH MEDIUM SCHOOL - 18.12.25

The Goa State Innovation Council (GSInC) actively associated itself with the Manohar Parrikar Vidnyan Mahotsav 2025, a statewide initiative dedicated to promoting scientific temper, innovation, and curiosity-driven learning among students. Organised in tribute to the late Shri Manohar Parrikar, the Mahotsav brought together scientists, researchers, academicians, innovators, and students through a series of lectures, demonstrations, exhibitions, and interactive sessions aimed at making science more engaging and accessible.

As part of its participation, GSInC leveraged the platform to create awareness about innovation, entrepreneurship, prototyping, intellectual property rights, and various student-centric schemes implemented by the Council. The event also provided an opportunity to showcase the importance of innovation-led problem solving and the support mechanisms available to young innovators in Goa.

The Mahotsav attracted participation from educational institutions across the State and served as an effective platform for encouraging students to explore science and technology beyond the classroom. Through its association with the event, GSInC furthered its mission of fostering a culture of creativity, experimentation, and innovation among the youth, while strengthening the foundation for a vibrant and future-ready innovation ecosystem in Goa.



16.8 CAREER CONCLAVE 2026, ORGANISED BY THE DEPARTMENT OF LABOUR & EMPLOYMENT - 30.01.2026

The Goa State Innovation Council (GSInC) participated in the Career Conclave 2026, organised by the Department of Labour & Employment, Government of Goa, on 30th January 2026. The conclave brought together students, job seekers, educational institutions, industry representatives, government agencies, and career guidance professionals on a common platform to explore emerging career opportunities and future-ready skill pathways.

As part of the event, GSInC engaged with students and young aspirants, creating awareness about innovation, entrepreneurship, startup opportunities, and the various schemes and initiatives available through the Council. The platform enabled participants to gain insights into alternative career pathways beyond conventional employment, highlighting the growing opportunities in innovation-led enterprises, technology-driven ventures, and entrepreneurship.

The conclave also served as an opportunity to showcase Goa's evolving innovation ecosystem and the support mechanisms available for aspiring innovators and startup founders. Through its participation, GSInC reinforced the importance of nurturing creativity, problem-solving abilities, and entrepreneurial thinking among the youth, encouraging them to become job creators and innovators capable of contributing to Goa's future growth and development.



16.9 ROUNDTABLE MEETING ON “ENERGY TRANSITION IN GOA” HELD AT BITS PILANI, K. K. BIRLA GOA - CAMPUS 30.01.2026

The Goa State Innovation Council (GSInC) participated in an Industry Roundtable on “Energy Transition in Goa” held at BITS Pilani, K. K. Birla Goa Campus on 30th January 2026. The interaction was organised in conjunction with India Energy Week 2026 and coincided with the visit of a senior delegation from the Kingdom of the Netherlands comprising representatives from clean energy companies, technology innovators, and policy advisory organisations.

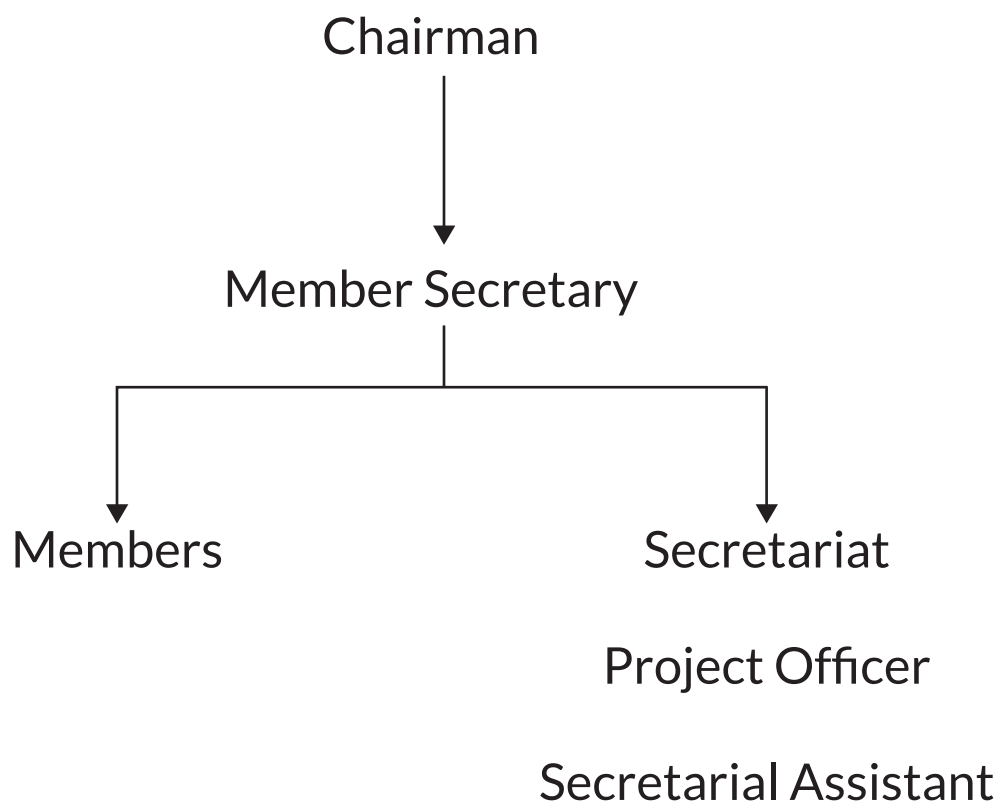
The roundtable brought together industry representatives, innovation stakeholders, academic researchers, and international experts to deliberate on innovation-driven approaches towards sustainable energy development. Discussions focused on key themes including industrial decarbonisation, bioenergy, port-linked energy systems, clean technology entrepreneurship, safety and skills development, and capacity building for the energy sector.

The interaction provided a valuable platform for knowledge exchange and collaboration between international partners and Goa's innovation ecosystem. It also highlighted the growing importance of innovation, technology, and entrepreneurship in addressing energy challenges and advancing sustainable development goals. Through its participation, GSInC contributed to discussions on fostering innovation-led solutions and strengthening partnerships that can support Goa's transition towards a cleaner and more resilient energy future.





ANNEXURE





GOA STATE INNOVATION COUNCIL

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