

# Government Polytechnic For Girls, Surat

## Department of Electrical engineering

### Report on SSIP2.0 Awareness Program

#### 1. Program Overview

A specialized awareness session on the **Student Startup and Innovation Policy (SSIP 2.0)** was conducted to foster an entrepreneurial mindset among diploma students. The program aimed to bridge the gap between classroom learning and real-world problem solving through innovation.

- **Date:** 31st July 2025
- **Venue:** Classroom A-011, GPG Surat
- **Organizing Department:** Electrical Engineering
- **Expert Speakers:** Mr. P. P. Rana

#### 2. Participant Profile

The session saw active inter-departmental participation, highlighting the multidisciplinary nature of innovation:

- **Electrical Engineering Students:** 20
- **Total Attendance:** 20 Students

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#### 3. Key Highlights of the Session

The experts, **Mr. P. P. Rana**, meticulously explained the framework of SSIP 2.0. The session was divided into three core segments:

##### A. Policy Framework and Benefits

The speakers outlined the financial and technical support provided by the Government of Gujarat:

- **PoC/Prototype Support:** Up to ₹2.5 Lakhs for developing a Proof of Concept.
- **IPR Support:** Financial assistance for filing Patents (up to ₹75,000 for domestic), Trademarks, and Industrial Designs.
- **Mentorship:** Access to industry experts and institutional labs.

##### B. Innovation Opportunities in Electrical & Textile

The session explored potential cross-departmental innovation ideas:

- **Electrical:** Smart energy meters, IoT-based home automation, and EV charging solutions.
- **Textile:** Smart fabrics, automated weaving defect detection, and sustainable dyeing processes.
- **Integration:** Development of "E-Textiles" (Wearable technology) using electrical sensors in garments.

##### C. Application Process

Mr. Rana demonstrated the step-by-step process for students to register their ideas on the institutional portal and the criteria used by the scrutiny committee to evaluate project viability.

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#### 4. Outcomes

- **Sensitization:** Students gained a clear understanding of how to convert their final-year projects into startups.
- **Inter-disciplinary Collaboration:** Networking between Electrical and Textile students for future collaborative projects.
- **IPR Awareness:** Increased knowledge regarding the importance of protecting original ideas through patenting.

"The goal is to transform our students from 'Job Seekers' into 'Job Creators'." — *Mr. P. P. Rana*

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#### 5. Conclusion

The program successfully achieved its objective of motivating students to think beyond the curriculum. The Electrical Department plans to hold a "Pitch Day" next month for students who wish to submit their initial ideas for grant approval.

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