PSG Institute of Technology and Applied Research

Neelambur, Coimbatore – 641 062

INTERNAL QUALITY ASSURANCE CELL

Event Title	Best practices at PSG iTech
Event Category	Seminar
Date	10.10.2026
Department	IQAC
Name of the Faculty Member Organised	Dr E Malar, Director IQAC
Resource Person	Dr. A Kumaravel Associate Professor Dept. of Chemistry Dr. V C Mahavishnu Assistant Professor (Sl.Gr) Dept. of CSE
No. of Participants	107

The Internal Quality Assurance Cell (IQAC) of PSG iTech organized a platform for the discussion of Best Practices. Faculty members presented their insights and personal experiences, followed by interactive discussions that highlighted replicable models of academic excellence.

Key Highlights

1. **Theme (SDGs to production-ready software):** The session showed how students are guided from Sustainable Development Goals to production-ready software. Software is not only about writing code but about engineering scalable solutions that empower humanity and sustain the planet. SDC helps students build innovative, inclusive and resource-efficient technologies that serve the campus and community.
2. **Live portfolio and growth path:** Student-built systems were mapped to four goals, and students' progress through four years.
    - SDG 4, Quality Education: Student Induction Programme, Lab Record Generator, Online Exam software and Course Registration System.
    - SDG 8, Decent Work and Growth: Internship Management, Alumni Information System and Faculty Recruitment Portal.
    - SDG 9, Industry and Infrastructure: Expense Management System, Faculty Biometric, Transport Application and Production Server.
    - SDG 12, Responsible Consumption (potential alignment): iTech Canteen, Asset Audit and Tracking, and Stock Management.
    - Students move through Foundation (Year 1), Ideation (Year 2), Execution (Year 3) and Leadership (Year 4), and test their applications with real campus users.

3. **Top systems in production:** Seven flagship systems are live on campus.
    - Transport Application: automated seat allocation for 1,000+ users, replacing first-come-first-served booking.
    - Faculty Biometric: ESSL-integrated attendance platform.

- Faculty Recruitment: digital shortlisting and interview scheduling.
- Exam Seat Allocation: conflict-free seating plans across venues each semester.
- Activity Points Certificate: automatic generation of verified certificates.
- PSG iTech Canteen: real-time stock tracking, reducing food wastage.
- EMS Platform: digitized institutional voucher and expense workflows.

4. **Tangible student outcomes:** Project ownership builds four skill areas.
    - Production-ready code that handles concurrent users securely.
    - Agile and DevOps practice, including CI/CD pipelines, Docker and cloud deployment.
    - System architecture for high availability, fault tolerance and low latency.
    - Empathy and impact: user psychology, accessibility and the environmental footprint of digital solutions.

5. **Placements, alumni and student feedback:**
    - Top offers this year: Soorya S S, 40 LPA (Tolaram); Nivaashini Thangaraj, 35.5 LPA (Visa Inc.); Harsith S, 26 LPA (Walmart). Other offers include Chevron, Caterpillar and Société Générale, and one Morgan Stanley summer internship.
    - SDC alumni from earlier batches work at companies including Oracle, IDFC First Bank, Caterpillar, Nutanix, SAP Labs, IBM and Google.
    - Students said the programme gave them real-time project, server and web-application experience and improved their problem-solving, teamwork and confidence. One reported building five full-stack systems that serve 3,000+ daily users.

The meeting successfully provided a platform for faculty members to share and reflect on best practices in pedagogy and research.





