

PSG Institute of Technology and Applied Research, Coimbatore – 641 062.

Annual Report for the Academic Year 2014 – 2015

- The **Bhoomi Pooja** for the institution was performed on **9th September 2013** with the blessings of trustees, heads of institutions, elders and well wishers.
- The college was dedicated to technical education on **2nd July 2014** in the presence of its **trust board members and all heads of institutions of PSG.**
- The **Administrative Block** was inaugurated by honorable Union Minister for Parliamentary Affairs and Department of Personal **Shri Venkaiah Naidu** on **31st August 2014** in the presence of our trustees.
- The college is **recognized by AICTE** and **affiliated to Anna University Chennai.** Majority of college **seats were filled** within the **first two days** of counseling.
- Our Institution **offers five UG Programmes viz: Civil, CSE, EEE, ECE and Mechanical.**
- **Governing council** meeting was held on **30th December 2014** and valuable guidance from the honorable members were obtained.
- **Anna University Affiliation committee** visited our campus on **23rd March 2015** for studying the **faculty position and infrastructure readiness** for the next academic year **2015 - 2016**; the process went on smoothly.

Orientation Programme

- The **Orientation programme** was conducted on **31st July and 1st August 2014.** **Mr TN Sivakumar, Managing Director, Electronics and Control Corporation, Coimbatore, Mr R Sandeep of Amazon Technologies Bangalore and Mr C Prakash of Ashok Leyland Chennai** delivered motivational and **enlightening lectures to students.**

Student and faculty data

- The overall **student strength** of the college stands at **299**, which includes **114 girl students.**

- A total strength of **180 students stay in the hostel** of which **70 are girl students**.
- **Eight Research Scholars** who were guided by our faculty were **awarded PhD degrees during the current academic year**.
- At present **22 scholars are pursuing** research with our college faculty.
- The college has **38 dedicated faculty members** out of which **18 faculty members** are with **PhD qualification**.

Research

- Already one project titled **“Alternate Materials for Machine Tool Structures funded by DST”** is being jointly done with PSG College of Technology.
- Our **faculty** have **published twenty one research papers**, with high impact factor in **various International journals**.
- The following faculty have prepared research proposals for submission to the funding agencies.
 - **Dr Chandramohan G**, “Improvement of Mechanical Properties of Medium Carbon Steel by Boriding Process” to Aeronautical Research Development Board (ARDB), New Delhi.
 - **Dr Balaji K**, “Development of photosensitive epoxy polymers for various indigenous technological applications” to Department of Science and Technology, Government of India, New Delhi.
 - **Dr Ezhil J**, “Novel 3 D patterning using electrophoretic deposition for micro battery applications” to Department of Science and Technology, Government of India, New Delhi.

I Semester Results

- PSG Institute of Technology and Applied Research is able to perform exceedingly well with a **record pass percentage of 98.66%**; out of **298** students who appeared, **294** students **cleared** all the subjects.
- A notable aspect in this **regard is 100% pass percentage in Mechanical Engineering Department** and the **highest average CGPA was 8.13 in the ECE Department**.

Infrastructure

- **Equipment worth Rs 4.3 Crores** have been added, during the current year in order to meet the academic requirements for the first two years.
- **Our RO plant** with a capacity of **8000 l / day** was commissioned on **25th March, 2015**; it supplies **quality drinking water to all our essential services including the mess.**
- In a similar way, **STP-Sewage Treatment Plant** is also **ready for commissioning** and the same will be **put into service**, with effect from the next month.
- **Three more academic blocks** with about **2.5 lakh** square feet will be ready by **Dec 2015**. It is planned to add a, **library and museum complex**, spread over **1 lakh square feet** by **Dec 2016**.
- A **hostel complex** with **2 lakh square feet**, a **guest house** with **18,000 square feet** along with **faculty quarters** spread over **50,000 square feet** will be **ready by May 2016** for use by students and staff.
- An important unique **world - class facility** that will be added in our institution during next year, is the **convention hall** with a **seating capacity of 1450** covering an area of **70,000 square feet**, the estimated **cost** being **Rs.30 Crores**. The total cost of the above on-going infrastructure development work will be around **Rs.130 Crores**.

Centres of Excellence

- The following **centers of excellence** specifically developed **to make our students industry - ready** are being planned to be established in our institution with an **estimated investment of Rs One Crore**.
 1. **FESTO- Pneumatic Automation Laboratory** in the dept. of Mechanical Engineering.
 2. **National instruments – Virtual Instrumentation Laboratory** in the dept. of ECE.
 3. **Keysight Technologies Laboratory** in the area of **Circuits and Devices** in the dept. of ECE.

Faculty Development Programmes

- **19 faculty** were trained in the area of **Micro Teaching** by **Dr R Krishnaveni**, Professor dept of HR of PSGIM at **Anaikatti** of PSG Institutions on **31st December 2014** along with **Prof Vivek**.
- Our **faculty and non-teaching staff numbering 17** visited **Ashok Leyland, Hosur** on **2nd and 3rd January 2015** and observed the **manufacturing practices** of automotive components.
- A workshop on **“Lesson plan for class work”** was organized on **10th January 2015** in board room for the faculty members, by our senior faculty.

Departmental Association Activities

- The department association activities were **inaugurated** by **eminent experts in the respective fields** and **twelve lectures were organized** by the associations for the benefit of our students.

Industrial visits

- The **students of ECE** visited **ZF Wind Power Ltd, Coimbatore** on **30th January 2015**.
- The students of **CSE** visited **Sakthi Auto components Ltd Pallagoundampalayam** on **6th February 2015**.
- The **students of EEE** visited **L&T Coimbatore** on **6th April 2015**.
- The **dept. of Civil Engineering** organized a visit to **Water Treatment Plant at Siruvani** on **10th April 2015** for their students.
- The **dept. of Mechanical Engineering** also arranged an industrial visit to **Hyundai Motors at Chennai** on **18th April 2015** for the benefit of the students.

Value added courses

- Hands on training were conducted for the **ECE** students on **12th January 2015** on the topic **“Basics of circuit design using Multisim”**; sixty of our students and faculty underwent the course.
- Department of **ECE** conducted a value added course on **“Sensor Interface using LabView”** with faculty and students of PSG College of Technology, on **1st and 8th of March, 2015**; sixteen of our students attended the programme.
- Department of **CSE** conducted a value added course titled **“HTML, CSS & Adobe Dreamweaver CS5”** on **14th March 2015**; forty seven of our students were benefitted.

- Dept of **ECE** conducted hands on training on “**PSPICE Circuit Simulation**” on **10th of April 2015**; Mr Manoj kumar of **Entuple Technologies** was the expert; our **students numbering forty** participated. The first year students from PSG Tech along with their faculty conducted the programme and it was well appreciated.
- **Three faculty from PSG Tech including Dr R Nadarajan** have helped our **CSE students** by way of special lectures.
- A **3D printer** has been **donated by PSG Management** with support from Festo for the **Innovation Laboratory** and students can make their hard prototypes using the same.

Based on student’s feed back

- Our **laboratories**, particularly **Programming Laboratory** is kept **open** in the **Evenings** and **Sundays** for use by students.
- The **Library book issue**, modalities have been **revised** so that the **utilization** of library resources is **maximum**.

College Events

The college staff and students celebrated the **Independence Day**, and **Republic Day** with **addresses** by **Mr Irusupillai**, veteran patriot of Coimbatore by **Dr Jayanthashree Balakrishnan** of PSG College of Arts and Science. They really touched the hearts of our students and kindled their inspiration.

- **Engineer’s Day** was also celebrated by all our students and staff on **15th September** with a special address by **Mr Anand Purushotaman** CEO of **Payoda Technologies**, where he highlighted the importance of **soft skills** for our students.
- **Women’s day “Vatsalya”** meaning **motherly love and affection** was well organized with all our girl students and women staff participating on **11th**

March, 2015. Dr Bhuvanewari of PSGIMSR delivered an inspiring talk on the subject “**Work Life Balance for Women**”.

- **Hostel day** was celebrated on **27th February 2015** in a grand manner, with **100% participation by all the inmates**. Several cultural events marked the highlight of the evening.

Cultural Events

- Our annual cultural event, **ADVAYA** meaning “**One without a Second**” was organized on **7th February 2015** with over **220 students** exhibiting their unique talents in the domains of **Music, Dance Treasure Hunt, Rangoli, etc.** It turned out to be an important event to unleash the potential of our students.

Industry – Institute Interaction Meet

- One day industry institute interaction workshop was arranged on **21st March 2015**. **Mr N Muralidharan**, GM-HR and **Mr C Prakash**, GM Technical, **Ashok Leyland** were invited as chief guests. Lectures on “**Behavioral Competency**” and “**Global Warming**” were delivered to our students.

Award of Scholarships

- On behalf of **PSGG** Trust, **Smt. Prema Govindaswamy** awarded scholarships to **ten** students of our college from various branches. The **scholarship value was Rs.10, 000 each per student**.
- **Mr SK Anand**, another Senior Alumnus of **PSG College of Technology** arranged for scholarship to **eight more students** of our college, the amount being **Rs. 10,000/- each**.

Sports

- **Mr Karthik Vedachalam**, our I Civil Engg student won **Two Gold Medals** in **50m and 100 m Butter-fly Stroke Swimming competition** and **One Silver**

Medal in 50 m Breast Stroke Swimming competition in the Anna University Inter Zonal Tournament.

- **Indoor games** facilities including **Table Tennis/Carrom/ Shuttle Badminton/Professional Gym Equipment two no's** have been set up for use both by our boys and girls. **Recreation room, common rooms** are also ready for use by our students.
- Outdoor grounds are **nearing completion**, though our students have already started using the same.

Green Initiatives

- **Saplings** numbering **7000** were planted by our students, as a part of **ECO Club** and a **green corridor** has been developed around our **campus** for a length of **500 feet**.
- As a part of Green Initiatives, **Solar PV cells of 100kW capacity are being installed** on the roof tops of **administrative and engineering blocks** for meeting the power demands, partially in our institution.

Soft Skill Training

- a) Our students numbering **70** participated in the **YES+ programme (Youth Empowerment Programme)** of **Art of Living** on **5th to 8th of November** and students & staff are **regularly** practicing **Sudharsan Kriya** on Thursdays.
- b) Our **NSS volunteers** have significantly contributed towards **Kashmir Flood Relief Fund, Flag Day** and **“Thalir”** an orphanage for girl children in Coimbatore.
- c) Our students of Civil, Mechanical and ECE branches were trained in the area of **Personality Assessment** in order to identify their **strengths** and **weaknesses**.

- d) An invited **counseling session for girls** on the topic “**Psychological Issues related to Girls**” was organized on **22nd August 2014**. **Dr Jothi** of PSGCAS handled the session.

Tarangini

- Our college has also brought out a **quarterly magazine “Tarangini”** for local circulation among our students and staff where **articles** prepared by our students are **compiled and shared with our community**.

Safety Awareness Programme

- **A safety awareness programme** on fire and safety, was held on **27th February to 2nd March 2015** for the benefit of our students. **Mr V Rangaraju**, Safety Officer, PSG institutions conducted the sessions.

ATM Inauguration

- ATM Centre of **Central Bank of India** was **inaugurated** within the college premises on **20th March 2015**. **Mr P Madasamy, AGM, Central Bank of India** inaugurated the ATM Centre.

Faculty abroad visit

- **Dr N Saravanakumar, HoD of Mechanical** visited **Canada**, with support from **PSG Management** and **presented a paper in ASME Conference held at Montreal** during **November 2014**.

Yoga training for staff

- **Yoga training** is done to girl students by our women **Physical Director Ms. M Priya**, periodically. In a similar way staff are practicing Yoga in the evenings for **20 minutes** separately under the guidance of **Ms. J Poorani, Ms.M Priya** for women and **Dr R Ramesh** for men.

Faculty Awards

- The following faculty namely **Dr S Aramuthakannan, Ms R Tamilselvi**,

Ms V Vilasini and Ms K Lakshmi Kalpana Roy participated in Shot put, Badminton, Singing and Table Tennis have won 1st Prize in the **staff day** competition held for the **staff of PSG institutions** during this academic year.

Workshops and guest lecturers attended by faculty

- Our faculty **numbering nineteen** attended several **workshops, conferences, FDP's** organized by **professional organizations, NITs & IITs.**

Corporate social responsibility

- Our faculty also delivered **six guest lectures** in other institutions as a part of our **corporate social responsibility.**

Patent

- Our **ECE** students **Mr Rathiesh** and team are working on an **innovative patent** in the field of **Automotive Engineering.** We wish them all the very best in their endeavor.