

PSG Institute of Technology and Applied Research

Annual Report for the Academic Year 2016- 2017

1. Academic Performance

- PSG Institute of Technology and Applied Research had performed exceedingly well with a **pass percentage of 95.07%**; out of **954 students** who appeared, **900 students** have **passed all the subjects** in **November - December 2016 Semester Examinations**. “**Our College** stands **first** among **520+ affiliated Engineering colleges** in Anna University for **fifth consecutive semester examinations**, from its inception”.

2. Major Infrastructure

- The total cost of the on-going **infrastructure** (Library, museum and auditorium) development work will be around **Rs.50 Crores**; covering a **square feet area of 2 lakh**.

3. Inaugurations and other important meetings

- **Inauguration of Eco Club** was held on **14th July 2016** by **Dr. Shanmugamurthy Lakshmanan (Shan)**, the Vice-Chancellor of the **Vetha Center for Transdisciplinary Studies, USA**. His talk was on the subject matter “**The Transformative Learning**”. (**100 students**)
- The **Entrepreneurship Awareness programme** was conducted from **15th July 2016 to 17th July 2016** (**96 students**).
- **First year orientation programme** was held on **1st August and 2nd August 2016**. **Mr.Vishnu Potty, Vice-President of Cognizant Technology Solutions, Coimbatore** was the Chief Guest. **Several industry experts** motivated our students. The main theme of the event was **Industry – readiness of the students**. (**300 students**)
- **Inauguration of iTech Dialogue** was held on **5th August 2016** by **Dr.C.Sylendra Babu IPS, ADGP of the Coastal Security Group**. He delivered his talk on the topic “**Take charge of your life**”.(**900 students**)
- The **second iTech Dialogue** was held on **23rd September 2016** and the chief guest was **Mr Arun Krishnamoorthy, Founder, EFI**, who presented his ideas on the topic “**Environment conservation and Youth of India**”. (**300 students**)
- The **Institution of Engineers (India) PSGI students’ chapter** was inaugurated on **05th October 2016**. **Er & Ar C.M Dharmalingam, Chairman, IE Chapter, Coimbatore region** was the chief guest. (**60 students**)

- **68th Republic day** was celebrated on **26th January 2017** and **Professor V Ramachandran, Former Professor of PSG Tech** was the Chief guest; he gave a motivational talk to the students.
- **Planning and Monitoring Board meeting** was held on **11th February 2017**. Several useful suggestions to improve the functioning of the college was made.
- First National Level Intercollegiate Technical Symposium, **Yukta: 2017** was held on **17th February 2017**. In **Yukta : 2017**, “About **2000 students** from various colleges **participated** in the events. It was a unique learning experience for our students; it had **5 workshops & 44 events**.”
- The **third iTech dialogue** took place on **22nd February 2017**. **Mr. Karthikeya Sivasenapathy**, Founder of the Senapathy Kangayam Cattle Research Foundation was the **chief guest; he addressed our students on the topic “Native Livestock for the common man”**.
- Third **Governing Council Meeting** was held on **27th February 2017**. **Dr V K Stalin** from **Anna University** and other members gave **valuable insight** into the functioning of our institution.
- **National Science Day** was celebrated on **1st March 2017** with the theme “**Science and Technology for Specially-abled persons**” and the **Kalaimamani” S.R Krishnamoorthy** was the chief guest.
- **International Women’s day** was celebrated on **8th March 2017**. **Dr.T.Ramya., D.G.O., Associate Professor, Department of Obstetrics & Gynaecology, PSG IMSR** was the **chief guest**. She gave **valuable input** to our **girl students** and **women faculty members**.

4. Centre of Excellence

- The following **centres of excellence** were **established** by various depts. during the academic year.
 - **Product Application Centre (PAC)** was inaugurated in the dept. of **Mechanical Engineering** on **05th August 2016** by **Mr J Anand CEO, Jayem Automotives, Coimbatore**.
 - **NI Graphical System Design Centre** was inaugurated in the dept. of **ECE** on **14th October 2016** by **Mr. Michel Haddad, Academic Director EMEIA, National Instruments**.

- **e-Yantra: Robotics Laboratory** was inaugurated by **Prof P Radhakrishnan**, Director, PSG IAS on **10th February 2017** in the **dept. of EEE**.
- **Padma Bhushan Dr.A.Sivathanu Pillai, MD, BrahMos Aerospace** inaugurated **Innovation Centre** on **10th March 2017** in the dept. of **Mechanical Engineering**.

5. Industry Institute Interaction

- A two day intensive training programme on “**Geometrical Dimensioning and Tolerancing**” was conducted for working engineers of **L&T valves** on **24th & 25th of July 2016** by **Dr P V Mohanram**, Principal and **Dr R Ramesh**, Professor, Mechanical Engineering.
- **Five day training programme** to the executives of **Ashok Leyland, Chennai** was organized from **8th - 14th September 2016** titled “**Strengthening Refresher Programme on GD & T, DFMA, Failure Analysis-FMEA, Fasteners DoE - Module – I**” by **Dr P V Mohanram**, Principal, PSG iTech, **Dr R Ramesh**, **Prof K Anantharaman**, **Dr P Manojkumar** and team.

6. Pedagogy Programme organized by faculty

- A Two-day Residential **Faculty Development Programme** on “**Train the Trainers – A Pedagogical Approach**” for Senior Faculty members of Self-financial colleges was conducted during **28th and 29th June 2016**; it was attended by **22 faculty** from various engineering colleges.

7. Workshop / FDPs / Guest Lectures organized

- A five day Course on “**Android Programming**” was conducted from **28th June to 2nd July 2016** for the students by **Mr. Raghavendra** and **Mr. Rakesh** of **Starworks Technologies Pvt. Ltd., Bangalore. (54 students)**
- A one day **Faculty Development Programme** on **Moodle –The Learning Management System** was conducted on **2nd July 2016**. (**42 faculty** were benefitted)
- A two day workshop on **IoT** was conducted on **29th July 2016 and 30th July 2016** for the students by **Mr.Jaideep Rao** and **Mr.Vinay** of **SAP Labs, Bengaluru. (55 students)**
- A one day Workshop on **Moodle Installation and Administration** was conducted on **2nd September 2016** by **Dr. T. Hamsapriya** through **PSG Centre for Academic Excellence** for the System Administrators of various PSG Institutions. (**18 staff**)

- A one day **hands-on training on Moodle – The Learning Management System** was conducted on **10th December 2016** for the faculty of PSG Polytechnic College. **(35 faculty)**
- A software training programme on **“Open source GIS and mapping”** was conducted from **10th August 2016 to 20th August 2016** by **Mr.T.Arunachalam, Assistant Professor and GIS Analyst, Higher College of Technology, Oman. (55 students)**
- A Hands on Training on "Brick Masonry" was inaugurated by **Er. S. Rajendran, Cost Effective Consulting Civil Engineer, Tanjore** on **13th August 2016. (60 students)**
- A workshop on **“Experiential Learning of Engineering Concepts through LabVIEW”** was conducted on **20th August 2016** by **Mr. M Satish, Senior Marketing Manager, National Instruments, Bangalore. (30 students)**
- The **Institution of Engineers (IE) India Students Chapter** organized a guest lecture titled **“Physical Layer Aspects of Wireless Communication”** on **30th of August 2016** by **Dr.S.J.Thiruvengadam, Professor, Thiagarajar College of Engineering.(69 students)**
- A one-day programme on **“Environmental Conservation”** was organized by Eco Club on **25th August 2016** at **Anaikatti. (249 students)**
- A **guest lecture** was organized by **Science and Humanities Association (SHA)** a multidisciplinary consortium, organized a **Guest Lecture** on the topic **“Mathematics everywhere - Enjoy and Apply”** by **Dr R Arumuganathan, Professor, Dept. of Mathematics, PSG College of Technology** on **7th September 2016. (50 students)**
- Our faculty organized **seventeen workshops, seminars, conferences etc** by all the **Engineering and Science and Humanities departments** in our institution.

8. Workshops, Seminars and Conferences attended by faculty

- Our faculty numbering **ninety nine** attended several **workshops, conferences, guest lectures and FDPs** organized by **various reputed institutions.**
- The **ISTE Chapter** of PSG iTech has organized an awareness programme on **“Intellectual Property Rights”** to the **Faculty and Students** on **18th January 2017. Dr.M.I. Abdul Aleem, Professor and Head of Civil Engineering Department** delivered the **Keynote address. (50 students, 25 faculty)**

9. Micro-teaching

- **Micro-teaching in theory and laboratory** courses were conducted during **June and December 2016** which has helped **47 Engineering department faculty members** to improve their teaching performance.

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

10. R&D Activities

- Research project submitted by **Dr. J. Ezhil, AP/Physics** was sanctioned by the **DST Young Scientist scheme** (Start-up grant) – Engineering Sciences. (**Project cost Rs.32.5 Lakhs**)
- Research project submitted by **Dr G Chandramohan, Vice Principal and Professor, Department of Mechanical Engineering** was sanctioned by ARDB (**Project cost Rs. 8.5 Lakhs**) titled **“Improvement of mechanical properties of medium carbon low alloy steel through boronizing technique”**.
- Already one project titled **“Alternate Materials for Machine Tool Structures funded by DST”** is being jointly done with PSG College of Technology, one of the investigators being **Dr P V Mohanram, Principal**.

11. Other major events

- **Independence Day** was celebrated on **15th August 2016** and **Prof K Joshi, Former Professor, PSG Polytechnic College** was the chief guest of the function.
- A One Day intra-Collegiate Cultural fest **“Advaya 2016”** was organized on **27th August 2016. (900 students)**
- The **NSS unit of PSG iTech**, organized a camp at an orphanage named **“Jeevakarunya Ashram”** in Periyarayackanpalayam on **1st October 2016. 26 NSS volunteers** along with the **NSS coordinators, Mr P Chinnaraj AP/Mathematics and Ms V Vilasini AP/CSE** organized the camp. (**26 students and 2 faculty**)
- **Anna University Affiliation committee** visited our campus on **13th March 2017** for studying the **faculty position and infrastructure readiness** for the next academic year **2017 – 2018** & the visit went on smoothly and we have got **Provisional Affiliation** for the next academic year.
- Third Annual Sports Day **“Sudeva - 2017”** was held on **17th March 2017. Shri.N.Lakshmi Narayanaswamy**, Joint managing trustee, SNR Sons Charitable Trust, Coimbatore was the **Chief Guest**.
- The third **Hostel Day function, Samarta:2017** was held on **March 28, 2017. Dr P R Kandasamy, HoD(Maths) and Dr K Pramila, HoD i/c (English)** were the chief guests of the boys and girls hostel day respectively.

- **7 days NSS camp at Arugampalayam** was organized from **14th March to 20th March 2017**. (48 students; Mr P Chinnaraj & Ms V Vilasini were the faculty coordinators)

12. Electric Car Project

- The **Mechanical & Electrical Engineering** students have **ventured** into the field of **motorsports, designing and fabricating** two electric vehicles, one a **formula race vehicle** and other, an **electric car** and they have come out with flying colors.

13. Wellness centre

- Training programme on **“Life from Students Perspective”** was organized to the faculty on **6th October 2016** by Wellness Centre which was conducted by **Dr. Anuja.S.Panicker, Clinical Psychologist** from **PSG IMS&R**. (30 faculty)
- Training programme on **“Pathway to Success”** was organized for 53 students **Dr. Anuja.S.Panicker, Clinical Psychologist** from **PSG IMS&R**. (53 students)
- A workshop on **“Identifying Role Relevant Behavioural Competencies”** was conducted on **11th November 2016**. The chief guest was **Mr. Muralidharan Nagarajan**, Former GM, HR, **Ashok Leyland**. (65 faculty)
- A two day training programme on **“Transcendental Meditation”** for faculty around was conducted through wellness centre on **25th & 26th November 2016**. The Chief Guest was **Ms. Sashirekha Venkatesh** from **“The Art of Living foundation”**. (48 members)
- **Health through Balanced Nutrition- How to Choose Wisely?**, a workshop was organized on **4th January 2017** and the Chief Guest was **Dr. Rohini Sharma, Associate Professor, Nutrition Department** from **PSG CAS**. (60 students)

14. Placement Training Programme

- **Placement and Training Cell** of **PSG iTech** organized a training programme on **“Konfident-Communication Confidence Building”** with support from **FACE Academy** from **20th June 2016 to 25th June 2016**. (43 students)
- **Placement Orientation programme** was conducted on **7th September 2016** for pre-final year students by **Dr N Saravanakumar, Placement Officer**. (330 students)
- **11 various placement training activities** were organized during the **academic year 2016-17** for the benefit of final year students by the **Placement Section**.
- **“Let’s Talk”**, an initiative of **English Literary Forum (ELF)** was held on **10th August 2016 and 22nd March 2017**. (50 students)

- **“Career in Indian Armed Forces”** was organized on **31st August 2016** by **Lt. Esan and Prof. Anto**, Navy Office. **(120 students)**
- **“Industry-Academia-Conclave 2017”** was hosted on **10th and 11th of March 2017** and was inaugurated by Padma Bhushan **Dr.Sivathanu Pillai, Founder, CEO & MD, Brahmos Aerospace, New Delhi.**
- **GRE classes** were conducted in the **odd semester 2016-2017** in collaboration with the **Princeton Review. (15 students)**
- **Spoken Hindi** classes were conducted once in a week by **Prof P Muruganandan, AP (SI.Gr), Dept. of Civil Engg** to prepare students for their **North Indian tenure. (30 students)**
- **German classes** were conducted **4 days** in a **week** by **Mr S Thivaharan, AP, Dept. of CSE** and **70 students** got **benefitted.**

15. Release of Magazine

- The **Department of Civil Engineering** has released its maiden issue of the News Letter, **“Scripture”** during the **Industry Academia Conclave 2017** on **11th March 2017.** It was released by **Mr.J.Venkatesh, Head-Water Management, L&T, Chennai** and was received by **Dr. G. Chandramohan, Vice Principal, PSG iTech.**

16. Book Publication

- **Our faculty numbering 4** have **published books chapters** during the academic year 2016-17.

17. Sports

- Our student **Mr.S.A.Sakthi Vignesh (Dept. of Mechanical)** won **silver medal in Sepaktakraw- All India Inter University Match** and got **I prize** in **20th Junior National Championship.**
- Ms Sruthi, (III year - CSE) won **gold medal in High Jump - Anna University Zonal Athletic championship- women** and **silver medal in discus throw.**
- Our student, **Mr Karthik Vedachalam** won **silver medal for breast stroke, bronze medal for 100 m butterfly and 50 m free style** in **Inter Zonal Aquatics Tournament** held at **Kongunadu College of Engineering and Technology, Thottiam, Erode.**

18. Kadambari Award

- **Ms. Akhila Joseph, II BE Mechanical Engineering** received the **Best Student Performer 2016 Award** from PSG iTech during the **PSG Kadambari – Musical Festival** held from **5th to 8th January 2017**.

19. Tree Plantation

- As a part of Green Initiatives, **500 saplings** were **planted** on **3rd August 2016**.
- **The World Water Day and Forest Day** was celebrated by the **Civil Engineering Department** along with **Eco Club** on **22nd March 2017**. **Dr. C. Buvaneshwaran**, Scientist, Institute of Forest Genetics and Tree Breeding delivered the key note address. **20 saplings** were **planted** in the new parking area.

20. Faculty visit abroad

- **Dr. K. Balaji**, Assistant Professor, Department of Chemistry, presented his research work entitled **“Studies on Dual Properties of Photosensitive Liquid Crystalline Polyethers”** in the 26th International Liquid Crystal Conference held on **31st July to 5th August 2016** at **Kent State University, Kent (Ohio), USA**. He was funded by **Science and Engineering Board**, New Delhi and the PSG Management.

21. Yoga training for faculty and staff

- One day workshop on **“Stress Management”** was organized on **7th May 2016** by **Mr.S.Jeladharan Nair, Yoga Teacher of Satguru Yoga Vidyalayam. (50 faculty)**
- Ten day programme on **“Promotion towards Positive Health”** was organized on **9th May 2016** by **Mr.Senthil Kumar, Yoga Instructor.(55 faculty)**

22. Faculty Awards – International Women’s Day 2017

- **Dr T Hamsapriya, HoD (CSE) and Ms K D Radhamani** were **honored and recognized** on the occasion of **“International Women’s Day 2017”** held on **8th march 2017** at **PSG Tech**.
- **Dr J Tharrini, AP (SI.Gr), Dept. of Civil Engg** was awarded **Young Faculty Educator Award – 2017** held at **National Foundation for Entrepreneurship Development, Coimbatore** on **8th March 2017**.

23. Scholarships

- Our **students** numbering **74** were awarded the **government scholarships** and **34 students** were offered the **merit-cum-means scholarship** by **17 donors**.

24. MoU Signed

- The **Department of Computer Science and Engineering** had signed **MoUs** with **SAP Labs, Germany** on **2nd September 2016** and with **ICT Academy, Govt. of India** on **5th November 2016**.
- An **MoU** was signed between the **Civil Engineering Department of PSG iTech** and **Association of Consulting Civil Engineers (India)** for **Student Mentoring Programme** on **4th February 2017** during the **Buildmat 2017** at **Coddisia, Coimbatore**.

25. Internship of Students

- **457 students** of five branches have undergone **Inplant Training** and **Internship** in various industries in India.

26. Industrial Visit

- The **students of all branches** had visited **32 industries** during the academic year 2016-17.

27. ISTE Award

- **Ms S. Nagamai** of II year **ECE** and **Mr R. Haswanth** of II year **Mech** were awarded **ISTE Chapter best student award** in **16th ISTE Annual Engineering Student Chapter**.

28. Yugam – 2017

- The students won the **runner – up position** in **Yugam – 2017** held at **Kumaraguru College of Technology**.

29. PSG CARE programmes

- **Our faculty numbering 53** have attended **14 programmes** organized by **PSG CARE**.

30. On-line Course Completion by faculty

- **11 faculty** have **completed** the **On-line courses** conducted by **IITs and NITs**.

31. On-line Course Completion by students

- Our **students** numbering **18** have completed the **On-line courses**.

32. Astronomy Club

- The **Astronomy Club** activity commenced with the guest lecture on **“Introduction to Stargazing”** was held on **10th September 2016** by **Prof K Sakthivel, Adithya Institute of Technology, Coimbatore.**
- The **Astronomy Club** of PSG iTech had organized a **sky gazing event** on **1st February 2017** and **Mr. Sudharshan, AP (Physics), PSG College of Technology** was the **chief guest** of the function.

33. Faculty recognition for their contributions

- Our faculty have published **33 journal papers** in various **reputed international journals** with **high impact factor.**
- During the **Faculty Award Function 2017** held on **5th April 2017**, **55 faculty were recognized** for producing **100% pass percentage** in their courses since inception.
- **Selfless service awards** were distributed to **25 non-teaching staff** and **14 teaching staff**, for their **significant contributions** in various **development activities** of the institution.
- **Excellence awards** were distributed to **10 faculty** for their efforts in establishing **CoE & Labs.**
- **3 faculty** had completed their **Ph.D** and **1 faculty** had **guided Ph.D students** and they were honored during the above function.

34. Other achievements by students

- Our student **Mr S V Pranav** of **II year Civil Engineering** had won **I prize** in the **short film competition of sleepcon 2017** held at **PSG Hospitals, Coimbatore.**
- Our student numbering **6** won **5th place** in the **Smart India Hackathon 2017** held at **Nagpur** for developing **Mobile Application** for **tracking the coach** under the guidance of **Mr Venkatesh, AP (ECE)**; also another set of **6 students** were **finalist** at the **Smart India Hackathon 2017** held at **Amritsar** under the guidance of **Mr S Karthikeyan, AP (CSE)**. The **overall co-ordinator** of the programme was **Prof P Muruganandan, AP (SI.Gr), Civil Engg.**