Connecting Creativity with Technology

PSG College of Technology

FOUNDATION DAY 2023
“Let there be charity, so that others can share my family’s prosperity.”

Shri P S Govindaswamy Naidu
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The temple of learning
The Genesis

PSG College of Technology is a Govt. Aided, Autonomous college, affiliated to Anna University. This is one of the foremost institutions founded by the PSG & Sons’ Charities Trust (1926). The college was conferred autonomous status by University of Madras in the year 1978 which was continued by the Bharathiar University and subsequently by Anna University. Currently, the autonomous status has been extended for another 10 years up to the year 2032.

The College was established in the year 1951. Prof. G. R. Damodaran assumed office as Principal of PSG College of Technology on July 1st while the institution was formally inaugurated on August 26th, 1951. The founders wisely decided to locate it in the same campus as the PSG Industrial Institute for effective industry-institute interaction.

Illustrious Line of Leadership

PSG College of Technology, under the guidance of illustrious Managing Trustees Sri G. R. Govindaraju, Dr. G. R. Damodaran, Sri G. Varadaraj, Sri G. R. Karthikeyan, Sri V. Rajan, Sri G. Rangaswamy and presently under Sri L. Gopalakrishnan, all with foresight and far reaching vision, has been in the forefront of innovation in technical education.

The founder Principal Dr. G. R. Damodaran was instrumental in the planned growth of the institution from the humble beginnings in 1951 to the present status of a world-renowned technological institution.
The Hub of Academic Activities

The College today has student strength of about 8518 with 15 engineering and technology departments besides the computer applications, management sciences, basic sciences and humanities departments.

Among the various Under-Graduate and Post-Graduate programmes offered by the college, as many as 18 programmes were accredited in the year 1997 itself by the National Board of Accreditation of AICTE. The departments are greatly benefited by the expertise of more than 15 visiting faculty from renowned institutions and industries.

Each department conducts annually at least one National / International Conference / Seminar / Workshop for effective dissemination of state-of-the-art technologies and research findings for the benefit of teaching faculty and industries. On an average every year, five short-term programmes on current topics of interest are conducted for the teaching faculty from other colleges with funding from AICTE / ISTE and other agencies.

More than 505 research scholars are pursuing research programmes leading to Ph.D. / M.S. programmes and the college is a recognized QIP centre for Postgraduate and Ph.D. programmes.

Centres of Excellence

Several advanced centres are set up with financial support from the Ministry of Human Resources Development, DST and other agencies. These include: the CAD/CAM/CIM Centre, Virtual Reality Centre, Virtual Instrumentation Centre, Educational Technology Centre, Centre for Non-Formal and Continuing Education, PROJECT IMPACT Centre (a project funded by the World Bank, Swiss Development Corporation and the Government of India), UNDP Jute Project Centre, TIFAC - CORE, Rapid Prototyping and Manufacturing Centre, Festo-PSG Centre for Pneumatic and Control Engineering, Metals Testing and Research Centre, Industry Institute Partnership Cell and CII - TDB TNET Centre.

Global Recognition

The programmes of the college are recognized all over India and abroad. The college maintains close interaction with several R&D Institutions and institutions of higher learning in India and abroad, through institutional network programmes and collaborative research programmes. It also has close collaborative links with industries in the fields of Automotive, Aerospace, Defence, Textile, Machine Tools, Software Development and Consumer durables.
PSG COLLEGE TECHN
Glimpses from the past

Right from the day of inception, the campus of PSG College of Technology has been buzzing with a plethora of activities. Whether it is the first day of orientation, the last day of graduation, or anything in between, we have countless stories to tell and share... Events that showcased talents, creativity, and diversity through various performances and important occasions. Here’s our walk down the memory lane.
An Educational Visionary and Institution Builder

Dr. G. R. Damodaran
Founder Principal, PSG College of Technology
The PSG College of Technology had an illustrious and visionary founder in Dr. G.R Damodaran, a legendary educationist and a multi-faceted person.

Grandson of Sri PS Govindaswamy Naidu and son of Divan Bahadur PSG Rangaswamy Naidu, Dr. GRD studied B.Sc in Mechanical Engineering in UK.

Dr. GRD introduced structures and systems such as industry-institution interaction, sandwich programmes, autonomy of institutions, semester patterns, continuous assessment, project based teaching and applied sciences programmes, interdisciplinary courses and non-formal and continuing education, which have become norms today. He was among the first to usher in management education in the South.

Dr. G.R. Damodaran has also made significant contributions to Tamilnadu's cultural field as a publisher and author through the promotion of the Kalaikathir Press and Publications.

An ardent believer in the power of education in the intellectual and ethical moulding of youth, Dr. GRD established the G.R.D. Educational Trust opening a new avenue in modern education.

Other positions of Leadership held by Dr. G.R. Damodaran

- Chairman of the Southern Regional Committee of AICTE
- Chairman of Government in India's High Power Committee on the reorganization of Polytechnic Education (1969-1970)
- Vice Chancellor, Madras University
- Member of Parliament
- Member of the Legislative Council of Tamilnadu

Dr. G. R. Damodaran

the Founder Principal (1951 - 1970) was succeeded by the following eminent academic administrators as principals

Dr. R. Subbayan (1970 - 1982)
Dr. K. Venkatraman (1982 - 1986)
Dr. A. Shanmugasundaram (1986 - 1991)
Dr. S. Subramanyan (1991 - 1994)
Dr. P. Radhakrishnan (1994 - 2002)
Dr. S. Vijayarangan (2002 - 2005)
Dr. R. Rudramoorthy (2005 - 2019)
Dr. K. Prakasan (Since 2019)
Dear Reader,

On the momentous occasion of our Foundation Day, I am filled with a sense of gratitude and pride when perusing through the history of this institution, one which is deeply intertwined with the tapestry of our nation's history and progress.

During India’s nascent years as a Republic, marked by its declaration in 1950, our visionary founders peered into the future with unwavering hope. They envisioned a nation that would eventually flourish through its self-sufficiency. Central to this vision was the anticipation of a cadre of learned professionals who would steer the country towards innovation and prosperity.

Embedded within the ethos of our college lies the profound motto, “Knowledge and Service,” which directly emanates from the insight of our pioneers. This motto encapsulates their aspiration to cultivate countless generations of learners that not only seek knowledge but also stand ready to dedicate themselves in service to the nation.

In our pursuit of nation building through quality and top-notch education, we have been supported by academicians and mentors. At this moment, I would like to extend my gratitude to them for their dedication and sharing their profound wisdom in shaping the young minds.

The transformative power of education is deeply evident in the success stories of our illustrious alumni community, who have imbued the spirit of our institution and are now trailblazers in their respective fields, both in India and abroad. They stand not only as ambassadors of our institution, but also as beacons of inspiration for our current students.

As we recommit ourselves to furnishing education of the highest caliber, we recognize the importance of equipping our students to embrace the boundless opportunities of the 21st century. A century characterized by unparalleled technological disruptions, demanding a synergy of creativity, critical thinking, and collaborative prowess.

For the past 72 years, our efforts have been aligned with the larger canvas of India’s development, contributing through knowledge, innovation, and a commitment to societal welfare. And I sincerely pledge that we will continue to be a guiding light, illuminating the path to excellence for our nation.

Sincerely,

L. Gopala Krishnan
Managing Trustee,
PSG & Sons’ Chanties Trust
Hearty Greetings on the PSG Tech Foundation Day

Since inception the college worked relentlessly guided by the ideals of the Founders of PSG & Sons’ Charities, the vision of Dr. G.R. Damodaran, the Founder Principal, and the committed visionary management, to provide high quality and affordable education firmly rooted in the traditional values assimilating modern ideas to make education relevant.

While the Nation celebrates 77th Independence Day, it is heartening to note that the college completed 72 successful years adding value through education to the society and empowering the youth.

The growth of Coimbatore is closely linked to PSG College of Technology owing to the contribution of the institution towards the development of high quality infrastructure for MSMEs and other major industries.

I am sure that the Foundation day celebrations will reinforce the network of alumni and motivate the current batch of students for their significant achievements. I congratulate the Distinguished Alumni Awardees for their significant achievements and welcome all the stakeholders to join Foundation Day celebrations and the award function.

To mark the occasion, we are releasing a Coffee Table Book that showcases the genesis of the institution, its various departments and their achievements. The book also offers a glimpse into the memorable past.

I thank all the contributors for this compilation. The dedicated efforts of Dr. K. Vaideli, Professor, Dept. of Applied Science and Dr. P. Sivalumar, Assistant Professor, Sel Grade Dept. of EEE are appreciated and acknowledged. The suggestions and reviews by Dr. R. Natarajan, Director, School of Applied Mathematics and Computational Sciences and Dean, Placement and Training, were very valuable. I also appreciate the role of Mr. V. Saravana, Director-Branding & Corporate Communication who assisted in the execution of this assignment within a short period.

The guidance and support of the Management towards the planning and successful execution of various activities of Foundation Day Celebrations and materialization of the Coffee Table Book are gratefully appreciated.

Dr. K. Prakasan  
Principal, PSG College of Technology
Electrical & Electronics Engineering (EEE) Department was one of the first few disciplines that were started since the inception of the college in the year 1951. The Department has been playing a vital role in producing scientists and technologists of highest calibre ever since its inception.

The department has a dynamic group of faculties with profound experience in academics, research and industry, actively involving in teaching and research in all current areas of Electrical and Electronics Engineering.

The students acquire interpersonal and communication skills from the EEE Association and promote their professional skills through societies like Indian Society for Technical Education (ISTE), and Institute of Electrical and Electronics Engineers (IEEE). The department nurtures a healthy and competitive environment for students’ overall development, and encourages them to emerge as sound Professionals serving the society through technology.

The department’s UG programme is accredited by the National Board of Accreditation for 6 years in 2023.

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**Programmes Offered**

- BE Electrical and Electronics Engineering - 1951
- BE Electrical and Electronics Engineering (Sandwich) - 1983
- ME Power Electronics and Drives - 1998
- ME Embedded and Real Time Systems - 2009

**Significant achievements**

- 136 PhD research scholars, 1500 PG scholars and 3500 UG scholars have graduated successfully since inception
- Received Rs. 50 Crores as grant from various funding agencies like DST, SERB, DHI, AICTE, UGC, ICMR, CSIR towards sponsored research activities
- Generated an amount of Rs. 20 Lakhs through consultancy activities in the areas of calibration and testing of energy meters, testing of cables, motor design, energy auditing, power electronics, electric vehicles, embedded systems, etc.
- Notable Alumni including 4 Padma awardees, civil servants, scientists, entrepreneurs, CEOs, directors, to name a few

- MoUs with industries including LAPP cables, Danfoss, Prosun, Schneider, Texas and Mitsubishi
- 10 state-of-the-art centres of excellence in collaboration with various industries

**Infrastructure**

The EEE department has been receiving financial grants from various agencies through R&D projects. This has led to the development of several research laboratories/centres of excellences in various domains with latest cutting edge technologies.

The department has Centres of Excellence namely, PSG DANFOSS Centre of Excellence in Climate and Energy, PSG-LAPP Centre for Excellence in Cable Technology, PSG-L&T Centre for Excellence in LV Switchgear, Audio-Processing Centre, PSG-PROSUN Centre for Excellence in Solar PV systems, PSG-Schneider Centre for Excellence, PSG-Texas Instruments Centre for Excellence for IoT, PSG-CARES Centre for Industrial cyber Physical System Research, PSG-Mitsubishi centre for Semiconductor devices and PSG – DHI centre for excellence in welding engineering and technology.
Awards & Recognitions

The distinguished alumni of our department Dr. Shiv Nadar (Founder, HCL Technologies), Dr. R. M. Vasagam (Director, Project Apple-ISRO), Mr. G. Govindarajan (Group Director-BARC) and Dr. Mylsamy Annadurai (Director, Chandrayan, ISRO) have received the most prestigious Padma awards from the Government of India.

Our faculty members have received various awards at national/state level in recognition of substantial academic and research contributions. The awards have been conferred by prestigious institutions IEEE, USA, Institution of Engineers (India), NSTE, Danfoss India, DST, ICT Academy, NPTEL, IET (UK) and ISGF.

Research Activities

We offer research programmes that include PhD (full time and part time) and MS (By Research), affiliated to Anna University. Our faculty are actively engaged in sponsored research activities in the areas of machine design, smart grid, smart city, IoT, Deep Learning, Audio/Video processing, to name a few. Various agencies including DST, SERB, DHI, AICTE, UGC, ICMR and CSIR have been funding the research activities in the department to a tune of approximately Rs. 50 Crores.

The department has so far published more than 500 papers in various national and international journals with an h-index of 19 and around 3000 citations.

The faculty have also authored various technical books and chapters in leading publishers namely Springer, CRC Press, Taylor & Francis, Lambert and Wiley, India.

International Conferences

- The department has successfully hosted a number of conferences starting from the year 1973. A series of around 15 National systems conference was conducted, the first one being conducted during 1973.
- In 2011, Danfoss sponsored International Conference on Enhancements in Power Electronics and Controls and W2E, USA, DRDO, TNSCST, CSIR & AICTE sponsored International Conference on Renewable Energy Technologies were organized.
- An International Conference on Intelligent and Efficient Electrical Systems was conducted in 2013 and a DRDO sponsored International Conference on Intelligent and Efficient Electrical Systems in 2017 were successfully organized.
- In 2019, with funding from TNSCST, ADML and Cognizant, an International Conference on Artificial Intelligence, Smart Grid and Smart City Applications was successfully organized.
- Indo - Israel International Conference on Sustainable Cities was organized during 2020 in collaboration with Tel Aviv University & Agricultural Research Organization, Volcani Center.
The Department of Mechanical Engineering was established in 1951 as one of the founding departments. Initially offering an undergraduate program in Mechanical Engineering, the department later introduced five master’s degree programs in Engineering Design, Industrial Engineering, Computer Integrated Manufacturing, Energy Engineering, and Lean Manufacturing. The department also started a unique Sandwich UG program to meet the industry’s growing demands. All these programs have been accredited by the NBA.

Programmes offered
- B.E. Mechanical Engineering - 1951
- B.E. Mechanical Engineering - Sandwich -1983
- M.E. Engineering Design-1962
- M.E. Industrial Engineering-1978

Credentials
- Maintaining strong collaborations with universities and industries in India and abroad
- Established several laboratories in collaboration with various industries
- Offers consultancy services in design, analysis, manufacturing, and testing of products based on BIS specifications
- Undertook several sponsored research projects with funding from various agencies, including DST, AICTE, AR&DB, ISRO, DRDO, BRNS, IGCAR, ADA, etc.
- A total of 55 PhD scholars graduated from the year 2006 to 2023.
- Granted 23 patents from the year 2012 to 2022. They cover a wide range of technologies, including new materials, manufacturing processes, and control systems.

Infrastructure
The department has a library with extensive collection of books and journals and an engineering design center equipped with the latest software for design and analysis.
To support industry-relevant research and development, the department has established laboratories in collaboration with various industries. These well-equipped facilities, including
- PSG-FESTO Centre for Low-Cost Automation and Control Engineering
- PSG-Rane Centre for Manufacturing Systems
- Manufacturing Process Laboratory
- Sensorics Laboratory
- CNC Training Laboratory
- Workshop - CNC Section
- Engineering Design Centre
- Dst-Fist Noise and Vibration Laboratory
- Energy Engineering Laboratory
- Industrial Engineering Laboratory
- Lean Manufacturing Laboratory
- PG CAE Laboratory
- Tribology Laboratory
- Engineering Practice Laboratory
- Machine Tool Research Centre,
- Wind Tunnel Centre, and
- Industry 4.0 laboratory
Awards & Recognitions

The National Board of Accreditation has twice accredited various courses in the department, awarding a Grade 'A' Accreditation for three years in 2001 and for an additional three years in 2006.

Five department programs have received accreditation, including the UG Mechanical Engineering program and the PG programs in Engineering Design and Computer Integrated Manufacturing, which have been accredited for five years.

The department received the AICTE-CII Award for the Best Industry-Linked College in Mechanical Engineering in 2012.

Our faculty members have received several national/state level awards and recognitions from prestigious institutions such as TNAU, South Indian Press Club, IMTMA, IUCCE, USA, etc.

Research Activities

The Dept. has fostered a strong research culture that has resulted in noteworthy contributions. Both full-time and part-time Ph.D. programmes are offered, which is affiliated with Anna University. The department is a QIP centre for postgraduate and doctoral programs that advance the skills of practicing engineers working for government agencies around the country as well as faculty members from various engineering institutes. Research activities have been funded by esteemed institutions such as MHI, DST, DRDL, ISRO, and AR&DB.

Salient areas of research include:

Structural integrity assessment of components of nuclear power plant, High speed machining, Hybrid renewable energy systems, High temperature materials, Energy Harvesting, Supply chain management, Logistics and operations, Inventory management, Smart Manufacturing, Manufacturing Automation, Low-cost Automation, Robotics, just to mention a few.

International Conferences

The department has hosted several national and international conferences such as 8th International and 29th All India Manufacturing Technology, Design and Research Conference 2021 (AIMTDR 2021), Indo-Australian Online Seminar on Composite Materials for Ballistic Protection, International conference on Development and Management of smart cities and homes 2020, National Seminar on Future Global Energy System - Clean Energy Technology, International conference on Enhancements in Power Electronics and its Control.
Established in the year 1951, the Department of Mathematics aims at providing a strong mathematical foundation and computational skills to students to handle industrial and research problems. The department has highly qualified faculty with diverse specialization in mathematical sciences. Through teaching and learning process, the faculty develop problem solving skills in students and also motivates them in pursuing higher studies in interdisciplinary domains needed for industry.

The faculty members have published research papers in reputed journals, contributed as invited speakers at various conferences and workshops in both India and abroad, has received funding research projects, and are in editorial boards of various journals. The faculty are also actively involved in various academic and administrative committees.

**Significant achievements**

- The department has produced 42 doctorates in the field of Applied and Pure Mathematics.
- Established Ramanujan Centre for Computing to students, research scholars and academicians to aid them in research and education.
- Faculty members and research scholars of the department have published more than 266 papers in various national and international journals.
- Undertook several sponsored research projects with funding from various agencies, including CSIR, UGC, DRDO, AICTE etc.

**Awards & Recognitions**

- Dr. P. Muthu Kumar P., received Best Faculty Award, awarded by Arunai Engineering College, Trivunnamalai.
- Dr. A. Ratinasamy received the UGC research award 2012 - 2014 by University Grant Commission, New Delhi.
- Dr. B. Radhakrishnan, received the best paper award in the International Conference on “Current Developments in Mathematics & Mathematical Sciences (CCDSMMS-2014)” organised by the Calcutta Mathematical Society, Kolkata and also received Best Faculty Award from Nehru Group of Institutions.
- Dr. M. Haridass received the award Certificate of Excellence for reviewing by Asian Journal of Research in Infectious Diseases and Asian Research Journal of Mathematics.

**Eminent personality visits and interactions**

- Abel Laureate Padma Bhusan Prof. Srinivas Varadhan, Courant Institute of Mathematical Sciences, New York University, USA, visited and gave a keynote address in the International Conference on Applied Mathematical. Models (ICAMM -2016).
- Prof. Dan Kannan (University of Georgia, Athens, USA), Prof. Rein Nobel (Vrije University, Amsterdam, Netherlands) and Prof. A. Krishnamoorthy (Cochin University, India) graced all our international conferences with their invited talks.
- Prof. Viswanathan Arunachalam of the National University of Colombia, USA, visited and gave a keynote address in the International Conference on Applied Mathematical Models (ICAMM -2023).
Infrastructure

Ramanujan Centre for Computing
As a part of Dr. GRD centenary celebrations, the Ramanujan Centre for Computing has been established in 2013. It is equipped with software such as MATLAB, SPSS, Simul 8, Systat 13, Netsim, and LATEX. This well-equipped centre advances the learners to develop their mathematical skills through computing, and validates the results obtained through analytical methods. This lab also supports students to transform their mathematical knowledge into software programs.

Library
The Library has a collection of books under various titles in Mathematics. Currently, there are 583 books including the areas of Engineering Mathematics, Graph theory, Calculus, Linear Algebra, Probability and Statistics, Stochastic Models, Number theory, Optimization Techniques and Computer Science.

Other Remarkable Activities

- Mathematical Ability Test
  Department of Mathematics is conducting a Bridge Course and Mathematical Ability Test for all first-year B.E / B.Tech students to bridge the gap between the learning practices followed in the school and college. This gave a great impact in the teaching learning process of mathematics courses provided in their curriculum.

- Math Olympiad
  Math Olympiad is conducted annually to all B.E / B. Tech / B. Sc / M.Sc / students. Its main goal is to create interest in Mathematics and to develop problem-solving skills among students.

- Ramanujan Association of Mathematics (RAM)
  RAM is one of the renowned and active associations. The fundamental objective of the association is to make the students to apply their mathematics knowledge for solving real-world complex problems.

Research Activities
Both full-time and part-time Ph.D. programmes are offered by the department, which is affiliated to Anna University. The department is actively participating in research activities like publishing research papers, conducting research seminars and conferences. Faculty members and research scholars have published more than 266 papers in various national and international journals.

Salient areas of research include: Cryptography and network security, Graph theory, Queuing models, Stochastic models, Reliability analysis, Operator theory, Linear algebra, Soft set theory, Fuzzy sets and systems, Rough set theory, Control theory and differential Equation, Fluid dynamics, and Fractional calculus.

International Conferences
To enrich research activities, the department organizes International Conferences entitled "International Conference on Applied Mathematical Models (ICAMM)", once in two years. The series of International Conference on Applied Mathematical Models (ICAMM) organized by our department are

- ICAMM 2014, the chief guest of the function was Prof. B. D. Choi, Sungkyunkwan University, Seoul, South Korea.
- ICAMM 2016, Highlight: Keynote Speaker Abel Laureate Padma Bhusan Prof. Srinivasa Varadhan, Courant Institute of Mathematical Sciences, New York University, USA.
- ICAMM 2018, the chief guest of the conference was Prof. A. Krishnamoorthy, Emeritus Professor (UGC Scheme) Director, Centre for Research in Mathematics CMS College, Kottayam.
- ICAMM 2021, virtual mode conference, the chief guest of the conference was Prof. S. R. Chakravarthy, Kettering University, Michigan, USA.
- ICAMM 2023, sponsored by Defence Research and Development Organisation (DRDO), the chief guest of the function was Prof. Viswanathan Arunachalam, National University of Colombia, Colombia.
The Department of Physics was established in 1951. It is active in conducting short term continuing education programmes for participants from educational institutions and industries. The mission of the department is to contribute to the training of a wide spectrum of students of engineering and technology by offering relevant curricular inputs related to applied physics. Research & Development and consultancy activities are being carried out to achieve self-sufficiency in Hi-tech materials, devices and instruments. Research work in the area of thin film solar cells, MEMS, Lithium batteries, Piezoelectrics, Crystal growth and non-linear dynamics are in progress.

**Significant achievements**
- Fostering and maintaining strong collaborations with universities and industries in India and abroad
- Developed three laboratories with financial assistance from national funding agencies and industries
- Offers consultancy services in synthesis, design, analysis, manufacturing, processing and testing of products
- Undertook several sponsored research projects with funding from various agencies, including Indo-Norway, SERB, AICTE, AR&DB, ISRO, DRDO, UGC-DAE-CSR, UGC, etc.
- A total of 34 PhD scholars graduated from the department
- Published 1 patent in 2017 pertaining to piezoelectric accelerometers for ISRO, Mahendragiri.

**Infrastructure**
The department has a library with good collection of books and journals. To support research and development, the department has established laboratories (academic & research) in strong collaboration with funding agencies and industries. These well-equipped facilities, include
- Thin film center
- Center for Non-linear dynamics
- GRD Center for Materials Research
- Ceramic Processing Laboratory
- Undergraduate Engineering Laboratory
- Advanced Physics Laboratory

**Awards & Recognitions**
Our faculty members have received several international/national/state level awards and recognitions from prestigious institutions such as IUSSTF, UGC, AICTE, and Chinese Academy of Sciences & TNSCST.

**Research Activities**
Department of Physics contributes significant research (theoretical and experimental). Both full-time and part-time PhD programmes are offered by the department, which is affiliated with Anna University. The department’s research has been funded by esteemed institutions such as Norwegian Centre for International Cooperation in Education (Diku), SERB-DST, AICTE, ISRO, UGC, and UGC-DAE-CSR.

**International Conferences**
Established in 1951, the Department of Chemistry actively supports the engineering departments of the college in academics and in conducting research in multidisciplinary areas. It has well-equipped laboratories including state-of-the-art instrumentation facility. A few courses of interest are being offered by the department for various UG and PG programmes including Corrosion Engineering, Fuel cells, Polymer technology, Nanomaterials chemistry, Electrochemical sensors, etc.

The department offers Ph.D. programmes in various fields of chemistry. Faculty members have experience in frontier areas of research and have good number of publications in peer-reviewed international journals. The department has carried out and successfully completed several funded projects through CSIR, UGC, DST, IGCAR. The department also takes up industrial consultancy.

Research Activities

The faculty members are actively involved in research and have several funded projects and publications in peer-reviewed international journals. The research projects focus on multidisciplinary areas covering all aspects of chemistry. Research activities primarily explore the fundamental understanding of materials through physical chemistry methods, synthesis of organic, organometallic compounds and polymers. The faculty members are also actively working on the development of nanotechnology-based sensors, electrochemical sensor and devices.

Major Areas of Research


46 Students have completed their Ph.D. and 3 students are currently pursuing their degree.

Infrastructure

The department has well-equipped laboratories - two Engineering Chemistry laboratories and three research laboratories, catering to the needs of engineering students and research scholars.

Awards and Recognitions

- Dr. S. Senthilkumar and Dr. C. Theivarsu received Young Scientist Fellowship from TNSCST
- Dr. C. Theivarsu and Mr. K. Kaniappan received Best NSS Programme officer award from Anna University
- Dr. S. Vadivel has received Early career Research Award from DST in the year 2016
- Dr. D. Maruthamani has received International Young Researcher Award from International Institute of Organized Research with Ministry of MSME in the year 2021
- Five of our Ph. D. Students have received National Doctoral Fellowship (NDF)
Consultancy and Testing Activities

The department offers testing and consultancy services in spectroscopic, electrochemical studies and wet chemical analysis.

Conferences

The department has organized eight national level conferences and five national level workshops. In addition, five state level workshops and one Faculty development Programme (FDP) has also been organized to boost the research network and visibility. The "22nd edition of National Convention of Electrochemists (NCE-22)" organized by Society for Advancement of Electrochemical Science and Technology (SAEST) and Central Electrochemical Research Institute (CSIR-CECRI) during August 26-27, 2022 was hosted by our department.

Eminent personality visits and interactions

Dr. N. Kalaiselvi, DG, CSIR & Secretary, DSIR, New Delhi visited our Department for the inauguration function of "22nd edition of National Convention of Electrochemists (NCE-22)" held on 26th August 2022.

Major Projects

Fourteen major research projects with total worth of about Rs. 2.43 crores have been obtained from various funding agencies like DST, DST-SERB, AICTE, DAE, IGCAR and UGC.
Started with the objective of developing English language skills, the Department of English holds the unique responsibility of enriching the language and professional skills of the students. Further it facilitates the students to hone their soft skills and exhibit their linguistic abilities to meet the expectations of the industries.

Students are given exposure to soft skills, group discussions, oral presentations and mock interviews. They are also given adequate practices in professional and academic writing.

The department is equipped with qualified and dedicated team of faculty sharing their expertise in various fields of English Language Teaching and curriculum development.

Converse E+ is a series of events initiated in 2021-2022 for effective collaboration and teamwork among the engineering students. The participants were provided with a conducive atmosphere, allowing them to feel comfortable and motivated to improve their communication skills. The winners were awarded medals and certificates.

Infrastructure

The enhanced English Laboratory aims to create a more engaging and effective language environment for our students. The language learning software E-Class SW plays a major role in broadcasting rich content that provide students with access to authentic materials.

Advanced software Net movie broadcasts video and audio facility immerses students in realistic English speaking environments. This enables them to practice language skills in simulated real-life scenarios, enhancing their comprehension, cultural understanding and communication abilities.

Credentials

- Training programs to industry personnel, students and faculty
- Equippering students to appear for the certificate programs such as Business English (BEC), International English Language Testing Scheme (IELTS), Test of English as a Foreign Language (TOEFL) and other competitive examinations
- Won an award and cash prize from the British Council and ELTAI for a workshop on “Why we read what we read” during the ELTAI Annual conference at Loyola College, Chennai
- A sum of Rs.1,85,000 was generated in the capacity of Assessment Consultant for the British Council (2018-2019) which fetched the Outstanding Industry-Institute interaction Award in 2019

Seminars/Workshops/Conferences


Dr. G. Menaka attended a National Base Camp on Radio Enabled Learning at Delhi on 27th May 2010.

The Civil Engineering Department was started in 1953. It consists of 20 full-time faculty members out of whom eight are with PhD qualification and the rest are with postgraduate qualification. In addition, one visiting Professor with PhD qualification also augments the department.

**Programmes Offered**
- BE Civil Engineering- 1953
- ME Structural Engineering-1962

**Fields of Specialization**
The fields of specialization of the faculty include: Structural Engineering, Geotechnical Engineering, Environmental Engineering, Town-planning, Geology, Remote Sensing, GIS, Construction Project Management and Hydraulics.

**Credentials**
- Organized six international conferences, many summer and winter schools, national conferences, seminars, workshops and short-term courses
- Established a very good industry-institute interaction by offering consultancy and testing for various government and private organizations
- Successfully completed two batches of two-year foreman training programs in Plumbing and Civil Engineering for ETA-ASCON, Dubai
- Conducted B.Tech - Construction Management Programme for IGNOU.
- Six Students of Worcester Polytechnic Institute carried out Interactive Qualifying Projects under WPI Global Perspective Program (India Project Program)

**Infrastructure**
The department has its own well-equipped computer center. The laboratories include: Materials and structures laboratory, Concrete laboratory, Soil mechanics laboratory, Environmental engineering laboratory, Survey laboratory, Structural dynamics laboratory, remote sensing & GIS laboratory and Computer laboratory.

**Research Activities**
The department has completed numerous research projects in postgraduate programmes and sponsored projects funded by CSIR, UGC, BARC, DRE, ARDB, MHRD, DST, AICTE, NPEEE etc. Thirty two PhDs have been awarded and twelve doctoral research works are in progress. The faculty has published around 615 technical and research papers in various national and international journals and conferences. Since 1963, nearly 630 postgraduate projects have been completed covering various areas of research. The department has produced 24 Ph.D scholars till date.

**International Conferences**

**Awards & Accolades**
Our faculty members have received several national/state level awards and recognitions from prestigious institutions such as ISTE, AICTE, ACCE, etc.
Functioning as a full-fledged department for the past seven decades, the Department of Humanities offers Economics for Engineers as a regular course and Indian Constitution as a mandatory course for all BE & B.Tech Regular, Sandwich and Part-Time programmes. The department also offers Principles of Management and Entrepreneurship for MCA and M.Sc., five year integrated programmes.

**Significant Achievements**
- Undertook UGC sponsored research project
- Two PhD scholars have graduated till date

**Infrastructure**
The library has a broad collection of books on Economics, Management and Indian Constitution.

**Conferences**
National Level Conference on "Integrating Humanistic Values and Ethics with Higher Education" is organized once in four years.

**Eminent personality visits and interactions**
The department has organised special lectures and interactive sessions by inviting eminent personalities from the University of Washington, IIT Madras and Indian Statistical Institute.

**Awards & Recognitions**
Our faculty members have received national/state level awards and recognitions from prestigious institutions like NCC Officers Training Academy and Bharati Vidyapeeth’s Institute of Management Studies and Research.

**Research Activities**
The Department of Humanities currently have five full time and one part time doctoral research scholars. The members of faculty published research papers in various referred journals. Two-faculty members are recognized as supervisors for the PhD programmes in Anna University.
The Department of Textile Technology, one of the oldest departments started in 1965, educates undergraduate and graduate students for careers in the fibre, textile, and apparel and retail industry. National Board of Accreditation (NBA) of AICTE has accredited B.Tech and M.Tech Textile Technology Programmes since 1997, and the latest is 6 years for B.Tech from 2018 to 2024 and M.Tech from 2017 to 2022.

Programmes Offered

- B.Tech., Textile Technology-1965
- M.Tech., Textile Technology-1971

These programs are designed to provide the student with a thorough knowledge in fundamental concepts. The department is represented in Bureau of Indian Standards (BIS) and in various Governing Bodies like, Indian Institute of Handloom Technology (IIHT), MoT.

All the laboratories in the department are approved for carrying out research leading to PhD Degree/M.S (by research) (Full time and Part time) by Anna University, Chennai. The Textile Institute, UK has accredited B.Tech Textile Technology Programme.

Infrastructure

The library has hundreds of Indian and International books for reference. To support industry-relevant research and development, the department has established laboratories in collaboration with various industries.
- PSGTECHS COE INDUTECH
- Spinning Laboratory
- Weaving Laboratory
- Knitting Laboratory
- Fibre Manufacturing Laboratory
- Textile testing Laboratory
- Chemical processing Laboratory
- Composite manufacturing Laboratory
- DST-FIST Laboratory
- PSG Premier Laboratory

Research Projects

So far 75 PhDs have been completed and 17 are in progress in the department. The proximity of a large number of textile industries in and around Coimbatore ensures mutual growth of the department and industry. The department is well known for its extensive extension activities, in several key sectors of Textile Technology including industrial textiles, nonwovens, hosiery, silk and non-traditional areas like jute and coir based products. There are several sponsored projects currently being undertaken in the department.

MoUs

Department has MOUs signed with the industries such as Carborundum Universal (CUMI), Chennai, Shakthi Knitting, Tiruppur, SauberIntech, Saint Gobain, Renault Nissian for the development of products, testing and training.

Milestones

- Launch of UNDP Jute diversified production cum training centre in 1995
- UG NBA Accreditation 1997
- PSG Lectra Apparel CAD Center 2003
- PSG Premier Textile Test Centre 2001
- Electro-Active Textile Centre 2012
- Wet Spinning Lab & Technology Transfer 2014
- AICTE-CII AWARD & Colouration & Finishing Lab 2015
- Focus Incubation Center 2016
- Textile Composite Lab 2019

Significant Achievements

- Ministry of Textiles, Govt. of India sanctioned Rs 25 crores for the establishment of the Centre of Excellence for Industrial Textiles and Home Textiles and FIC for 2.85 crores for plug and play model for incubation activities.

- Several sponsored research projects were completed with funding from various agencies, including Ministry of Textiles, DST, AICTE, DMRL, DBT, UGC and DRDO to the tune of 350 Lakhs.
Commercial product under the brand “Comfey Care” has been developed & manufactured catering to the breathable, water proof and fast drying sheet for Mattress Protection and baby beds, face masks etc.

Maintaining strong collaborations with universities and industries in India and abroad.

Offers consultancy services in industrial textiles, analysis, manufacturing, and testing of products based on ASTM/BIS specification.

PSGTECHS COE INDUTECH
The department has been sanctioned with Rs.25 crores for the establishment of the Centre of Excellence for Industrial Textiles and Home Textiles and FiC for 2.85 crores for plug and play model for incubation activities by Ministry of Textiles, Govt. of India. PSGTECHS COE INDUTECH was inaugurated by Shri. Santosh Kumar Gangwar, Hon’ble Minister of State (IC), Ministry of Textiles, Government of India. Also the department has got funding from Ministry of Textiles, DST, SDC, AICTE, DMRL, DBT, UGC and DRDO to the tune of Rs. 350 Lakhs.

Awards & Recognitions
The department received the AICTE-CII Award for the Best Industry-Linked Engineering Institute in 2015. Our faculty members have received several national/state level awards and recognitions from prestigious institutions such as ITMF, The Institution of Engineers (India), Indian Technology Congress Association, Lions Club of Coimbatore, Tamil Nadu State Council for Science and Technology, All India Council for Technical Education, PSG IAS etc.

International Conferences
The department hosted several National and International conferences. Five International Conferences on Industrial Textiles - Products, Applications and Prospects have been organized in the last 10 years. In collaboration with IITD, International Conference on Functional Textiles & Clothing Conference FTC 2020 was organized in 2020.
PSGIM is one of the oldest B-Schools in India and it was started as the Department of Management Sciences under the PSG College of Technology in 1964 to cater to the ever-growing need of management graduates in this region which witnessed an industrial and entrepreneurial leap of faith that continues till today. The department was renamed as the PSG Institute of Management in 1994 functioning under PSG College of Technology.

Programmes offered
- MBA-1971
- MBA (Waste Management & Social Entrepreneurship)-2020

Significant Achievements
- PSGIM was the first B-school in India to achieve the ACBSP accreditation in 2011 which certifies that the teaching and learning processes within PSGIM meet the international standards.
- Maintaining strong collaborations with universities and industries in India and abroad
- Established several centre's for excellence in collaboration with various industries.
- Offers consultancy services in Strategic Management, Marketing, Training within Industry, Theory of Constraint, Analytics, ERP, Market research etc.,
- Undertook several sponsored research projects with funding from various agencies and corporate's including UGC, ICCSR, AICTE, TVS, ELGi etc.
- A total of 80 PhD scholars graduated from 1985 to 2022 and 15 on-going research scholars.
- 25 + MoUs with reputable Institutions were signed at national and international level such as NSE, Leeds Beckett University, University of Toledo, Northern Kentucky University, AIMST University Malaysia, etc.

Infrastructure
Trading Lab - 30 terminals are equipped with NSMART-Simulated Market Trading application reproduces features of a live equity/derivative/currency derivative market on trading terminals for students to practice and learn trading securities without financial risk.
- Collaborative Active Learning (CAL) Lab provides students with an active, immersive and interactive learning environment by integrating technology with pedagogical approaches.

- Sales Lab - It focuses on Sales Process Improvement, Product and Service Familiarization, Objection Handling Practice, Role-Playing Scenarios, Feedback and Coaching, Sales Team Collaboration.

Learning Resource Centre
The Learning Resource Centre is housed in a separate building. It has a separate Wi-Fi point and computer hardware in place. PSGIM LRC subscribes to the following electronic resources such as EBSCO Business Source Premier (BSP), Proquest ABI-Inform Complete, Capitaline Plus Database, CMIE Prowess, CMIE Economic outlook, Emerald, Indiastat.com, JGate: J-Gate is an electronic gateway to global e-journal literature.
ALPS (Active Learning Program Service) Annakatti

A powerful idea envisaged by our team to impart management skills through gaming, enable students to be more aware of their strengths, weaknesses, values and the impact of their decisions or actions on others, society and the environment.

Awards & Recognitions

- The Association of Collegiate Business Schools and Programs (ACBSP) announced that PSG Institute of Management (PSG IM), Coimbatore, was awarded accreditation in 2010 and re-accredited in 2022.
- Achieved the distinction of being amongst the first 24 B-Schools to be rated by CRISIL 2010.
- Achieved the highest A*** rating for state-level and a A** star for national level, A*** being the highest possible. Within Tamil Nadu, Institute for Financial Management and Research (IFMR) and PSGIM are the only two institutions as of now and both have received similar grading 2010.
- PSGIM won the AIMS “We School Innovation Award” 2010, 2014 and 2017, in the AIMS Annual Convention.
- Awarded with the "DR. DHARNI P SINGHA SOCIAL RESPONSIBILITY AWARD FOR B SCHOOLS" by the Association of Indian Management Schools (AIMS), a non-profit networking organisation of more than 600 business schools in India in 2012, 2015, and 2016.
- Conferred with "Outstanding B School Award" by the Discovery Education Media Private Ltd at the Indian B-Schools Awards ceremony held in New Delhi in 2013.
- Secured the "Two Palms Award" from Eduniversal in 2013.
- Nominated as one of the top 10 B Schools in India for entrepreneur programs for the year 2022 from India’s leading business magazine, CEO Insights.
- Awarded the Best Innovation - University Education for their submission on UNSDG Embedded Activity Based Learning Innovation in 2022.
- The National Board of Accreditation has accredited various programs in the department, awarding a Accreditation, the recent accreditation for three years in 2023.

Research Activities

The department has consistently emphasized the importance of research in advancing knowledge and contributing to the academic and business communities. Over the years, the faculty and students have been engaged in various research endeavors, leading to significant contributions in the field of management.

Key highlights of the research activities include Pioneering Research Initiatives, Publications in Reputed Journals, Research Projects, Conferences and Workshops, Doctoral Program, Collaboration and Partnerships, Focus on Contemporary Issues.

Some of the key highlights are:

- Produced 80 PhD Scholar’s till date.
- Has got sponsored research worth more than Rs. One Crore from various agencies such as AICTE, UGC etc.
- Has established various centres of excellence such as International Centre for Finance, Centre for Gender Studies, Centre for Family Business and Entrepreneurship, Centre for Pedagogy Research, Centre for Excellence in Teaching and Learning, Centre for Family Business and Entrepreneurship, Centre for Sustainable Development, Centre for Women’s Studies, Centre of excellence in teaching and learning, Centre for excellence in entrepreneurship and family business, Centre for sustainable development.

International Conferences

PSG Institute of Management hosted several national and international conferences such as:

- The Golden Jubilee International Conference on "Sustain, Transform and Transcend" was held during 2014.
- International Conference on Contemporary Research in Management in 2023.
The Department of Electronics and Communication Engineering (ECE) was started in the year 1968. It started with an undergraduate programme in BE Electronics and Communication Engineering which is one among the most sought-after programme in the college, and later offered Post Graduate programmes in ME VLSI Design and MTech Nanoscience and Technology to offer high-class technical education and innovative experience to the students. The ECE department has set up a bench mark in attracting the best students with morality, ethics and culture through the excellent faculty support with good teaching skills and research orientation thus making the students competent enough to contribute to socio-economic development.

Programmes Offered

- B.E., Electronics and Communication Engineering - 1968
- M.E., VLSI Design-2000
- M.Tech., Nanoscience and Technology-2010

Significant achievements

- Maintaining strong collaborations with universities and industries in India and abroad.
- Established laboratories in collaboration with various industries and offers consultancy services in the design, analysis, fabrication, and testing of Electronics and Communication modules as per International Standards.
- Undertook Sponsored Research projects with funding from various agencies, including DST, MEITY, AICTE, UGC, DRDO, INTEL-FICE, World Bank SDC, etc.
- 124 Ph.D. scholars graduated from the year 2000 to 2023.
- Granted with 3 patents, and 9 patents are in the published stage from 2013 to 2022.
- Academia to Industry Technology Transfer materialized for the products developed with the collaboration of DST funding.
- Organized International Conferences such as ICIET -2022 (IEEE Sponsored) and ICAICV -2010.

Infrastructure

A well-equipped library with an extensive collection of 4735 books and 80 Ph.D. thesis catering to the needs of U.G. and P.G. students, Ph.D. scholars, and faculty members.

Established Centres of Excellence and Advanced laboratories in collaboration with industries to support industry-relevant research and development. They are:

- PSG-Keysight Centre of Excellence in Advanced Wireless Technology
- PSG-TI Centre of Excellence for Signal Processing
- PSG-Intel Centre of Excellence in VLSI System Design
- SMDP C2SD - VLSI Design Centre
- National MEMS Design Centre
- PSG-TI VLSI and Embedded Design Automation Centre
- PSG- Keysight Baseband Communication & Advanced Embedded System Laboratory
- PSG-Freescale Embedded Systems Laboratory
- GRD ECE Computer Centre
- Advanced Communication Centre
- Cognitive Radio and Sensor Networks Laboratory
- RF Design Laboratory
- Synthesis and Characterization Nanomaterials Laboratory
- Circuits and Devices Laboratory
- Integrated Circuits Laboratory
Awards & Recognitions

- B.E. ECE is accredited by NBA for 6 years from 2018 to 2024
- M.E. Communication Systems is accredited for 5 years by NBA from 2017 to 2022
- M.E. VLSI Design is accredited for 5 years by NBA from 2016 to 2021
- Recipient of AICTE-CII Award for the Best Industry-Linked Institute under Electronics and Communication Engineering stream in 2013
- Faculty members received several National/State-level awards and recognitions from prestigious institutions such as AICTE, IEEE, Institution of Engineers, IETE, ISTE, Anna University, etc.
- Students participated in National events such as, the Fit India Movement, International Yoga Day, and Hackathons, and won cash awards up to 10 Lakhs in National-level competitions

Research Activities

- Ph.D. (Full-time and Part-time) and M.S (Part-time) programmes offered with 22 recognized supervisors under Anna University affiliation. The research areas include, Wireless communication and Networking, R.F. circuit Design, VLSI Design, Antenna Design, Embedded Systems, Digital Signal & Image Processing, Biomedical Engineering, Machine Learning, Nanotechnology, Microfluidics, and Sensors.
- Research in cutting edge technologies resulted in publications in reputed National and International Journals and Conferences and also in Books and Chapters.
- Collaborative research facilities with esteemed institutions such as MEITY, DST, Texas Instruments, and Intel have addressed the societal challenges such as healthcare, environment, and rural development that contribute to the betterment of the community.
- Successfully completed 41 Sponsored Research Projects and 3 on-going projects addressed to the needs of government and private sponsoring agencies such as DST, MEITY, AICTE, UGC, DRDO, World Bank SDC, INTEL-FICE, and Texas instruments.
- Signed MoUs with Government Bodies and leading industries such as Indian Navy, RIT, Telecom Sector Skill Council, Texas Instruments, Keysight, Intel, Yantra Freescale Semiconductor and Pricol for collaboration in Academics, Training, Consultancy, and Research.
- Organized workshops, seminars, conferences and invited tech-talks in advanced technologies by the renowned experts from academia and industry

Industry Placements and Entrepreneurship

- Our alumni have made noteworthy strides in the
  - Government sectors serving in esteemed organisations like ISRO, VSSC
  - Academia RMIT, IISc and IIT actively contributed to the research and growth of the student community.
  - Industry alumni and Entrepreneurs holding eminent leadership positions, playing a pivotal role in driving innovation and contributing to the development of cutting edge technologies.
  - Students secured placements in many core companies like Texas instruments, Intel, ARM, Qualcomm and CISCO.
  - Summer internships and regular internships provide an ideal platform for the students
The undergraduate programme, BE (Metallurgical Engineering), was introduced in 1968. PSG & Sons' Charities Metallurgy & Foundry division was set up in 1974 and it ensured the industry-oriented academics by the Department. The BE programme has been accredited for 6 years by the National Board of Accreditation (NBA) in 2018.

Under the MoUs signed with BHEL and BHEL Educational Society, Tiruchirappalli, a PG certificate programme on "Welding and Quality Engineering" is run since 2009. A blend of theoretical learning and hands on learning in welding shop floors (BHEL, WRI, Trichy) along with industry related project work enables the students to be ready for industrial jobs.

Programmes offered
- B.E. Metallurgical Engineering - 1968
- M.E. Industrial Metallurgy - 1976

Faculty expertise and Facilities
The Department possesses excellent infrastructure and laboratories to train the students in various fields of metallurgical engineering like physical metallurgy, heat treatment, extractive metallurgy, mechanical metallurgy, etc. The Department has the state-of-the-art facilities in the following laboratories:
- Centre of Excellence in Welding Engineering and Technology
- Metallography laboratory
- Heat treatment laboratory
- Mechanical metallurgy laboratory
- Mineral dressing laboratory
- Foundry sand testing laboratory
- Welding metallurgy Laboratory
- Powder metallurgy laboratory
- Surface engineering Laboratory
- Ceramics and composites Laboratory
- Material processing Laboratory
- Materials characterisation Laboratory
- Non-destructive testing Laboratory
- Computer Laboratory

In addition, the students are given practical training in PSG industrial institute and PSG & Sons' Charities Metallurgy & Foundry.

Research Activities
More than 50 research scholars have received their PhD degrees and another 35 candidates are pursuing their PhD research work. Ministry of Steel (MoS), Government of India had sanctioned MoS chair professor for the Department and MoS students’ scholarship during 2013 - 2016.

Based on the faculty expertise and the facilities available, major research work being carried out are in Biomaterials, Ceramic materials, Foundry metallurgy, Heat treatment, Nanomaterials and many more.

A Centre of Excellence (COE) in Welding Engineering and Technology funded by Department of Heavy Industry, Ministry of Heavy Industries, Govt. of India was established with a sanction of Rs. 26.7 crores.
Consultancy and Testing Activities
The following are the areas in which consultancy and testing activities are being carried out: Metallurgical failure analysis of industrial components, Thermo-mechanical simulation analysis, Welding simulation, Non-destructive testing - LPT, MPT, UT, ET, Quantitative metallography, etc.

Recently, a major consultancy work from National High Speed Rail Corporation Ltd, Mumbai was taken up for assessment of weld quality, review of WPS and welder qualification procedures.

International Conferences
The Dept. hosted several national and international conferences such as Recent Advances in Material Processing (RAMP) in 2006 and 2011. IIM - NMD - ATM 2015, the 53rd National Metallurgists’ Day (NMD) celebrations under the aegis of the Ministry of Steel and the 67th Annual Technical Meeting (ATM) of the Indian Institute of Metals were organised in November 2015.

Students’ Symposium
WOOTZ, a students’ technical symposium is a flagship event being organized for the past 15 years by Metallurgical Engineering Association in association with the Indian Institute of Metals, Coimbatore chapter. The UG and PG students from mechanical, Metallurgical, Production and automobile engineering disciplines from various engineering institutions participate in the symposium.

Significant Achievements
- Established Centre of Excellence in Welding
- Carried out several sponsored research projects
- Maintaining strong collaboration with industries
- Offering industry consultancy services

Awards & Recognitions
Faculty members have received several national / state level awards and recognitions from prestigious institutions such as INAE, IEI etc.
- Dr. P. Gopalakrishnan - Outstanding Engineer Award, IEI Coimbatore local Centre 2021
- Dr. V. Ramaswamy - Prof. Jai Krishna Memorial Award, INAE 2020
- Dr. J. Krishnamoorthi - PSG Teacher of the year Award, PSG Tech 2017
The M.E. Manufacturing Engineering programme was started in 1964, envisioning the requirement for competent engineers to meet demands in various facets of manufacturing. The undergraduate programme in Production Engineering was started in the year 1975 and the 5-year BE Production Engineering (Sandwich) programme was started in the year 2002.

Initially, the programmes were offered by the Department of Mechanical Engineering. Owing to the huge students' strength in these programmes, it evolved as an individual department in the year 2002.

The department offers consultancy in manufacturing processes, design and testing a range of products, including product styling. The department maintains a close liaison with a large number of universities and industries across the globe.

Programmes offered

- BE Production Engineering-1975
- BE Production Engineering (Sandwich)-2002
- ME Manufacturing Engineering-1964

Credentials

The faculty members are recognized by reputable institutions across the globe. The details of the awards and other recognitions received by our faculty members are given below:

- Dr. K. Prakasan - IEI Outstanding Engineer Award (2018) and PSG Outstanding Academic Award (2007).
- Dr. M. Senthilkumar - ISTE Periyar Award (2022), IEI Outstanding Engineer Award (2022), ISTE - AU National Award for Outstanding Academic (2013), and P.K. Das Memorial Award (2013).
- Dr. S. R. Devadasan - Best Emerging Researcher Award in Mechanical Engineering (2016) and Doctor of Science (2008).
- Dr. V. Krishnaraj - Recognized by the University of New South Wales as a Senior Research Fellow.
- Dr. S. Elangovan - IEI Outstanding Engineer Award (2022) and PSG CARE Best Proposal Award (2022).

Dr. S. P. Leo Kumar - Listed amongst the top 2% of scientists in the world (2021), IEI Young Achiever Award (2020), PSG - Best Teacher of the Year Award (2019) and DST-SERB Early Career Research Award (2017).

Dr. J. Pradeep Kumar - IEI Young Achiever Award (2019)

Dr. R. Rajesh - IEI Young Achiever Award (2021)

Dr. R. Mohanraj - IEI Young Achiever Award (2022) and CFR's Certificate of Recognition (2023).

Dr. P. Sadagopan - IEI Outstanding Engineer Award (2014).

Eminent Personality Visits and Interactions

Wing Commander (Retired) Rakesh Sharma, the first Indian astronaut to travel to space, visited the Virtual Reality Centre on 27th February 2006.

Infrastructure

With the expertise of the faculty members and the support from the management, central and state government funding, the department has established several laboratories and centers of excellence. Following are the important laboratories of the department:

- Production and Industrial Engineering Simulation Laboratory
- Ergonomics Laboratory
- Precision Machining Laboratory
- Open Learning Laboratory
- Sensors, Automation and MPS Laboratory
- Metrology and Machine Vision Laboratory
- CAD/CAM Learning Centre
- Production Engineering Laboratory

Centres of Excellence

The department has established the following Centres of Excellence.

- CAD/CAM Centre
- PSG-Janatics Centre for Pneumatics and Automation
- Virtual Reality Centre
- PSG-Maxbyte Centre of Excellence on IIoT
- Centre for Advanced Tooling and Precision Dies

Research Activities and Industry Institute Collaboration

The department is currently working on 6 sponsored research projects and have completed about 58 sponsored research projects from reputed agencies such as the Department of Science and Technology (DST), All India Council for Technical Education (AICTE), Bhabha Atomic Research Centre (BARC), MNES, SIDA, Defence Research and Development Organisation (DRDO), Science and Engineering Research Board (SERB), Aeronautical Development Agency (ADA), Indira Gandhi Centre for Atomic Research (IGCAR), Roots Industries India Limited, Naval Physical and Oceanographic Laboratory (NPOL), The University Grants
Commission (UGC), Council of Scientific and Industrial Research (CSIR), Indian Space Research Organisation (ISRO) and Ministry of Human Resource Development (MHRD).

Till date, over 90 scholars from all over the country have completed their Ph.D. degree programme. The department has established the following research laboratories:

- Composite Material Processing Laboratory
- Product Reliability and Life Testing Laboratory
- PSG-DSIR Consultancy Clinic on Product Styling and Design Laboratory

**Patents & MOUs**

The department has 16 patents registered to its credit so far. The department has signed Memorandum of Understanding (MoU) with TESPA Tools Private Limited, Chennai; ZF Wind Power Limited, Coimbatore; Janatics India Private Limited, Coimbatore; ITC Infotech India Limited, Visual Collaboration Technologies Private Limited, Bengaluru, and Parametric Technology Corporation.

**Consultancy Services**

The department has been offering consultancy services for several organizations not limited to the following: Shreya Die Castings, Calmet, Classic Industries Limited, Sky Industrial Components, Needle Industries (India) Private Limited, RVR Polytech & Machinery Tech, Veejay Lakshmi Engineering Works Limited, Alutech Foundry India Private Limited, Bright Engineering Works, Metcast Services Limited, Larsen & Toubro Limited, Desler India Private Limited, Soupamika Hydrotech Engineering and P D Pumps & Systems, Abirami Technologies Private Limited.

**Major International Conferences**

IFCPAR/CEFIPRA funded Indo-French Research Seminar on Innovation in Manufacturing and Machining of Advanced Aerospace Materials: The "INDO-FENCH RESEARCH SEMINAR" was jointly organized by Clement Arder Institute France and Department of Production Engineering, PSG College of Technology at PSG Tech campus on 2nd and 3rd March 2023, to provide a platform for discussing topics of current relevance and interests of both India and France in the areas of Science and Technology.

Product Life Cycle Modeling, Simulation and Synthesis (PLMSS) conference was held in the year 2011. PSG College of Technology was inducted as one of the trustees in addition to the founder trustees (DRDO, NAL, ADA and IISc) for the PLMSS conference.

**Alumni**

The department has produced about 4000 alumni till date. They serve in reputed government institutions and industries across the country and abroad.
The Master of Computer Applications (MCA) programme is a unique programme envisioned by the Department of Electronics (DoE), Government of India in the 1980s, anticipating the rise of India as an Information Technology superpower and the impending manpower requirements that would be needed to handle the global and in-house demands.

PSG College of Technology is the second institution to have started the programme in India and the first in South India. It was one among 14 institutions selected by the DoE, across India, to run the programme. The 3 year MCA programme was started in the year 1983 with AICTE approval. The programme was inaugurated by (Late) Dr M G Ramachandran, former Chief Minister of Tamil Nadu. The programme is funded by the Tamil Nadu State Government.

The department is accredited by National Board of Accreditation (NBA).

Programme Offered

- M.C.A. - 1983

Credentials

- Established several centres of excellence in collaboration with Industries
- Faculty have published several research papers in National and International Journals.
- The faculty members have successfully completed project funded by UGC, DST, IBM, AICTE, and IIE.
- The faculty members also attend various FDP to upgrade their skills and enhance teaching learning process.

Awards & Achievements

- Dr. A. Chitra, Professor and HOD, won Outstanding Engineer Award presented by Institution of Engineers (India) in 2015, Outstanding Academician Award by Indian Society 2007 for Technical Education and Young Women Scientist Award by Tamil Nadu Council for Science and Technology in 2005.
- Dr. G. A. Vijayalakshmi Pai won AICTE-Career Award for Young Teachers in 2001.

Research Activities

The research projects sponsored by government funding agencies like AICTE, UGC, ISRO and DST have been successfully completed. Department has received a grant of around Rs. 1 Crore and 8 Lakhs from various funding agencies for carrying R&D projects.

National / International Conferences

- The Departments of Mathematics and Computer Applications jointly conducted the National Symposium on Recent Trends in Information Technology on February 1997.
- National Conference on Mathematical and Computational models was conducted once in two year since 2001.
- National Conference on Emerging Trends and its Applications in Computers (ETAC) was conducted every year since 2013.
- Computer Applications Association organizes an annual National level technical event, LOGIN, to bring together student community to showcase their technical skills.
Infrastructure

The department has adequate number of Laboratories to conduct laboratory courses as per the curriculum.

Laboratories of the department include Computer Centre, Intelligent Systems lab, IBM Centre for advanced computing, Wireless Networks and Embedded Systems Lab, IoT Lab and Project Lab. In 2014, a MoU was signed with Aruba Networks International Limited to setup an Aruba Networks Lab with a hi-end Aruba Server. Soft Computing Research Lab was setup in 2015. In 2016, PSG-CDAC centre was setup with a Param Shavak Super Computer. Department of Computer Applications is the first user of Param Shavak in India. The department has also partnered with [24]7.ai. “Project Sunrise” is an initiative of [24]7.ai to support academia in the Curriculum Design, Projects guidance, Internships, Microcredit courses towards making the students employment-ready.
The Department of Computer Science and Engineering was established in 1989. It offers three programmes ME (CSE) started in 1979, BE (CSE) in 1987 and BE-CSE (AI&ML) in 2022. Inception of ME (CSE) and BE (CSE) programmes were under EEE department. The department has partnerships with other leading Academic Institutions, Government and Industrial sectors. Our alumnus excels as technical leads, executives, academic leaders and civil servants.

Programmes offered
- BE Computer Science and Engineering - 1987
- BE- Computer Science and Engineering (AI&ML) - 2022
- ME Computer Science and Engineering - 1976

Credentials
- BE (CSE) programme was ranked among the top 10 in India by Education World in 2021.
- Acquired grants from the World Bank through IMPACT, Swiss Development Co-operation for Manpower Development, The Department of Electronics, VSSC, AICTE, MIT, DBT, DST, DRDO and UGC.
- Produced 56 PhD scholars since its inception.
- Obtained patents in the domains of security, embedded systems and design.
- Carried out technology transfers in Assistive Technologies and Computer Vision.
- Published in peer reviewed and indexed journals.

Infrastructure
The department has a library with extensive collection of 2500+ books. State-of-the-art laboratories include Open-source systems, Networks, Software Engineering, Cloud Computing, Embedded Systems and Big Data Analytics. The department also hosts centre of excellence in Assistive Technologies.

Awards & Recognitions
- Faculty members have received several national/state level awards and recognitions from prestigious institutions. They have also received innovations awards from INAE and ISTE.
- Various other awards including Chrysler Director’s award, Best Teacher awards, Best project awards and Best paper awards.
Research Activities

Both full-time and part-time Ph.D. programmes are offered by the department, which is affiliated with Anna University. The department is a QIP centre for postgraduate programme. The department’s research has been funded by DST, DRDL, DBT and UGC. 56 candidates were awarded with Ph.D degree. Two patents and one design registrations have been granted. Technological transfer on assistive devices and computer vision has been performed. MoUs have been signed with leading industries like CTS, HPE, Yahoo, Nokia, Cloudera, Agna Inc.

Salient areas of research include Distributed Systems, Wireless Networks, Linear Time Invariant systems, Parallel Computing for Engineering Applications, Web service Composition, Personalized Recommender Systems, Cognitive Computing, Data Intensive Computing, Data Analytics, Artificial Intelligence, Blockchain, Medical IoT.

International/National Conferences

The Department hosted several national and international conferences such as: International Conferences on Advanced Computing (ICAC’11), Data Science & Engineering (ICDSE’17), Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC 2019), Data Science and Cyber Security (CDSSCS-2020), High Performance and Intelligent Computing (ICHPIC’22).


Centre of Excellence

The Centre of Excellence for Assistive Technology and Rehabilitation Engineering Solutions (PSG CARES) was established in 2019 with DST-SEED division funding. One of the major objectives of this centre is to design and develop innovative and cost effective wearable / smart healthcare. The centre has done Technology Transfers on Memory Aide and Gait Watch R.

Sports and hackathon winners

Students have also obtained number of awards at co-curricular level including ranking in hackathons conducted by various corporate namely Facebook, Github, Walmart, etc. Students have won National Innovation Contest 2020 conducted by MoE’s Innovation Cell (MIC), AICTE. Students have excelled in games like Tennis, Squash, Football, Sepaktakraw, Basketball and Cycling in State and National levels.
The department was established with an undergraduate programme in Automobile engineering in 1999, and the two year master’s degree in Automotive Engineering in the year 2009. Faculty members have published 200+ technical papers in various National and International conferences and journals since 1999.

Programmes offered

- B.E. Automobile Engineering - 1999
- M.E. Automotive Engineering - 2009

Significant Achievements

Maintaining strong collaborations with universities abroad like Clemson, USA, Esslingen University of Applied Sciences and industries like Bosch Global Software Technologies Private Limited (BGSW).

Established several laboratories and Centers of Excellence in collaborations with various industries and government funding agencies like PACE, CART Lab, PSGTECH’s COE INDUTECH and Fuel Cell Research Centre.

The department maintains a close liaison with a number of universities and industries in India and abroad through faculty research and collaborative projects.

The department offers consultancy services in Chassis Design, Engine Design, FE analysis, and CFD simulations. In the near future, the department aims to start Fuel Testing Laboratory, Advanced Automotive Electronics Laboratory, and a Research center for Alternate Fuels.

Infrastructure

The department has a library with extensive collection of books and journals. It is well equipped with laboratories like PACE Lab, Vehicle Servicing Lab, PSG Motorsports Lab, Electric Hybrid Vehicle Lab, Engine Trouble Shooting Lab, Vehicle Performance and Characteristic Lab, Two & Three Wheeler Lab, Automotive Steering System Lab, Automotive Simulation Lab, Automotive Electronics Lab, CAD & CAE Lab, Fuel Cell Lab, Centre for Automotive Research and Testing Lab & Centre of Excellence - Industrial & Home Textiles.

The software packages available in the department include Pro-E, Solidworks, Solid edge, NX, Siemens, CATIA, Unigraphics, ANSYS, ADAMS, LSDYNA for the faculty and aspiring students to pursue their research and project work. The upgraded facilities in the department include sensors, CVT, Automatic Transmission, etc.
**Significant Activities**

Among the various activities of the department, the SAE stands out with its many guest lectures by eminent personalities from academic and industries. The SAE also plays a very important role in mobilizing student participation by conducting various quiz competitions and seminars. SAE members participate in national level events like BAJA and international events like Formula car racing events.

An annual AUTO EXPLODE exhibition organized by the department exhibits most of the Modern Cars, Race Cars and also Students Innovations. The highlights of the exhibits are Intelligent Traffic System, Active Suspension System and Composite Leaf Springs, etc.

The Automobile Engineering Association (AEA) is actively conducting various Traffic Awareness programmes, Vehicle Maintenance, and Servicing programmes, Automobile Pollution Checkup Camps, etc.

The department has organized several national conferences, international conferences, AICTE sponsored student induction programme and faculty development programs in emerging areas and UGC, CSIR sponsored workshops and seminars.
From a modest beginning in 1999 with a single B.Tech program with 60 students, the department has scaled heights and today offers three programs, one UG program in IT and two PG programs, one in IT and one in Biometrics and Cyber security, with a total student strength of 550.

**Programmes Offered**
- B.Tech Information Technology - 1999
- M.E Biometrics and Cyber security - 2010

**Credentials**
- Obtained NBA accreditation for 6 years for the B.Tech IT program
- PG Programmes M.Tech IT and M.E. BCS are accredited by Washington accord
- Our students are placed in Amazon, Cisco, Deloitte, Juniper, Zoho, Societe Generale, Aricent, Ernst & Young, Valeo, Robert Bosch, IBM, Polaris, Bridge i2i, Tevel, Cyber corps and many more products and service based companies
- Number of PhD Scholars graduated till date: 28
- Patents - The department has secured three national level patents

**Infrastructure**
The department has well-equipped laboratories such as
- Information Technology Laboratory
- IOT & Hardware Laboratory
- M.TECH Information Technology Laboratory
- M.E Biometric and Cyber Security Laboratory
- PG Project Laboratory
- Juniper Networks Laboratory

**Awards & Achievements**
The department has successfully completed many sponsored projects; the recent ones are as follows:
- An AICTE sponsored project entitled, "Approaches to Enhance Security and Privacy in Fog Computing-based Web of Medical Things" was completed by Dr. Anitha Kumari K, as principal investigator by 2022.
- A DST sponsored project entitled, "Design and Development of AI powered Cognitive Remediation Therapy through Gaming for Schizophrenia patients" headed by Dr. Uma Maheswari J, as Principal investigator got completed by 2023.
- A DST sponsored active project headed by Dr. Shina Sheen as Principal investigator and constituting around 9 co-investigators is scheduled to get over by 2027.

**Major International Conferences**
- An IEEE sponsored International Conference on "Intelligent Systems for Communication, IoT and Security" (ICISCoS - 2023) was organized in Feb. 2023.
- A CSIR sponsored International Conference on "Artificial Intelligence for Sustainable Applications (ICAISA - 2021)" was organized in Dec. 2021.

**MOUs Signed**
- The MoU made between the Boston Creative Company and PSG College of Technology entered on 22.05.2019 got further extended for a period of 3 years commencing on 22.05.2022.
- A MoU has been signed between PSG College of Technology and SETS, Chennai in 2021.
- A MoU was entered between Samsung R&D Institute India-Bangalore Private Limited and PSG College of Technology dated on 15th July 2019.
- IT department signed a MoU with Boston Creative Company (BCC), Malborough, USA, on 22nd May 2019. Also the industry sponsored an infrastructure in the department by setting up a laboratory "PSG - BCC Learnovate Center"
Faculty Achievements:

Outstanding awards
- Dr. K.R. Chandran - Outstanding Engineer award by IEI and SITRA
- Dr. K. Umamaheswari - Women Researcher Award from Science Father, Excellent Partner 2020 (Mentorship) awarded by Samsung Prism
- Dr. D. Karthika Renuka, INDO-US WISTEMM Postdoctoral Fellowship, 2020 and received Women Scientist under the category of Machine Learning, 2021.
- Dr. B. Vinoth Kumar, awarded Partner in Growth-2020 by Samsung Prism.
- Dr. K. Anitha Kumari, Shri P K Das Memorial Best Faculty Award under CSE (Senior) category, 2022
- Dr. S. Sarathambekai, Best Researcher in Swarm Intelligence, by Rula in Collaborations with WRC, 2019
- Dr. T. Vairam, Research Ratna Award, by Rula in Collaborations with WRC, 2019

Books Published
- Dr. D. Karthika Renuka, Dr. K. Umamaheswari, Dr. K. Anitha Kumari, Dr. B. Vinoth Kumar, Ms. D. Dharani

Abroad Visited faculty
- Dr. K. Umamaheswari, Dr. D. Karthika Renuka, Dr. V. Mahesh, Dr. R. Senthil Prabha, Dr. S. P. Rajamohana, Dr. E. G. Radhika, Ms. C. Akalya Devi visited Singapore, Malaysia, Poland, Taiwan, Thailand, Canada and USA

Editors and Reviewers:
- Dr. K. Umamaheswari, Dr. D. Karthika Renuka, Dr. K. Anitha Kumari, Dr. S. Sarathambekai, Dr. R. Rekha, Dr. T. Vairam and Dr. R. Senthil Prabha.

Sponsored Research Projects: 9 (Completed: 6, Ongoing: 3)
- Dr. D. Karthika Renuka, Dr. K. Anitha Kumari, Dr. B. Vinoth Kumar, Dr. K. R. Chandran, Dr. K. Umamaheswari, Dr. R. Senthil Prabha and Ms. N. Ravitha Rajalakshmi

Patents Filed: 9 and three granted
- Dr. T. Sivakumar, Dr. K. Anitha Kumari, Dr. R. Rekha, Dr. R. Senthil Prabha, Dr. K. Umamaheswari

Technovator Projects completed
- Dr. V. Ilayaraja, Dr. K. Anitha Kumari and Ms. N. Ravitha Rajalakshmi

Student Achievements:
Event name: National science and Technology fair
Event date: 29 Aug 2019
Event venue: Codissa, Coimbatore
Event Conducted by: Codissa
Students: Naveen Raj, Kokila, Pradeepa, Adithya Harish
Event name: Kriya 2020
Event date: 22 Feb 2020

Event venue: PSG College of Technology
Event Conducted by: Students Union of PSG College of Technology
Students: Adithya Harish, Priyadharshini G

Event Name: Caterpillar India Hackathon
Event Date: 04/sep/22-05/sep/22
Event Venue: PSG College of Technology
Event Conducted by: Caterpillar Inc.
Students: Guna M, Sairam Vaidya, Rajeev Gondi

Event Name: Caterpillar CODE-A-THON
Event Date: 17th July 2022 (48 hours hackathon)
Event Venue: PSG College of Technology
Event Conducted by: Caterpillar Inc.
Students: Rahul Gunaseelan, Srinivasan K, Dinesh C, B Srivathsan

Event Name: Smart India Hackathon 2022
Event Date: 25 & 26 August 2022
Event Venue: Dr. B. C. Roy College of Engineering, Durgapur, West Bengal
Event Conducted by: Innovation Cell of Ministry of Education Prize Won: 50000
Students: Harihararam S, Kaushik S, Harishankar S, Akash S P

Event Name: GE HACK-E-LTH 2022
Event Date: 9th November 2022
Event Conducted by: GE Healthcare as a part of the SynerGE 2022
Prize Won: First Runners up and with reward money worth Rs. 1,00,000/- [One Lakh only].
Students: Gokula Krishnan S, Dinesh C, Siva Bharathwaaj SS, Saideepika P

Event Name: Fight Byte - Kriya 2023
Event Date: 26 Mar 2023
Event Venue: PSG College of Technology
Event Conducted by: Students Union of PSG College of Technology
Students: Mohamed Fazil Z, Harishankar S, Swastika M P
The department was established in 2000 with a vision to explore the extensive applications of biological organisms and processes in industrial, medical, agricultural, and environmental engineering. The Department has been devotedly shaping and nurturing highly skilled professionals since its inception.

Our academic ecosystem is geared towards fostering entrepreneurship and supporting start-ups, enabling them to harness the full potential of this dynamic field. Our B.Tech program was accredited four times and M.Tech program twice by the National Board of Accreditation (NBA).

Programmes offered

An efficient team of highly qualified, trained and dedicated professionals provide quality training and excellent research opportunities to the students. The research environment is excellent due to well-equipped laboratories.

Infrastructure

The department has laboratories for bioprocess, Bioinformatics, genetic engineering, immunology, cell biology, microbial technology, enzymology and biotechnology application development. The laboratories have state-of-the-art equipment for training and research.

In 2019, two dedicated research centres were established - the "Centre for Environmental Analysis and Solution" and the "Centre for Biological Big Data Analytics" to support advanced research in the field of environmental engineering and computational biology, respectively.

Currently, there are 10 laboratories and two centers for research functioning in the department. Animal studies for the research and training purposes are carried out at the animal house facility of PSG Institute of Medical Science and Research. A poly house facility is also available within the college premises to facilitate the pot culture and hydroponic experiments.

Contributions/Achievements/Awards

Our faculty have served as the member of Engineering/Technology Accreditation Evaluation Committee of National Board of Accreditation, received "Top performing Mentor" awards from Swayam - NPTEL, India, AWSAR AWARD (Augmenting Writing Skills for Articulating Research) from the Department of Science and Technology (DST), Government of India, the Young Achiever Award from the Institute of Engineers, India and also featured in top 2% of the world’s most cited scientist for the year 2021-22 in the area of energy/chemical engineering, compiled by Stanford University, USA.

Our faculty members consistently receive acclaim for their exceptional research contributions, securing top awards for their papers and posters presented at both national and international conferences.

Eminent Personality visits and interactions

The Department has been privileged to host distinguished personalities from both industry and academia:

- Dr. John Price, Associate Professor from Victoria University, Melbourne, conducted a highly informative and enlightening short-term GIAN course titled "Cancer Metastasis: Biology, Research, and Treatments."
- Prof. A. Schmid, a distinguished Professor from the University of Applied Sciences, Germany, during his visit conducted a significant short-term GIAN course focusing on "High-Rate Bioreactors for the Treatment of Industrial Wastewater."
- Dr. Delphine Dean, Associate Professor from Clemson University, USA, conducted an enlightening short-term GIAN course on "Nanomechanics of Biological Systems."

These esteemed guests interacted with our faculty and students, fostering a collaborative atmosphere and encouraging valuable discussions. They generously shared their profound knowledge and experiences, opening new horizons for potential research partnerships and higher study opportunities.
Major Areas of Research

Sponsored Research Projects
The department has successfully undertaken a total of 37 externally sponsored/funded projects. Among these projects, 28 were carried out by faculty members, while the remaining 9 projects were conducted by research scholars/students.

The faculty projects received funding from major organizations such as DBT, DST, DRDO, UGC, ICMR, and others. Similarly, student projects were sponsored by DST, DBT, BIRAC-E YUVA, and INUP, IISc. The projects undertaken were elevated to the levels of technological transfers, patents and research publications.

Centres of Excellence
Centre for Environmental Analysis and Solutions
Established in 2019, Centre for Environmental Analysis and Solutions is a sophisticated lab facility dedicated to carryout research related to environmental technology and remediation.

Centre for Biological Big Data Analytics
Established in 2019 with the support of DBT, Government of India, the centre facilitates research in the field of bioinformatics and computational biology.

Major International Conferences
- An International Conference on Natural Resource Restoration Technologies was organized on 17th and 18th April 2015
- An International Symposium on Biologics and Biosimilar was organized on 28th and 29th August 2020
- International Short Term Course GIAN course on “NANOMECHANICS OF BIOLOGICAL SYSTEMS” was organized on 19th to 24th August 2019 funded by MHRD, Govt. of India.

Industry / Institute collaborations
The department has scientific interaction with industries like SAMI labs, Bangalore, Senthil Papain and Food Products (P) Ltd., Coimbatore, T. Stanes Company Ltd., Coimbatore, Pratishtha Industries, Secunderabad, ITC, Bangalore, Genotypic Solutions, Bangalore, Biocon Pvt. Ltd., Bangalore and Institutions like IITM, Chennai, IISc, Bangalore, TNAU, Coimbatore, IITG, Guwahati, BITS PILANI, Mizoram University and Banana Research Center, Trichy.

MoUs Signed
- Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Germany – Collaboration for research and developments in “Water Treatment” - 2023
- Alagar Resins Pvt. Ltd., Virudhunagar - 2021
- Best Colour Solutions India Pvt. Ltd., Erode - Industrial visits, project work, research and development, sharing of infrastructure, library and laboratory, student training and internships, participation in curriculum design and development - 2021
- Mr Naveen, Director Tulit Ahara Bengaluru - 2018
- Hong Kong Baptist University - 2017
- Watsan Envirotech PVT. Ltd., Chennai - 2016

Major Consultancy Activities
The department offers consultancy services to academia and industry in the following areas:
Bioprocess economization, Chromatographic analysis, Enzyme application technologies, Product development troubleshooting - industrial enzymes and Nutraceuticals, Water quality testing, Hapten modification for immunogenicity, Cytotoxicity Assay.
Established in the year 2006, Biomedical engineering is an evolving field that brings together engineers, scientists and medical professionals to offer interdisciplinary insight into medical and biological issues. Biomedical engineers employ engineering principles and quantitative science to uncover new biological phenomena, understand human health, and improve treatment outcomes. The department has a history of producing highly qualified engineers and has seen alumni from throughout the globe advance this area of study. The ecosystem promotes entrepreneurship and aids start-up companies in utilizing the advantages that the industry has to offer.

Programme offered
- B.E Biomedical Engineering - 2006

Significant Achievements
- 3 products developed by the department have had their technology transferred to industry.
- 24 consultancy projects have been completed.
- 10 MoUs with reputable industries were signed.
- 9 national level patents have been published, and one patent has been granted.
- The department has received research funding support from a number of organizations, including the DST, AICTE, DRDO, UGC, and others.
- From 2006 until 2023, the department produced 32 PhD candidates. 14 PhD scholars including 3 NDF scholars are now pursuing research.
- Under the Study Abroad program, few students have taken up courses and internship at various top-ranking universities such as RMIT University, Flinders University, Australia; Technical University of Munich, Germany; Cardiff University, United Kingdom, etc.

Infrastructure
The library has a vast collection of books and journals. PSG-TI Centre of Excellence for Medical Electronics was established in collaboration with Texas Instruments, Bengaluru, with an objective of developing portable health care products, point of care devices, home health care devices and wellness monitors. The department is well-equipped with a number of facilities to provide students with hands-on training which in turn will aid in their transition into becoming entrepreneurs through product development.
- PSG-TI Center of Excellence for Medical Electronics
- Medical Informatics Laboratory
- Computational Biomechanics Laboratory
- Vision and Machine Learning Laboratory
- Electronics and Instrumentation Laboratory
- Embedded Systems Laboratory
Awards & Recognitions

- The UG Biomedical Engineering program is NBA Accredited since 2013.
- Organized several International Conferences, National Conferences, workshops, FDPs and project exhibitions in collaborations with several industries and institutions.
- Faculty members have won numerous national and state-level honors and accolades from esteemed organizations including the IIT Madras; National University, Singapore; University of Jaffna, Sri Lanka; ATAL Academy; and NSTEDB.

Technology Transfers

- “Automatic airway pressure device” developed was transferred to Roots Industries, Coimbatore.
- “Intelligent wheelchair” developed was technology transferred to STEPS Knowledge Solutions, Coimbatore.
- “Hear sight – audio vision” developed was transferred to Advantech Safe Life, Coimbatore.

Research Activities

The department is engaged in a variety of research initiatives that are supported by multiple organizations, including DST, DRDO, AICTE, and UGC. It has successfully transferred three technologies to leading industries for product development as a consequence of the research. The department has produced more than 200 high-quality research articles on a national and international scale.

International Conferences

Two international conferences were held till date: “International Conference on Engineering in Medicine and Life Sciences (ICEMLS - 2019)” during 19th – 21th December, 2019 and “International Conference and Exhibition on Biometric Technology” during 2nd – 4th September 2010.
The B.Tech. Fashion Technology programme was started in 2006 under the department of Textile Technology. One year later, in 2007 the Department of Fashion Technology was established and since then the department offers the B.Tech. Fashion Technology programme.

This programme has been developed distinctively to provide students with knowledge to strive and excel in understanding and integrating the areas of technology and management and to respond to the diverse needs of the technologically advanced and creative fashion industry. The programme accredited by the National Board of Accreditation for 6 years (up to 2028). With its comprehensive and industry-focused education in fashion and apparel technology and strong academic structure, facilities, industry collaborations, and placement support, the programme has emerged as a leading programme for aspiring fashion professionals in India.

Programme Offered
- B.Tech. Fashion Technology - 2006

Credentials
- Highly qualified and committed faculty members
- Well-equipped laboratories for gaining practical experience and hands-on training
- Strong ties with the fashion industry
- Collaborative initiatives with renowned fashion houses, textile manufacturers, and research organizations
- Guest lectures by industry experts, internships and industry visits
- Through the UGC Major Research project, an instrument named FabFric® has been developed, for measuring the in-vitro and in-vivo interfacial friction between human skin and fabric.

Significant Achievements
- 3 Centers of Excellence established in collaboration with Industries
- 6 MoUs signed with industries
- 2 patents granted and 2 patents published in the Indian Patent Office
- Completed Research projects worth Rs. 1.35 crores sponsored by DST, UGC and NIMI
- Department offers Doctoral Research programme
- Initiated a Student start-up ‘Fabino’ in association with PSG STEP and Entrepreneurs Club
- Developed a textile testing instrument “Fabfric” to measure interfacial friction between fabric and human skin

Infrastructure
The department has well-equipped with state-of-the-art laboratories which facilitates practical learning in Apparel and Fashion. The laboratories are:
- Surface ornamentation laboratory
- Garment construction laboratory
- Pattern Making laboratory
- Apparel Testing and Quality Assurance laboratory
- Apparel Machinery and Equipment Laboratory
- Fashion CAD Laboratory
- Lectra - PSG 2D and 3D Simulation (Virtual) laboratory
- PRO SMV - Software simulation laboratory
- Apparel resource center with fabric library
- PSG-LECTRA Apparel CAD Centre
- Research and Product Development Centre

Library
The department also has a library with textbooks, Fashion magazines, technical journals, and UG and PhD thesis for students’ reference.

Research Activities
Faculty members and students actively participate in research projects, paper publications, and presentations at national and international conferences. The department has a strong research base with numerous publications in internationally reputed journals.
- Out of eleven faculty members, eight are PhD holders and recognized supervisors of Anna University.
- 8 PhD scholars are pursuing research in full-time/part-time mode.
- Students have won National level best project awards and have got sponsored projects from funding agencies
- Numerous textbooks and book chapters are published by faculty members
Training and Internship with Industries
Our students are continuously and compulsorily undergoing various internship training programs in reputed industries all over the country. They get exposure to practical knowledge on the manufacturing process, technology & machineries, merchandising management & quality assurance systems.

Institute Industry Interface
Coimbatore and nearby Tiruppur have the unique distinction of having all types of apparel and related industries. PSG Tech enjoys strong interaction with these industries by virtue of its pivotal position.

One Credit Courses
Students of Fashion Technology can opt for one credit course, handled by experts from reputed industries on key areas of Technology and Management. Some of the one credit courses offered by the department are: Retail, Analytics in Apparel Business, Plant Lay out and Facility Planning, Fashion Show Production, Market Research and Analysis.

Placements
The department provides 100% placement to students in national and international level organizations. The leading apparel manufacturers like Arvind Brands, Aditya Birla, Epic Garments, Decathlon, Uniqlo, etc., are the prominent recruiters. The department's placement is highly backed up by its own alumni network and constant industrial exposure.

Achievements / Awards Received
- Dr. R. Rathinamoorthy received Young Engineer Award 2017 awarded by Institution of Engineers
- Dr. M. Parthiban received PSG Teacher of the Year 2018 awarded by PSG and Sons’ Charities
- Dr. R. Rathinamoorthy, Associate Professor, received Dr. R. Sundaramoorthy Outstanding Academic Award in the year 2023

Alumni
The department of Fashion Technology has so far produced 896 Alumni. The alumni are found working in civil services and holding prestigious positions in Apparel, IT and other Industries located in India and abroad. A significant amount of alumni are shining as entrepreneurs and performing well in their business.

Achievements of Students at the National Level
- Ms. Smithi S. won second prize in the ED Global Entrepreneur Award and a cash award of Rs.8 lakhs in 2021-22. She owns a startup ‘Shika Creations’ in Terracotta Jewellery making, developed during her period of study.
- Mr. Sibin V., won second prize in the State level logo design contest and a cash award of Rs.75,000/- in 2022-2023 organized by Dept. of Handlooms, Govt. of Tamil Nadu.
- Mr. C.S. Balajee won first prize (southern region) in the International Design Competition organized by Society of dyers and colorists in 2011.
- Ms. Raja Balasaraswathi S. won Third prize in a National level project competition for students in Textile domain organized by VTIT, Mumbai in the year 2021.
- Ms. Raja Balasaraswathi won the National level project competition 'Young Research Fellowship' conducted in the reverential memory of Dr. A.P.J. Abdul Kalam organised by TERRE Policy Centre in the year 2019-20.

CENTERS OF EXCELLENCE

PSG-Assyst Bullmer - Mehala Fashion Studio
Established in 2006, PSG-ASSYST BULLMER - MEHALA FASHION STUDIO has the first of its kind 3D Fashion CAD software "Vidya" and 2D Fashion CAD software, 'Assyst CAD'. It provides a platform to develop virtual samples that eliminates the need for preparation of multiple samples. The Fashion CAD laboratory trains students in enhancing their creativity in fashion designing with the help of software like Adobe Photoshop creative cloud, speed step and Pro SMV for industrial engineering.

PSG-Lectra Apparel Cad Centre
Established in 2006 in collaboration with the leading manufacturer of apparel CAD systems, M/s Lectra Technologies, the PSG-LECTRA Apparel CAD Centre is equipped with state-of-the-art LECTRA CAD software like Modaris, Diamino, Kaledo collections and 3D fit. It also possess fabric CAD software like KaledoWeave, Kaledo Knit and Kaledo Print.

The centre helps the students to augment their skills in the area of Fashion Design Creation, Fabric Design Development & Simulation, Computerized Pattern Making Grading, Maker Planning and 3D fit.

PSG-Siruba-Mehala Apparel Machinery Centre
Established in the year 2006 in collaboration with M/s. Siruba, Taiwan and M/s Mehala Machine Works, Tiruppur, PSG - SIRUBA Mehala Apparel Machinery and Equipment Centre is equipped with different types of industrial Sewing Machines. The students are well exposed to these machines and their various mechanism and components.
Major International Conferences
- Dr. G. Thilagavathi, Dr. P. Kandhavadivu & Dr. S. Sudha organized an International Conference on “Health care and Hygiene textiles (HEAT 2010)” from 30.07.2010 to 31.07.2010.
- Dr. P. Kandhavadivu, Dr. R. Rathinamoorthy, Dr. V. Parthasarathy & Dr. R. Surjit organized an International Conference on “Sustainability in Fashion Design and Manufacturing (Sifdm - 2021)”, from 11.06.2021 to 12.06.2021.

National Conferences
- Dr. P. Kandhavadivu, Dr. S. Sudha & Mrs. V. Yamuna organized a National Conference on “Fashion Designing in Indian Context - An Environmental and ethical view”, from 22.02.2014 to 23.02.2014.
- Dr. R. Ramachandran and Dr. P. Kanakaraj organized a National Conference on “3D for Haute Couture Fashion”, from 12.09.2015 to 13.09.2015.

Industry / Institute Collaborations
MOUs Signed with
- Exlant Technologies Private Limited, Bangalore to provide training on textile and apparel ERP to students, faculty, and industry personnel.
- M/s Kairali Exports, Trivandrum to study the scientific basis of the ayurvedic dyeing process, analysis of dye bath remnants after dyeing, and find the possibility of using the remnants for farming. One consultancy project worth Rs.1,50,000 was completed.
- Arvind Textile Process, Tirupur for studying the biological effluent treatment process, analysis of effluent characteristics, and finding the possibility of using recycled water for the treatment process.
- Pt. Tirta Artha Jaya, Indonesia for establishing PSG-TAJ knowledge sharing in the area of apparel manufacturing and promoting interaction between the stakeholders by providing internship for our students and training for our staff members.
- MAG Solvics Private Limited, Coimbatore for research collaboration in the area of apparel testing and developing apparel testing instruments.
- Texvalley Market Limited, Erode for training and skill development activities, research and development activities, and industry collaboration.

Patents Published
- Dr. M. R. Srikrishnan published a patent for developing Yarn cyclic tensile straining cum strength equipment.
- Dr. P. Kandhavadivu, Dr. R. Surjit, and Mr. D. Gopalakrishnan published a patent for developing Surface friction testing machine.

Major Consultancy Activities
- Dr. P. Kandhavadivu and Dr. K. Chandrasekaran completed a consultancy project for Rs.1,50,000/- for Kairali exports, Trivandrum.
- Dr. V. Parthasarathi and Dr. P. Kandhavadivu did a consultancy project for Sutrochina Cotton Spinning Mills. They developed a face mask for Covid-19; the project amount was Rs.94,400/-.  
- Training and demonstration of testing equipment and testing of fabric samples were carried out for students from Bishop Appasamy College of Arts and Science, Avinashilingam Institute, and Jayendra Saraswathi College of Arts and Science.
Established in 2007, the Department of Instrumentation and Control Systems Engineering caters to the ever challenging needs of technical excellence in all areas of Instrumentation and Control Engineering. With a perfect blend of industrial exposure, coupled with good technical base, our students make their presence felt in various technological domains in all the top-level industries and academia. The infrastructure and laboratory facilities are upgraded from time to time to provide adequate opportunities for students and researchers to learn and innovate.

The Department has fourteen regular faculty members and experienced technical staff. The faculty members are working in the areas of Control System, Fault Tolerant System, State Estimation, Predictive Data Analytics, Electric Vehicles, Process Control, Image Processing and Machine Vision. They have published their work in reputed journals and conferences.

Programmes offered
- B.E in Instrumentation and Control Engineering - 2007
- M.E. in Control Systems - 1971

Infrastructure
The Department has well established Transducer lab, Process Control lab, Distributed Control Systems lab and Control Systems lab.

Achievements/ Awards
- Dr. Jovitha Jerome was honoured with an "Outstanding Engineer Award" by Institution of Engineers (2009).
- Dr. M. Geetha was honoured with "IEI Young Engineers Award" by Institution of Engineers (2016).
- Mr. V. Nandha kumar (2021-2025 B.E. ICE Batch) represented Kerala state in the 13th South Zone Shooting Championship.
- Mr. T.V. Arunachalam Shiva (2020-2024 B.E. ICE Batch) won third place in South Zone Inter University Chess Tournament held in April 2022.
- Ms. Nivedita Mahesh (2008-2012 B.E. ICE Batch) has completed her PhD in Arizona State University and currently doing her postdoctoral fellowship in Caltech University, USA.
- Ms. N. Priya Darshini (2011-2015 B.E. ICE Batch) received P.D. Prakash Memorial Award for Social Service during Techday 2015.
- Ms. K. Bhavani and Mr. Kenan Jerolin (2020-2024 B.E. ICE Batch) has secured third place in national level hackathon Exceed 2.0 conducted by Wabtec Bangalore in January 2023.
- Mr. S. Muthu Vignesh (2018-2022 B.E. ICE Batch) received P. D. Prakash Memorial Award for Social Service during Techday 2022.

Eminent personality visits and interactions
- Dr. M. Umapathy, Professor, Department of Instrumentation and Control Engineering, National Institute of Technology, Tiruchirappalli was one of the academic experts for BoS.
- Dr. J. Prakash, Professor, Department of Instrumentation Engineering, MIT, Chennai was one of the resource person for TEQIP Phase 2 Sponsored “Three Weeks Students Induction Programme.”
Research Activities

Department Research Board (DRB) is functioning to improve research activities which include increase in the research publications in peer reviewed journals, research projects/ grants, patents, collaborations, doctoral program and faculty development. DRB is constituted with HoD as Chairperson and faculty members holding Doctoral degree as members.

The board meets once in a semester to identify thrust areas and potential for further research activities, to identify areas for training in order to strengthen R&D culture and to encourage faculty members of the department to participate in R&D activities for their professional growth.

Major Projects

Dr. Jovitha Jerome (Principal Investigator) and Dr. M. Geetha (Co-Investigator) for the project titled “Investigations on the application of state estimation in CSTR control” sponsored by UGC during 2011-2013.

Dr. J. Arunshankar (Co-Investigator) for the project titled “Sensor Development for the Detection of Oil Debris in Gas Turbine Applications” sponsored by GTRE, DRDO, Bangalore during 2016-2017.

Dr. J. Arunshankar (Principal Investigator) and Dr. D. Jayaprasanth (Co-Investigator) for the project titled “Predictive Maintenance for Process Control System using Data Analytics” sponsored by AICTE during the period 2020-till date.

Major International Conferences

- Dr. Jovitha Jerome, Dr. S. Kanthalakshmi and Dr. R. Latha organized International Conference on “Control, Calibration and Testing (ICCCT’15)”, in February 2015.
- Dr. Jovitha Jerome organized First International Conference on “Modern Trends in Instrumentation & Control”, in September 2011.

Industry/ Institute collaborations

Industrial experts are invited for the following events (i) Program Advisory Committee Meeting (PADCO) (ii) Board of Studies (iii) Final year project viva-voce exam (iv) One credit course (v) Guest lecture (vi) Orientation program.

Patents

Dr. S. Kanthalakshmi and Athira K. Alate received a patent for Stacking and Counting Unit for packaging machinery on 13.4.2018. (Patent No: 412165)

Placements

Major recruiters include Tata Power, Asian Paints, Larsen and Toubro, Robert Bosch, Caterpillar, ExxonMobil, Technip etc.
The Department of Robotics and Automation Engineering was established in 2011 and offers an undergraduate programme in Robotics and Automation. This is an inter-disciplinary programme tailored to develop superior quality robotics and automation talent for manufacturing, defence, food, aerospace, medical and service sectors. The department draws teaching talent from industry and professional practice, apart from competent and committed academicians to enhance the quality of the program. The faculty is actively involved in research & development projects and consultancy services. The department organizes conferences and workshops to enable the students and faculty to update knowledge in the latest trends in Robotics and Automation.

Programme Offered
- B.E. Robotics and Automation - 2011

Credentials
- Approved research centre by the Anna University, Chennai and has completed 9 Ph.Ds. Currently 13 PhD scholars are pursuing their doctoral programmes.
- 11 Centres of Excellence dedicated to foster innovation, learning excellence
- Signed 22 MoUs with various industries
- The department supports PSG IAS for the International credit transfer programmes with German, UK and Australian Universities in Mechatronics Engineering.
- UG students of Robotics and Automation often get internship at International universities through our department.

Achievements / Awards
- Dr. B. Vinod received appreciation from IEEE for his notable services and contributions towards the advancement of IEEE and the engineering profession.
- DST-GIST sponsored Indo-Korea research project carried out by the department titled, “Design and Development of Robotic Endotrainer” got the best innovative project award for 2020 from the Ministry of Science and Technology, Government of India. Dr. M Sundaram and his team received the award from Dr. Harsh Vardhan, Union Minister for Science Technology, Earth Sciences, Health & Family Welfare.
- Received the first prize in the Artpark Robotic Challenge headed by Dr. PD Rathika organised by IISC, Bangalore (2022).
- Dr. Jonah @ Dr. N. Murugan ranked top 2% scientist of the world announced by World Scientist and University Rankings for the year 2023.
- ISSE National Governing Council has selected Dr. M Suresh, Associate Professor, Robotics and Automation Engineering for the Young Scientist Award, considering his outstanding contributions in the fields of science and engineering. The award was presented by Dr. Satheesh Reddy, Scientific Advisor to Defence Minister, Government of India during the inaugural function of ISSE National conference in Osmania University, Hyderabad on 24.03.2023.

Infrastructure
The department is equipped with established and top-notch laboratories, housing high-quality equipment for conducting lab experiments and research activities. Additionally, the PSG management provides ample funding to support these endeavours, empowering the pursuit of advanced research projects.

Achievements of students at the national level
- M. Kamal Prasath Balaji won the National World Skills Competition on Robotics, organized by the National Skills Development Corporation, Government of India. He represented India at the World Skills Olympiad held at Brazil in August 2015.
- Gayathri S of batch 2014, received the Best NSS Volunteer award for the year 2018. She has also received a Gold medal in the State level Karate Championship three times consecutively. She has also represented Tamil Nadu in the National Level Karate Championship three times.
- Dharmendra R of batch 2019 received a state-level Best NSS Volunteer Award, from Hon’ble Minister for Youth Welfare and Sports Development, Mr. Udhayanidhi Stalin on 28 April, 2023.
- Adhik Namo, Jayanth Akash, Koushik Karan G N, Dinesh Kumar S guided by Dr. B. Bindu and Dr. B Vinod won 3rd Position in the 1st Drone Dance Championship, 2021, conducted by Board of International Aviation Games, India.
- Jaya Suriya B G, Adithya R, Srikshana S, Utkarsh S G and Gokul Balaji R guided by Dr. P D Rathika and Dr. B Vinod 1st Position in 2nd National Drone Ranking 2022 conducted by Board of International Aviation Games, India.
- Andrew Prasath of batch 2018 won Gold Medal in district level Judo Championship and Anna University inter-zone Judo selection trials to represent Anna University in All India Inter-University Judo Championship.

Research Activities - Major Projects
The department has received funding to the tune of Rs. 4,679.85 lakh since its inception in 2011. Out of 24 sponsored projects sanctioned, 16 projects have been successfully completed and 8 projects are under progress. Projects have been received from Government funding agencies like DST, DHI, MHI, AICTE, TNSCST, ISRO, DRDO, BRNS and private agencies as well.
Centres of Excellence

The department has 11 Centres of Excellence (CoE) to its credit. These centres cater to the needs of both students as well as the industries. These centres have been a great support in getting and completion of sponsored projects, training workforce in the relevant technologies.

- PSG - Heidenhain CNC Training Centre was established to train the regular students and industry personnel in Heidenhain CNC systems.

- PSG - Fanuc Centre for Advanced CNC and Robotics was established to provide training on CNC programming and Maintenance of CNC Lathes and Vertical Machining Centres and consultancy services for product development in CNC machines for regular students and external candidates. 133 participants have received Fanuc Certification after training from this Centre till date.

- PSG - Adept Centre for Robotics was established to provide training on adept robots and develop robotic solutions for industries.

- PSG - Danfoss Centre of Excellence for Climate and Energy was established to provide training on the advanced Electric Drives and air-conditioning systems for engineers from industry and regular students.

- PSG - Siemens Centre of Excellence in Automation was established to provide training on PLCs, SCADA and HMI systems. The Centre also can design, develop and test machine control logic circuits for industries.

- PSG - Festo Centre for Robotronics was established to train students and engineers on Festo pneumatic systems, and CIROS plant simulation software. The Centre also has research facilities in Robotino mobile robot platform for localization and mapping.

- PSG - DHI Centre for Excellence in Welding Engineering and Technology was established to train students on robotic welding and do consultancy services on robotic welding for industries. The centre also can facilitate research, feasibility studies, and job order activities.

- PSG - ePLAN Centre of Excellence for Efficient Engineering was established to provide training and consultancy services for mechatronic project design, planning, and documentation.

- PSG - Beckhoff PC Based Automation Technology was established to provide training on PC based Automation Technology. The Centre also can design, develop and test machine control logic circuits for industries.

- Product Development Centre was established to develop new products in robotics for PSG Industrial Institute and offer consultancy services for other industries.

- PSG - Pricol Centre of Excellence was established to provide solutions on robotic systems and industrial automation for Pricol Ltd. Coimbatore.
Major International Conferences

- Department of Robotics and Automation Engineering has organised 3 International Conferences, ICAARS – International Conference on Advancements in Automation, Robotics and Sensing.

- The conference was inaugurated by Mr. Rabi Rout, Group Head - Delivery, Products and Medical, L&T Technology Services Ltd. The function was presided over by Dr. R. Rudramoorthy, Principal, PSG College of Technology.

- The Second International Conference on Advancements in Automation Robotics & Sensing was inaugurated by Mr. Santosh K Misra IAS, CEO – Tamil Nadu e-Governance Agency, which was felicitated by Mr. Marc Jarrault, MD of LAPP India.

- A 3-day workshop on Kinova Robots titled Manipulators in Service Robotics, Application and Programming Interfaces and a one day workshop on Robotic Welding and Industry 4.0 were conducted. The resource persons were from Kinova, Nugenix and Centre of Excellence for Welding, PSG Tech. The conference, workshops and exhibition were a great success as they had a very good response.

- The Third edition of the International Conference on Advancements in Automation, Robotics, and Sensing (ICAARS)

Industry / Institute Collaborations

MOUs SIGNED with

The Department of Robotics and Automation has signed MoUs with more than 25 Industries for the purpose of mutual collaboration in terms of research and development, innovations, training, skill development, consultation and marketing of technology.

MoU with MHI and COINDIA

Dr. K. Prakasan, Principal, PSG College of Technology, and Dr. Azhar Taib, Dy CEO, Malaysia Automotive Robotics and IoT Institute (MARii) Malaysia exchanging the MoU in the presence of dignitaries from India and Malaysia on 4 March 2020 at the EEPIC India sourcing exhibition held at CODISSIA, Coimbatore.

Patents

As a result of the extensive research work conducted, the department has successfully filed the patents titled “3-Axis Force-Torque Sensor Device” and “A Welding Apparatus”

Major Consultancy Activities

The Department of Robotics and Automation Engineering carries out various industry consultancy activities in the areas of additive manufacturing, power electronics and drives and welding.
The Department of Applied Mathematics and Computational Sciences is committed to develop quality IT Professionals by providing concept-oriented subject knowledge through high quality teaching supplemented with practical training. Aligned to the vision of the department - Stay Ahead and Be Relevant, the department has introduced various programmes predicting the demands of this ever-changing world.

It is also one of the largest departments in PSG College of Technology and its breadth and scale bring unique advantage in terms of bridging the demand of industry-ready professionals through state-of-the-art programmes.

Programmes offered
- BSc Computer Systems & Design - 1985
- Two year MSc (Applied Mathematics)-1975
- Five year integrated MSc Software Systems-1997
- Five year integrated MSc Theoretical Computer Science-2007
- Five year integrated MSc Data Science - 2015
- Five year integrated MSc Cyber Security - 2020

Significant Achievements
Faculty members have performed remarkably well and presented research papers at various international conferences globally and they are active members of various international professional societies such as ACM, IEEE, etc.

- Established several laboratories to provide a strong foundation in Mathematics and Computer science and prepare students to understand the latest research and developments.
- Significant contribution in setting up the Centre for Cyber Security Research and Education - an infrastructure project supported by DST - FIST and PSG Management for Rs. 1.5 crores
- Offers consultancy services in design, analysis, manufacturing, and testing of software products and encourages the industry relationship by doing consultancy / research advisory with team of students to solve few open problems in machine learning and data analytics
- Collaborated with Software companies to provide training on software engineering tools

- Undertook sponsored research projects with funding from various agencies, including DST, AICTE, UGC, etc.
- 64 PhD scholars graduated from the period 2006 to 2023
- Obtained 2 patents during the year 2019 in the areas of IOT and smart sensors
- 3 MOUs have been executed to promote industrial and academic interaction in the domain of Cyber Security and Data Science

The department regularly conducts a series of technical talks by the industry experts to keep in touch with the ever-growing technology and organizes technical symposia at national and international levels.
Infrastructure

The department has its own library with latest books, national and international journals and magazines. Several laboratories have been set up with latest software and hardware configuration to promote the fundamental and applied research, to help students to model real world problems. The department has infrastructure for research and education in various aspects of security in computing with a state of the art lab setup with funding from DST and PSG management. The various labs in the department include:

- Computational Sciences Laboratory
- Data Science Laboratory
- Interactive Intelligence Laboratory
- Network Science Laboratory
- Object Computing Laboratory
- Skava Mobile Computing Laboratory
- Secure Computing Laboratory
- Embedded and IoT Laboratory
- Open Source Lab
- Software Innovation Lab

Awards & Recognitions

Dr. R. Nadarajan received Fellow award by the Computer Society of India. It is a national level honour given to the most deserving person in the industry/academic institution.

Research Activities

The faculty and research scholars of the department have published 29 papers in international journals and international conference during the academic year. The doctoral research students are pursuing research in the areas of Graph Theory, Soft Computing, Cryptography, Data Mining, Queueing Theory, Fuzzy optimization and Topology.

Students have undertaken research internships in the top-ranked universities, product based companies and research laboratories and they are part of consultancy team which guides and helps Start-up companies to come up with new ideas. Students are encouraged to pursue their project in top-notch institutions like IIT, IIIT and IMSc.

Workshops sponsored by ACM, AICTE etc., and guest lectures are conducted at regular intervals for updating the knowledge of faculty members and students.

International Conferences

The Department started the series of biennial conferences, National Conference on Mathematical and Computational Models (NCMCM) in 2001. To provide a broad interdisciplinary research forum, an International Conference on Computational Intelligence, Cyber Security and Computational Models (ICC3-2013) is organized by the Department since 2013 and the sixth edition in the series will be conducted during December 2023.
The Department of Applied Sciences offers a three year B.Sc (Applied Sciences) programme which was started in the year 1971. This programme was the brainchild of our founder Principal Prof. G. R. Damodaran. It was started to bridge the gap between science and engineering. The department takes pride in being one of the pioneers in India offering this programme. The department also offers PhD programme.

The major areas of research work pursued in the department are in the field of piezoelectric electric materials, Solid Oxide fuel cells, Thinfilms for thermoelectric applications, Functional textiles, Spintronics, Polymers, Electrochemistry, Water management and corrosion and Textile chemistry.

The Department undertakes consultancy work in thermal and spectral characterisation of materials, measurement of magnetic properties, colour metrics of liquids and solids, development of piezoelectric devices and also computerised measurements and analysis for specific industrial applications.

Programme offered

- BSc Applied Science - 1971

Significant Achievements

The faculty members maintain a strong relationship with the industries. They are involved in consultancy work in the area of polymers and textile materials. Water quality testing is a predominant activity carried out in the department for several industries.

- The faculty members have successfully completed more than 10 sponsored research projects with funding from various agencies including DST, DRDO, AICTE, UGC, etc.
- Produced more than 25 PhD scholars till date
- A National patent has been published by one of our faculty member

Infrastructure

The department has a library with extensive collection of books and journals. The students are taught the importance of R&D in industries through hands on training with industry-relevant equipments available in the following research laboratories:

- Polymer Research Laboratory
- Spintronics and Functional Materials Laboratory

Apart from these research laboratories, the academic oriented experiments are carried out by the students in the physics and chemistry laboratories and the coding skills are enhanced through the department’s computer center.
Awards & Recognitions

- Ms. M. Vishnu Prabha, Research Scholar of the department got a project sanctioned by DST under Women Scientist - A scheme.

- Mr. Paramvir Shringa T M (Air Wing) and Ms. Mounika G (Girls Wing - Army) participated in the Republic Day Parade at Delhi during 2019 and received the Best Contingent Award from the Prime Minister of India.

- Some of our students pursue their Masters programme abroad in reputed Institutions. To name a few, Ms. KVigneshwari received a scholarship of $6000 to pursue her M.Sc Computational Physics at University College Dublin, Ireland and Ms. Yazhini V (2022 Batch) is pursuing her M.Sc. Materials Chemistry at University of Edinburgh and Mr. Sai Aravindh of the same batch is pursuing his Masters in Astro Physics in Glasgow University.

- Dr. S. Sankarakumar, one of our faculty was granted a scholarship worth $1200 from US Embassy, New Delhi to pursue an Online Course under Online Professional English Network (OPEN) at Arizona State University.

Research Activities

Fostering a strong research culture has resulted in noteworthy contributions. Both full-time and part-time Ph.D. programmes are offered by the department. Excellent research facility is available for the undergraduate and post-graduate students, particularly for the Ph.D. Scholars. The department has noteworthy research publications in the reputed journals of Elsevier, Taylor & Francis, etc.
Established in 2014, the Department of Apparel & Fashion Design offers a five year integrated programme M.Sc. Fashion Design & Merchandising. The programme is the first of its kind at the university level, offered to meet the creative and technological manpower needs of the industry. The department laboratories are equipped with latest equipment and software at par with industrial requirements.

Programme offered
- Five Year Integrated M.Sc. Fashion Design and Merchandising- 2015

Significant Achievements
- Maintaining strong collaborations with International Universities and leading industries in Bangalore, Chennai, Coimbatore, Tirupur and Erode etc.
- Completed sponsored research projects with funding from UGC Hyderabad.
- Organized 1 week International seminar on "Entrepreneurship" and "Logistics and Supply Chain Management" in collaboration with Manchester Fashion Institute, MMU, UK in 2019.
- Offers consultancy services in Designing, Production and Management areas in Apparel Industry.

Garment Construction Laboratory
This laboratory is equipped with industrial sewing machines like single needle lock stitch machines, over lock machines, flat lock and heavy duty machines.

Fashion Photography Laboratory
This laboratory is equipped with the state-of-the-art cameras, different lightings, soft boxes and reflectors to enable the students to take pictures of their garments/accessories/products and present it attractively.

Surface Embellishment Laboratory
This laboratory is equipped with free style embroidery machines. It mainly caters to enriching the creative skills of the students and to develop creative products, with surface embellishments and value addition.

Industrial Visit
Students will visit a minimum of two industries and attend a minimum of two lectures by industrial experts. They will submit a report on the knowledge gained during the industrial visits and expert lectures and make a final presentation on a specific area identified from the industrial visits and expert lectures. The same will be assessed by a committee appointed by the department.

Infrastructure
Pattern Making Laboratory
Pattern Making Laboratory is equipped with the facilities and tools for drafting and has dress forms for fit analysis and draping.
Computer- Aided Fashion Designing Laboratory

The CAFD Laboratory trains the students in enhancing their creativity in fashion designing with the help of software like: Adobe Illustrator, Adobe Photoshop, Corel draw and Speed Step. It is also equipped with license of WGSN - a leading website for trend forecasting, which bestows the students a wealth of information in different areas of fashion research. This laboratory also offers internet browsing facilities to the students.

PSG Fashion Design Studio

The studio provides a platform for research and consultancy activities. It aims in customized design creation for target consumers, design and development of apparel and accessories. It also offers a space for students to display clothing and accessories developed by them.

Library

The department is equipped with state of art library with latest books in the area of fashion design, art, craft, photography, production, and management. The total number of books available in the department library is 93 books and 269 magazines. It is also equipped with e-books, journals and magazines.

Awards & Recognitions

Dr. D. Vijayalakshmi, Professor and Head of the Department, received International Educator Award during International Society of Engineering Pedagogy held at Mysuru in 2022.

Research Activities

Various research activities such as Sustainable Fashion and Handicrafts, revival of Arts & Crafts of India, Fabric finishing, Consumer behaviour, Garment size and fit, Ergonomic design, Zero waste garment design etc., are actively pursued. The faculty members have published quality research articles in various national and international journals which include Springer, Elsevier, Woodhead publishing etc.

Patents


Consultancy Activities

A consultancy work on Ergonomic Study and design development of work wear for operators and managers is carried out for M/s ITC Ltd, Foods Division, Virampilai, Trichy. The objective is to conduct the study and design an ergonomic wear for the operators and workers for their improved performance and comfort.

A consultancy work on Fashion Photoshoot of Men’s Active apparel – Golf Clothing is carried out for the M/s Yuvaan Corp, Saibaba colony, Coimbatore.
Genesis

The Library came into being with the establishment of PSG Polytechnic College in the year 1939 and further expanded with the genesis of PSG College of Technology in the year 1951.

With the recurring grants from the Government, Generous Management contribution and by the special interest taken by Dr. G.R. Damodaran, the Library is built up and is being equipped steadily and systematically.

About the Library

Dr. GRD Memorial Library has rich collection of books, journals and e-resources catering to students, research scholars and faculty members. Presently, over 2.60 Lakhs books, 13053 CDs/DVDs and 217 printed journals are possessed by the library access to more than 1078 online electronic journals. The library is automated having an online portal that can be easily accessed by the users. The library implemented PSG-ILMS which is an integrated Library Management System that supports all housekeeping operations of the library. There is a separate Digital Library having 60 computers running on high-speed internet. The library system and staff is meticulously focused for providing comfortable, user-friendly environment so as to enables learning and knowledge creation.
Sports at PSG Tech have a rich tradition. Right from the time of our founder till date an overwhelming patronage has been extended to our department by our sports loving management. The department has been continuously upgraded by the addition of new facilities as well as renovating the existing facilities.

We create ample opportunities for our students to socialize through participating in sports and to develop their leadership and managerial skills. Our department also, has been the host for various state and national level events and also supports district, state and national level sports organisations to conduct bigger events, which directly helps our society to develop world class players.

On the whole, our department plays the role of supporting our institution to achieve its vision by the way of imparting the all important lessons about life skills and helps in the wholesome development of our students and by the way our department also contributes to build a strong nation.

**SPORTS FACILITIES AT PSG TECH**

Sports facilities were located near the hostel premises in a sprawling area of five acres. The infrastructure includes a Football field and a Hockey field, indoor stadium with two Basketball courts with lighting facility, two Handball courts with gallery, three synthetic Tennis courts with gallery, four Volleyball courts, one Throwball court, two Badminton courts, two Sepaktakraw courts, two Tennikoit courts, one Kho-Kho court, three Cricket pitches for net practice and one pitch for playing matches. An open air stadium with a stage, a pavilion on both the sides with a balcony gallery which can accommodate about 500 students and a VIP lounge is also available.

The facilities in the department enable students to participate in indoor games also. The games halls have the provision for playing Table Tennis and Chess, a gym is also attached with the games halls. The gym is equipped with number of single and multi-stationed equipment and other weight training accessories. One old indoor badminton court (80’ X 40’ ) is available with a seating capacity of about 100; two more new courts were established by with a seating capacity of 200. Facilities such as two parallel bars, one pull-ups bar, climbing rope and roman rings are also available for the students to develop their physique.

The department has also been hosting flagship events at district, state and all India levels.
Ensuring Smooth Operations

Apart from the academic departments, the functioning of the college is strongly supported by the Administrative Office, the Accounts Section, the Academic Section and the Examinations Section.

The responsibilities of the Administrative office include Staff recruitment and promotions, Student scholarships, AICTE and University approvals, Employees provident fund, maintaining employees’ records, liaising with State government and Directorate of Technical Education.

The Accounts section deals with all the financial matters including Central and State government grants, statutory government audits, processing of procurements and students fees.

The admission of students to various programmes, obtaining admission approval by the DoTE, preparation and monitoring of academic schedule and students feedback are under the Academic section of the college.

The Examination section prepares the end semester examination schedule for all students, monitors the smooth conduct of examinations as per schedule, central valuation of answer scripts, processing the final marks, conduct of board of examiners meetings and publication of exam results within two weeks of the completion of exams. The section also looks after revaluation and re-totaling of marks on submission of application by students, prints the semester exam grade sheets and also sends the final list of students eligible for award of degrees to the Anna University.

In addition to these sections, Internal Quality Assurance Cell (IQAC), Intellectual Property Rights Cell (IPR Cell), Institution Innovation Council (IIC), Office of Dean-Research, Office of Dean-Autonomous Functions Centre for Non-formal & Continuing Education (CNCE) and the Centre for Sponsored Research & Consultancy (CSRC) help the administration in maintaining quality standards in all the academic, research and industrial collaborations of the college.
Over 2 decades of empowering and enhancing the entrepreneurial ecosystem of the region, PSG-STEP, established in 1998, with support from the torchbearers of the entrepreneurial revolution: Department of Science & Technology, Government of India, promotes technology based enterprise in the areas of Software, Electronic Products, Hi-Tech Mechanical Products, Eco-friendly Textile Products, Bio-Technology and Nano Technology using the core strengths of PSG College of Technology.

One among the vibrant technology business incubators in the country, with exclusive incubation facilities for multiple domains with the support of National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Biotechnology Industry Research Assistance Council (BIRAC), New Delhi and Ministry of Electronics and Information Technology (MeitY), Government of India.

In the last 25 years, PSG-STEP had incubated more than 300 start-ups and plays a pivotal role by being a key link between various government departments/ministries and the ecosystem.

Awards & Recognitions:

- Received the “Best TBI Award” by the Ministry of Science and Technology, Government of India.
- Recognized as the Secretariat of the Asia Pacific Incubation Network (APIIN) which is mentored by InfoDev, The World Bank and DST, Govt. of India.
- Dr K Suresh Kumar, Executive Director, PSG-STEP was recognized by ISBA for his contribution to the innovation and incubation ecosystem of the region. The award was presented by Honourable Chief Minister of Tamil Nadu, Thiru M K Stalin.
- He was also recognized by Department of Science and Technology, Government of India for his years of dedicated service in fostering innovation, incubation and entrepreneurship in the country. The award was presented by Dr. Ajai Chowdhry, Founder, HCL and Chairman, EPIC Foundation.
- PSG-STEP was recognized as one of the "BEST INCUBATOR" by TANSIM, Government of Tamil Nadu.

Incubation Verticals

- Information Technology
- Electronics
- Nanotechnology
- Biotechnology
- Centre of Excellence in Advanced Technologies

A Fablab - the product development centre has been hosted along with these incubation verticals to encourage product innovations.

Empowering Start-ups

PSG-STEP with the scheme of central and state governments extends the financial support to the entire spectrum of start-up life cycle through Fellowships, Innovation funds, hand-holding with seed funds and holistic mentoring of start-ups and entrepreneurs.

The PSG-STEP: SPARSH Centre supported by BIRAC, New Delhi intends to create a pool of social innovators in the biotech arena who will identify the specific needs and gaps in Ageing & Health and Waste to Value.

To promote and accelerate start-ups, PSG-STEP extends capacity building programs, mentoring support, networking with industries and other agencies and participations in national & international challenges.
On a mission to soar higher...

Technology Information, Forecasting and Assessment Council (TIFAC) is an autonomous body under the Department of Science and Technology (DST). Under the broad umbrella of Technology Vision -2020, TIFAC was launched an ambitious mission called REACH (Relevance and Excellence in achieving new heights in educational institutions).

The foundation of this mission rests firmly on the triangular linkage between the academic institution, industry and government. PSG College of Technology was selected by TIFAC to set up a Centre of Relevance and Excellence in product design, optimization and collaborative product commerce.

PSG TIFAC CORE was set up under PPP model by TIFAC of Department of Science and Technology, Govt. of India, PSG College of Technology, Coimbatore and Pricol Industries in 2001.

The centre has advanced facilities in CAD/CAM and has experienced manpower to meet challenges in Product Design & Development. PSG TIFAC CORE is working closely with experienced faculty of PSG College of Technology in the specific area of research in Product Design & Development. The centre has full-fledged Rapid Prototyping facility and is extending its bureau services for industries from the inception in Rapid Prototyping, Innovative Re-engineering and Rapid Tooling.
Office of Placement and Training, PSG College of Technology aspires to provide the employers with human resources equipped with professional skills, ethical values and societal commitment.

The Office -
- Facilitates smooth talent search for Internships and Full Time Employment
- Adds industry expertise in the academic value chain of the college for staying relevant and
- Utilizes the network of senior alumni in industry and academic institutions available globally to reinforce the academic processes for life-long learning

The Placement and Training office is headed by the Dean, Placement and is supported by the Associate Dean and Placement Officer. The recruitment drives and overall operations of the office are managed by the Lead, Placement. The Lead, Placement is also the Single Point of Contact (SPoC) for all the recruiting companies. Individual Coordinators manage Student Counselling, Internship, and Training related to placement.

Placement Activities
We facilitate recruitment drives in both in-campus and virtual modes, to enhance the placement opportunities of every graduating student. Around 200 reputed National and Multinational companies visit our institution for campus recruitment annually.

PSG College of Technology has a very impressive placement record. Though the activities are mainly intended to train the B.E/B.TECH students, students of PG programmes are also provided with all necessary support needed for placement/internships.

We are engaged in the following activities to support students towards acquiring internships and placement offers:
- Recruitment drives for Full Time Employment (FTE) and Internships
- Identifying the training needs and arranging to provide them through professionals
- Counseling students on academics and career

Students can register, submit all the documents, and undergo training /counseling / interviews using online mode.

Methodology of Training
Our methodology of training includes
- Vision programme, a psychometric-based career orientation
- Building Effective Communication Skills, conducted at the end of first academic year
- Soft Skills Development (Fourth Semester)
- Business and Managerial Communications (Fifth Semester)
- Quantitative and Reasoning skills (Sixth Semester)

Coding Club
Coding is a fundamental skill that unlocks a world of opportunities for aspiring professionals. Our club is dedicated to create a dynamic student community that delves deep into the art of developing practical applications using coding and computer science concepts. The Club strives to create and foster an active group of students who enjoy programming solutions and extend their domain knowledge to solve larger real-world problems.
PSG Tech Hostel is fondly called as "Home Away from Home" for the hostel students. The hostel has well equipped modern facilities to cater to the needs of students to make their life comfortable in all aspects with better living experience.

Facilities available at hostel:
24 hours power supply, Medical rooms with doctors, Ambulance facility, Wi-Fi facility for all the blocks, RO water for Drinking, RO water and hot water for bathing, Gym, Yoga hall, TV Hall, Computer Centre, Library, Personality Development Centre, Washing Machines, Dhobi points, Stationary Shop, Snack Bar, North Indian and South Indian Messes, Waste Water Treatment Plant, Vending machines, etc.
Fostering a Culture of Competence

PSG College of Technology

- Publications: 6200+ Scopus Publications since 1959
- Citations: 63300+ since 1970
- Research Scholars: 740+ since 2008
- Research Projects: 440+ since 1972
- Patents: 20+ since 2016
- Consultancy Activities: 630+ since 2002
- MoUs: 40+ Signed with Govt. Bodies, Industrial Bodies, Industries, Research Labs, and Universities
Training for the staff of Leading Companies

Ashok Leyland Ltd., Chennai
Bharat Heavy Electricals Ltd., Trichy
Carborundum Universal Ltd.
Cognizant Technology Solutions India Pvt. Ltd.
DRDL, Hyderabad
ELGI Equipments Ltd.
Geedee Tools, Coimbatore
Hinduja Foundries, Ennore
Hindustan Aeronauticals Ltd.
Indian Air Force, Sutur
Indira Gandhi Centre for Atomic Research
INFOSYS
Lakshmi Automatic Looms, Coimbatore
Larsen & Toubro Ltd., Coimbatore
Narajuran Controls Ltd.
PRICOL, Coimbatore
Rane Engine Valves Ltd.
Robert Bosch
Salzer Electronics, Coimbatore
SE Forge
Siemens Ltd.
Siva Refrigeration, Chennai
Square-D, Chennai
Sueeraa Alloys Global Private Ltd.
TAFE
Tamil Nadu Electricity Board
Tamil Nadu State Transport Corporation Ltd.
Tata Consultancy Services Ltd.
Textool, Coimbatore
TVS Suzuki Ltd., Hosur
Voltas Ltd., Coimbatore
Whirlpool, Pondichery
WIPRO

"We are committed to inculcate the spirit of enquiry among the learners and thereby pave the way for an innovative learning environment through strategic alliances and create facilities in the frontier areas of science and technology for world class research. The institute is proud of its research scholars who inspire others to emulate them."
The core strength of PSG College of Technology is its Alumni who are successful in various fields in Government and Corporate sectors. Few of them have made their mark in Civil Services and in the Indian Navy. Quite a few have become entrepreneurs, scientists and others have occupied top managerial positions such as VP, CEO, etc., in the corporate sector. They hold prestigious positions both in India and abroad in reputed organizations.

The Alumni Association of PSG Tech is a diverse and talented group of individuals who have come out of the campus in flying colors and pursued their career with diligence and settled in different spheres and levels of life across the globe.

Beyond the success stories they share, most of PSG Tech alumni set examples for the new students, and career aspirants. Many are the alumni who turn to be guides, patrons or counsellors to the young aspirants seeking out comfortable placements.

Some of the illustrious alumni of PSG College of Technology

Mr. Shiv Nadar  
Founder and Chairman, HCL Technologies

Dr. A.V. Varadharajan  
Chairman, AV Group of Companies

Mr. D. Vijay Mohan  
Founder, Pricol

Dr. R.M. Vasagam  
Former Director, ISRO

Mr. C. Vijayakumar  
CEO & Managing Director, HCL Tech

Dr. Raj Rajkumar  
George Westinghouse Professor, Dept. ECE, Carnegie Mellon University, USA

Mr. Sundar Raman  
CEO-Sports, Reliance Industries,  
Former COO, BCCI

Dr. Mylswamy Annadurai  
Former Director, Chandrayan

Mr. Cottalango Leon  
Oscar Awardee

Mr. S. Nagarajan  
Co-founder of [24] 7

Mr. S. Ravi  
Managing Director, Craftsman Automation

Mr. R. Kumaravelu  
Managing Director, Aquasub Engineering
PSG College of Technology aspires to develop life skills and engage students in a variety of activities by hosting seminars, workshops, conferences, and club activities under twenty-six different clubs, thirty-eight unique technical associations, and nine chapters all of which led by PSG's student representative body, the Students Union.

The Students Union is the official organization of students at PSG College of Technology. Being the main representative body of the students, the Students Union strives to provide opportunities for the students to forge and scale up their technical skills and knowledge through various affiliated Associations. It also promotes social, cultural, and literacy activities through the Clubs that conduct numerous workshops, guest lectures, and events throughout the year to build opportunities for the students to showcase and sculpt their emerging talents.

Students Union is of epitome importance to maintaining a healthy relationship between all the student activities and the administration. The Students Union has got its own unique set of cabinet members who get selected by the authorities of the college every year. Activities are performed by the Students Union guided by the Dean - Students Affairs and the respective faculty advisors.

Our main objective is to identify and encourage creative talents, inculcate the spirit of discipline, leadership, social awareness, and promote physical and mental development among students. We stage competitions based on creativity, cultural literacy, sports, and general awareness, conducting seminars on topics of local, national, and international interest, organizing symposia, social welfare activities, and proposing the names of deserving students to Financial Committee for financial assistance.
Scaling new heights.
Setting benchmarks.
The journey continues...