



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

NH 544, AVINASHI ROAD, NEELAMBUR.

641062

www.psgitech.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

PSG Institute of Technology and Applied Research (PSGiTech), a new manifestation in the field of engineering education was established in 2014. PSGiTech set its foot in the arena of higher education with a three-pronged mission of teaching, research, and service which was the dream of its legendary visionary founders.

Affiliated to Anna University, Chennai and approved by All India Council for Technical Education (AICTE), PSGiTech offers seven Under-Graduate programmes – B.E. Civil Engineering, B.E. Computer Science and Engineering, B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, BE Mechanical Engineering, B.Tech Artificial Intelligence and Data Science, B.Tech Computer Science and Business Systems, and two Post-Graduate courses, M.E. Engineering Design and M.E. Structural Engineering. NIRF 2022 Rank of PSGiTech college is 124, which was 131 in the year 2021. Five of the eligible BE programmes are accredited by NBA.

PSG iTech has been consistently placed in the top three in Anna University examinations since inception. Two of PSGiTech students from 2017-21 batch, one from Civil Engineering and another one from Mechanical Engineering secured the first rank in the Anna University Semester Examinations. Much of PSGiTech success can be attributed to high quality teaching, learning and industry collaboration and the perennial commitment that PSGiTech should offer students rich experience and make them better prepared than ever before career.

PSGiTech students have access to expert and professional guidance from a team of faculty and career professionals and over 90% of PSGiTech students are consistently placed in reputed companies. Higher education offers diversified learning opportunities; and many of PSGiTech students pursue higher education in India and abroad in reputed universities.

Research is one of the biggest strengths and the institution's *h*-index is 26. The faculty members have published 373 publications in the past five years in reputed Scopus Indexed and Web of Science Journals. The institution prides itself on twenty-seven published patents and six patents granted. The ongoing funded Research Projects by the faculty members are to the tune of Rs. Four Crores.

PSGiTech celebrates students' talents where students with diverse talents and interests not only enjoy such events, but they also learn organizing skills, teamwork, leadership qualities and an entire range of behavioural skills. Students of PSGiTech continue to excel in sports as well, both in regional and national levels.

PSGiTech acknowledges that the alumni's role is crucial for the development of the institution. PSGiTech Alumni Association is an umbrella body which brings together students of various batches to ensure their welfare individually and collectively, as well as support the growth of PSGiTech.

Vision

To achieve excellence in education and research, and nurture engineers with ethics, who will face global challenges to serve industry and society.

Mission

- To facilitate active learning and vocational training.
- To encourage and promote questioning spirit and 'can-do' entrepreneurial attitude.
- To foster industry - institute collaboration.
- To ignite passion for creative work and selfless service towards a sustainable world.
- To provide intellectually stimulating environment, conducive for research.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Ranked among the top three places in Anna University examinations since 2014.
- University rank holders from the first batch onwards.
- Peer learning and tutorials make collaborative learning a joyful experience.
- Learning through industry – institute collaboration and industry powered laboratories.
- Faculty: Student ratio is **1:16**.
- **Sixty One percentage** of faculty are with PhD.
- Academia-institute collaboration, MoUs, consultancy and training programmes.
- Value-added courses across disciplines provide integrative learning and work beyond boundaries.
- **Ranked 124 in NIRF** and Five eligible branches are accredited by NBA.
- Company-specific placement training and placement consistently over 90% since 2018.
- Median salary of students placed is Rs. 5.5 lakhs.
- Industrial visits and internships in India and overseas.
- Faculty and external experts provide career guidance and soft skills training.
- Training for GATE, CAT and German & Hindi Languages are provided.
- Faculty Development Programmes, course specific competency training programmes.
- Faculty training through FDP/PSG CARE / Summer school.
- Use of ICT for teaching-learning process and data management.
- Teaching is augmented by NPTEL, Coursera and MOOC courses.
- Rewarding faculty for Publications and Patents - Rs. 7.2 lakhs per semester, financial assistance for patent process.
- **35** Patents are filed and **6** granted.
- Reimbursement of course fee for NPTEL courses and cash award for faculty getting 'Elite'/Gold certificates.
- **Publications:** 432 for Five Years and 489 from the inception of the college with **h-index of 26** and **sponsored fund for R & D Rs 3.56 crores**.
- Seed money of Rs 84 lakhs for research to faculty.
- Financial assistance is provided for higher studies – Post doc. – Overseas training.
- Management provides financial support for research, infrastructure, and cash awards.
- Sponsored PMKVY programmes.
- Professional Society Memberships for faculty – 32 (societies) 120 (Memberships)
- Professional Society Memberships for students – 16 (societies) 843 (Memberships)
- A state-of-the-art library with “Drop Box” facility.
- Smart classrooms fully equipped with LCD projectors and internet facility.
- Focus on Outcome Based-Education (OBE).
- Green campus, certified with a “Four Star” rating under GRIHA.

- Environment friendly campus with solar panels on roof tops of faculty parking.
- Centers of Excellence and Innovation Centers in emerging fields.
- Students have been recognized and they have won external awards for their projects.
- Students have repeatedly won laurels in sports and extra-curricular activities both at the state and national level.
- Thirty-three clubs and eight professional societies exist to promote academic, social and cultural activities.
- Alumni address students periodically to share their experiences and to motivate their juniors.
- Student counseling by Wellness Centre.
- Implementation of ICT for data management, attendance, and marking entry.
- On-Duty leave is provided to faculty pursuing part-time Ph.D.
- Free in-house medical center with doctor consultancy.
- Financial assistance to students through scholarships from management, alumni, and government.
- National and international conferences organized.
- Decentralization and empowerment of all stakeholders.

Institutional Weakness

- Low diversity student population.
- Lack of international faculty
- Lack of Research with Foreign Collaboration.
- Need to offer more industry /society related value-added courses.
- Need to strengthen connectivity of students with community.

Institutional Opportunity

- MNCs and other major companies are keen to recruit students from our institution.
- Willingness of industries to collaborate with the institution for training faculty.
- MoUs with industry wherein employees are trained by institution's senior faculty.
- Industry sponsored labs to solve industry problems.
- Strong alumni network for internship and campus placement.
- Funding from government and non-governmental bodies.
- Availability of e-governance for effective communication.
- Inter-institute multi-disciplinary research among sister institutions.
- PSG Centre for Academic Research and Excellence (PSG CARE) promotes teaching excellence in all PSG institutions by offering learner-centered pedagogy. It facilitates workshops to enhance effective faculty student relationship.
- Centres of Excellence provide ample scope for promoting industry relevant projects.
- Constant upgradation of infrastructure and technology.
- Institute-industry collaboration for the implementation of Outcome Based Education.

Institutional Challenge

- Admitting students from other states/countries.
- Student/faculty exchange programmes with well-renowned national and globally acclaimed institutions.
- Integrating lateral entry students with mainstream academics through regular motivation of students.
- Providing more time for students to get involved in outreach programmes.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

PSG Institute of Technology and Applied Research (PSGiTech) strives to achieve its goal of empowering young people through technical education. This institute caters to various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics.

- The institute adheres to the Anna University prescribed curriculum. The course instructors prepare for and reflect critically on the curriculum's implementation. Beginning with the academic year 2017–18, CBCS was implemented in all UG programmes. By providing seminars, faculty development programmes, and refresher courses, the institution encourages the faculty to keep their expertise current.
- The Head of Department (HoD) assigns courses, including open electives, depending on the competence and preferences of the faculty. The course faculty prepares the lecture schedules and implements various pedagogical methods for imparting the teaching-learning process. Periodic class committee monitors academic progress.
- A robust system is followed for the conduct of internal examinations. Internal examinations are administered in accordance with the timetable provided and are used to gauge how well students have mastered the course objectives. Regular academic audits are conducted to monitor academic activities.
- The institute's academic calendar comprises of co-curricular, extracurricular, and curricular events and reflects the university calendar. Activities of the institution and the departments are planned, including industrial tours, in-plant training, guest lectures, internships, project competitions, seminars, conferences, placement and training opportunities, and association events including clubs.
- A well-defined process is used for the development, implementation, and evaluation of the curriculum and value-added courses in order to improve the readiness of students for competitive exams, gaining life-skills and fulfilling industry expectations.
- The institution runs a variety of programmes and is sensitive to issues relating to gender, the environment, human values, and professional ethics.
- The student and stakeholder feedback are collected, thoroughly examined, discussed and the relevant corrective measures are taken. The university is informed of any curriculum shortcomings periodically.

Teaching-learning and Evaluation

PSGiTech, being an affiliated institution under Anna University Chennai, 65% of the seats are surrendered to Anna University to admit students through single-window counseling. The remaining seats are filled by the management and only on merit basis based on the guidelines of the state government. **Around 92% of the seats are filled** every year. PSGiTech facilitates access to education for students from all strata of society.

Moreover, **meritorious yet needy engineering aspirants are facilitated to get appropriate government/management scholarships.**

PSGiTech's team of dedicated faculty members are highly competent with prescribed qualifications and **61% of them are doctorates.** The student faculty ratio for recently completed academic year is **1:16.**

The **Center for Teaching-Learning Practices (CTLP)**, regularly organizes, faculty induction programs, workshops, discussion forums and faculty development programs (FDPs) to inculcate 21st century instructional skills needed to prepare the students to become culturally competent, talented, innovative, and creative problem-solvers, skilled and critical thinkers competent to work in multidisciplinary fields. Students are familiarized with outcome-based education, right from 'Student Induction Program' in the first year and subsequently through interaction by the head of the department, mentors, and teachers. Faculty members adopt a blend of students-centric learning methods such as experiential learning, participative learning, problem-solving methods, ICT-enabled learning, simulation and traditional learning methods to promote effective teaching-learning experiences. Faculty members nurture the students to take up real-time problems by encouraging and mentoring them to participate in national level project contests/design challenges.

The PSGiTech exam cell periodically conducts the Internal Assessment tests in a transparent manner and manages the conduct of university examinations. It also promptly addresses the grievances of the students related to exams. Apart from internal tests, the students' learning is also assessed using other assessment tools and the marks scored are accounted as continuous assessment marks. The course outcomes are evaluated after the completion of the course based on the continuous assessment marks and course end surveys. Eventually, the necessary action to be taken for continuous improvement is also decided. The entire teaching-learning process is audited by an internal academic audit committee.

The above practices have ensured that PSGiTech consistently produces **more than 95% of successful graduates every year.**

Research, Innovations and Extension

PSGiTech always gives prime importance to research and developmental activities. PSGiTech encourages faculty members to pursue research in their field of interest to publish research articles, applying for funded projects, publishing patents, developing innovative products, etc. Faculty members of PSGiTech have received several research projects from government funding agencies like **DST, SERB, DRDL and TNSCST.** Also, faculty have published more than **three hundred research articles in Scopus indexed, WoS and UGC recognized international journals with good impact factor.** Furthermore, faculty members have published several books/chapters and a sizable number of conference papers. **Many patents have been filed and Six patents have been granted in the last Five years.** The institution has organized several international conferences, seminars, workshops, and conclaves in the areas of innovation and research, entrepreneurship, etc.

Students are encouraged to take up research projects under the supervision of the faculty members. The college provides state of art facilities for carrying out research works/projects through various research laboratories established in the institution during the last five years. Each research lab focuses on IPR, publications, product developments, etc. Many faculty members having doctoral degrees are recognized as supervisors of Anna University. All Eight departments in PSGiTech have received research Centre recognition by Centre for Research, Anna University. **Research scholars pursuing full-time Ph.D are provided fellowships by the institution to promote research.** The faculty members pursuing research are encouraged by providing them

with the required equipment, on-duty leave for research work, financial assistance for presenting research work in national and international conferences. The college provides incentives to the faculty for their research contribution every semester since the inception in addition to the seed money for research. Many faculty members are on the editorial board of reputed journals.

The institution has active **MoUs** with industries and institutes of national importance for industry academia linkages. More industrial linkage programs such as internship, field trip, and on-job training have been organized. Faculty members and students are actively involved in institutional social responsibility activities through structured forums like NSS, NCC, YRC, and Clubs & Societies. Numerous recognitions and awards have been received for various extension activities from University and State level agencies. Sizeable number of activities have been organized in near past, such as tree plantations, orphanage visit, Swachh Bharat campaign, awareness rally, village cleaning, etc.

The college has an innovative ecosystem to promote the technical and entrepreneurial skills of the students. The **Entrepreneurs club** of PSGiTech is committed towards the skill development of budding engineers in the field of Entrepreneurship. The club is involved in the activities of conducting seminars, workshops, training programs and interactive sessions with entrepreneurs. **The programs are focused in the areas of start-ups, capacity building, market survey, business plan preparation, creativity, idea generation, team building etc.** Students who are interested in developing a scalable business model are motivated and given the right directions.

Infrastructure and Learning Resources

The campus of PSG Institute of Technology and Applied Research is spread over 15.71 acres with a buildup area 68000 sq.mts and located in the Salem-Kochi National Highways (NH544) in Neelambur, Coimbatore. The institute has ICT enabled classrooms (29), well equipped laboratories with ICT facilities (Teaching laboratories-43, Research laboratories-13, Centers of Excellence -9) and all facilities as prescribed by AICTE/affiliating university. Also, the campus has sports facilities (outdoor-23,794 sq.meter; indoor- 772.79 sq.meter) and good infrastructures with lush lawns, beautiful landscape, aesthetic architecture, and eco-friendly environment (green campus certified by GRIHA).

The institution has a board room for conducting meetings, Five Seminar Halls with a seating capacity 180 each with ICT facilities, 3 Drawing Halls, an Auditorium (Convention Center) with a seating capacity of 1,500 and a Yoga center with an area of 448 sq.meter.

Well-equipped hostel facility for men and women with gym, fully-automated RFID technology enabled library, internet and Wi-Fi, staff quarters with children's park, guest house, cafeteria, health care center, temple, transport to students and staff (six college buses), solar-roof top panels (with 260 kW capacity), primary sewage treatment plant, constant supply of RO purified drinking water, ramps, elevators, an ATM, water coolers in each floor of the blocks, stores, fire hydrant system, fire extinguisher and power house with power back up through generator (capacity 820 kVA) are also available. All the facilities are maintained as per norms.

The college has a central library with an area of 853.81 sq.meter, is fully automated with RFID technology. The newly refurbished central library is specially crafted to inspire, provide cheerful ambience and presents enriching learning experience to everyone. The central library is extensive owning more than 24000 volumes

and has a subscription to 43 print journals, 901 online international journals and 25 magazines for scholarly communication. The central Library also provides access to printing and e-resources. An open access, system has been implemented to access books and journals. Digital library is equipped with thirty computers with internet access. A reprographic facility is available in the circulation counter on nominal payment for photocopying library materials with limited number of pages.

The institute has 1060 computers in total; of which 790 are for students with, well-equipped internet services with dedicated leased line bandwidth of 300 Mbps from Wireline solutions India Pvt. Ltd and Ready link internet service Ltd. The students - computer ratio is 1.5:1.

The college has spent an average of 77% for infrastructure augmentation and 3 % for the maintenance of academic and physical facilities excluding salary. As the management of the institution is committed to enhancing the infrastructure, it allocates sufficient funds and human resources for both maintaining the infrastructure and upgrading.

Student Support and Progression

The institution provides intellectually stimulating environment for the students' persistent progress in academic, co-curricular and extracurricular aspects. Ample representation is given for students in all academic/administrative committees and students are involved in the decision-making process. More than 50% of the students are availing scholarships and freeship from Government and Non-Government agencies as well as from the institution.

To stimulate life skills to build confidence in their decisions based on adequate information and thought process to discover sources of strength both from within and outside, guidance for life skills, competitive examinations, soft skills training, ICT/Computing Skills Yoga, physical fitness and meditation sessions are given for students by the institution.

The Grievance Redressal-Committee and Anti-Ragging-Committee and Internal Complaints Committee Cell have been formed to address grievances, if there are any. The students can state their grievances regarding any academic and non-academic matters within the campus through online or grievance/ suggestion box.

The institution has a good placement record and an average 90% of the students are placed on campus. More than 15% of the students opt for higher studies in prestigious institutions in India and abroad.

Various clubs/associations are actively functioning to facilitate the participation of students in co-curricular and extracurricular activities. More than 50 sports/cultural activities/competitions are organized in the institution every year.

The alumni association contributes actively to the growth of the institution through the registered alumni association. Alumni contribute immensely to enhancing teaching learning process and placement training activities.

Governance, Leadership and Management

The institution has a well-structured and transparent governance system followed by the guidelines of AU,

UGC and AICTE. The management of the institution is assisted by the Managing Trustee, Secretary, Principal, Head of the Departments, and Director-Internal Quality Assurance Cell (IQAC). Besides, the management gives sufficient academic freedom to the Principal, Heads of the Departments and faculty members to fulfil the institution's Vision and Mission. The principal conducts frequent meetings with Head of the Departments to find out the requirements for the betterment of the college, and also for the teaching, and non-teaching staff. Similarly, the Governing Body conducts regular meetings (usually once a year). During the meeting, the governing body plans and monitors the progress of quality education, reviews the academic and management activities, and also makes policy decisions based on UGC, AICTE, and state government norms.

Committees are formed, which help in governing the institution through decentralization. The director heads the committee and takes a decision based on the opinions of the respective heads of the departments and team members.

The institution has a well-defined functional body leading to effective and efficient protocols and processes. The institution has clear policies, well-organized administrative structures, service rules, and procedures. Also, the institution explains the evaluation parameters to teaching and non-teaching staff in advance, and their performance is monitored regularly. The institution has developed guidelines to recruit new faculty and they are displayed on the college website.

E-governance is effectively implemented in different areas of the institution: administration, examination processes and academics. Various committees are framed, meetings are regularly conducted, all the discussions are recorded, and minutes are prepared.

For the benefit of the students and to enhance their knowledge, Heads of the Departments organize seminars, conferences, workshops, and value-added courses, which are conducted at regular intervals. Industry-Academia Conclave is also conducted annually to bridge the gap between industry and academia. Thus, the industry-academia conclave is beneficial to both students and teachers.

The institution has standard welfare measures for the professional development of teachers. For instance, during the last five years, more than 70% of the teaching faculty members benefitted from financial support to attend various programs: conferences, workshops, seminars, fee reductions for attending exams (e.g., NPTEL, etc.) and membership fees of professional bodies (e.g., society of energy engineers and managers, etc.). Besides, more than 50 professional development programmes are conducted in-house to benefit teaching and non-teaching staff, which in turn will help them to perform better.

The institution also has a robust IQAC to monitor academic and administrative performances. It helps to ensure the effective implementation of excellence in academics and research. The IQAC conducts regular audits to enhance the quality. All the IQAC meetings are recorded, and the minutes prepared are also displayed on the college website. Corrective measures are taken based on the IQAC meetings.

Institutional Values and Best Practices

The college adheres to the rules and regulations as per the statutory requirements with respect to academics, finance and administration and continues to maintain complete transparency in all aspects of functioning. The college administration carefully identifies and makes all necessary arrangements to meet the requirements of women employees and girl students regarding safety, security, counselling, healthcare and periodically ensures the availability of all the above-mentioned provisions.

Since its inception, the college earnestly follows an eco-friendly approach in maintaining the campus ecosystem with continuous monitoring towards tree plantation, adopting rainwater-harvesting methods, sewage recycling through STP, use of recycled water and employing renewable energy resources, extensively for power generation. All necessary facilities are in place for the physically challenged students, like ramps, elevators, wheelchairs, screen readers etc.

In addition to celebrating the national and international commemorative days, students and faculty members are regularly encouraged to participate and organize social activities like Swachh Bharat, blood donation camps, health checkups, and help the needy children in neighborhood schools, orphanages, and environment awareness campaigns. With the support of PSG IMSR, the institution organizes periodical health check-up camps for the benefit of the people in rural areas. The college is committed to upholding the values required for elevating the students' behavioral attributes through courses like 'Universal Human Values' and 'Professional Ethics'.

To enhance the quality of teaching and learning, the college periodically trains the members of faculty in **"Microteaching for Effective Teaching and Learning"** and organizes **"Industry Academia Conclave as an Initiative for Symbiotic Growth"** every year. Both these activities are intrinsically linked and practiced for providing holistic and inclusive technical education for students, who come from diverse backgrounds. PSG iTech's **Transdisciplinary Research and Interdisciplinary Projects (TRIP)**, a distinct feature of the college, aspires to engage both faculty and students in meaningful research work to address the challenges faced by the industries with research-based solutions.

Various training programs on soft skills like communication skills, creative thinking, stress management, and logical thinking are provided for students in addition to placement training like group discussions, interview etiquettes and IT related skills, both fundamental and advanced programming skills, and domain specific skills.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH
Address	NH 544, Avinashi Road, Neelambur.
City	Coimbatore
State	Tamil Nadu
Pin	641062
Website	www.psgitech.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	G Chandramohan	0422-3933400	9500929986	0422-3933456	principal@psgitech.ac.in
IQAC / CIQA coordinator	R Ramesh	0422-3933410	9994380356	0422-3933456	ramesh@psgitech.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	10-05-2019	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-06-2014	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	NH 544, Avinashi Road, Neelambur.	Rural	15.71	68000

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Co	Duration in Months	Entry Qualificatio	Medium of Instruction	Sanctioned Strength	No.of Students

Self Study Report of PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

	Course		En			Admitted
UG	BE,Department Of Civil Engineering	48	Twelfth Standard	English	60	52
UG	BTech,Department Of Computer Science And Engineering	48	Twelfth Standard	English	60	60
UG	BTech,Department Of Computer Science And Engineering	48	Twelfth Standard	English	60	58
UG	BE,Department Of Computer Science And Engineering	48	Twelfth Standard	English	60	59
UG	BE,Department Of Electrical And Electronic Engineering	48	Twelfth Standard	English	60	56
UG	BE,Department Of Electronics And Communication Engineering	48	Twelfth Standard	English	60	59
UG	BE,Department Of Mechanical Engineering	48	Twelfth Standard	English	60	59
PG	ME,Department Of Civil Engineering	24	BE	English	12	9
PG	ME,Department Of Mechanical Engineering	24	BE	English	12	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	15				26				50			
Recruited	11	4	0	15	18	8	0	26	29	21	0	50
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				57
Recruited	37	20	0	57
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	17	9	0	26
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	11	4	0	18	8	0	11	8	0	60
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	18	13	0	31
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	267	6	0	0	273
	Female	165	4	0	0	169
	Others	0	0	0	0	0
PG	Male	6	0	0	0	6
	Female	4	0	0	0	4
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	17	12	21	19
	Female	15	9	6	17
	Others	0	0	0	0
ST	Male	0	1	1	1
	Female	0	0	1	1
	Others	0	0	0	0
OBC	Male	204	182	140	187
	Female	126	74	117	90
	Others	0	0	0	0
General	Male	16	19	17	28
	Female	16	15	18	14
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		394	312	321	357

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>To create awareness among our teaching faculty about the new proposals put forth by the NEP 2020, an AICTE sponsored two weeks national level FDP on “Integrated Active Teaching-Learning Pedagogical Approaches for Enhancing Focused Outcome based Engineering Education” was organized in our college from 5th – 16th September 2022. In this FDP, a separate session was conducted on the topic “NEP 2020 Implementation Strategies”. This session was well attended by our faculty. A discussion among the faculty members have been initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, creativity, encouraging logical decision making and innovation, and critical thinking. The Institute is affiliated to Anna University, Chennai where its academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses as electives in their new 2021 regulations and institute started offering these electives to students. Electives like Human Values and Ethics, Industrial Psychology, Indian Constitution and Democracy are offered to students to provide the student holistic education. As per the 2021 BE/BTech regulations, a total of seven electives and four open electives are offered from the fifth semester onwards, to encourage students to learn new technological oriented subjects and inter- disciplinary courses. All the courses offered by the institute follow the Choice Based Credit System (CBCS). A few of them also include value-based and environment-based courses such as Professional Ethics, Environmental Studies, Principles of Management, Project Management etc. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other departments. Thus, the students get an opportunity to enter deep in specialized fields of their preference and explore new applications and technologies that will benefit society through their projects as per NEP.</p>
2. Academic bank of credits (ABC):	<p>Our institution's preparedness in implementation of Academic Bank of Credits (ABC) conforms to the guidelines of the affiliated university i.e., Anna University, Chennai. Being an affiliated institution of Anna University the latter is the official member of the National Academic Depository (NAD). Anna</p>

	<p>University follows a choice-based credit system (CBCS) for all its programmes and is now in the process of passing a resolution related to the ABC in the Academic Council. Anna University will formally register in the ABC portal as soon as the resolution is approved by the statutory bodies. For this purpose, the institute is in the process of creating a centralized academic database of the college students. The above database will facilitate the academic credits earned by each student after completing each course to be digitally stored. The ABC can be fruitfully used by students to plan for multiple exits and to continue their academic course work with other avenues (Institutions of excellence or on-line courses offered by institutions of eminence).</p>
<p>3. Skill development:</p>	<p>The institute has established an Industry Institute Interaction cell (IIC) which actively functions to strengthen technical, vocational, soft skills of the students. The higher education department of state of Tamil Nadu has implemented two programmes namely “Naan Mudalvan and Nalaya Thiran” both of which are state of art programmes where, industry partners are roped in to conduct courses on latest developments in technical and required skill set of new age industries. It was conducted for all the years in both the semesters for two weeks. Some of the courses are “Machine Learning with Application to Object Recognition, Powering IoT using Rashberry Pi, Block Chain, Smart Energy Grid, Industry 4.0, Full Stack AR/VR, Cloud Essentials, Big Data Analytics, Electric Vehicle Charging System, High Rise Building Design, etc”. Students got hands on training in industry supported laboratories like Festo Automation, Siemen Training Centre, CISCO, NI and Keysite Laboratories. Each of the above courses are mostly of the hands-on-type which specializes in state of art professional tools that will facilitate building of prototypes as a part of the course work which is required in industries/society. • IoT and automation in industries • Customer friendly services • Agile decision support systems • Performance tracing of enterprises The institute has a well-established Training and Placement cell, which actively participates in strengthening the current skills required in industry. Through this cell, the Institution has already conducted the technical refresher courses for (GATE) and soft skill courses</p>

	for the benefit of the students aspiring for campus recruitment, higher studies and competitive examinations.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	To promote /integrate the vernacular language, course on “Heritage of Tamils” is introduced by our affiliating university in which the development of Indian Languages, particularly Tamil language is taught to first year engineering students. Apart from the history of the language and its Literature, details about Old Tamil Rock Arts, Traditional Music instruments, History about Local Gods, Various Tamil athletic forms like Oyilattam, Karakattam, Silambattam and the participation of Tamil in the Indian Freedom Struggle are taught in Tamil. Hindi is also taught to PSGiTech students who are interested. It is a regular practice at our institute, that all NSS activities conducted in adopted villages are compulsory executed in Tamil language. Our students are actively participating in various cultural events and receive prizes at university level. The students feel confident when they understand and appreciate the background heritage of Indian culture, and the universal outlook of global issues. Further, their preparedness to face challenges in their career improves significantly, as their attitude to approach them arises from universal goodwill and well-being.
5. Focus on Outcome based education (OBE):	Five UG programmes namely BE Civil Engineering, BE Computer Science and Engineering, BE Electrical and Electronics Engineering, BE Electronics and Communication Engineering and BE Mechanical Engineering which were offered to students from 2014-15 academic year onwards are accredited by National Board of Accreditation (NBA) for three years. The NBA accreditations are based on the Outcome Based Education (OBE). All the programmes that are offered are designed according to the current regional and global industrial requirements. Course Outcomes (CO) of all course are well defined in the curriculum through the consultation of Academic and Industrial experts in Department Advisory Committee (DAC) meetings. The Institute has implemented outcome-based education with clearly stated Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Programme Educational Objectives (PEO) from 2014-15 onwards. All courses are designed with outcomes centred on cognitive abilities of

	Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that students contribute proactively to economic, environmental, and social well-being of the nation.
6. Distance education/online education:	The institution has already implemented online education, especially during COVID-19 pandemic situations the teaching learning process went through different online modes like Google Classrooms, Zoom etc. The whole college campus is enabled with Wi-Fi and all the classrooms were installed with LCD Projectors. Post-pandemic, the faculty and students have adopted the online learning experience to take full advantage of Flexible Blended Mode of Teaching –Learning. From 2019 onwards, departments are exclusively using Google Classroom for sharing learning contents with students for most of the courses. The faculty members have prepared themselves by being trained in using various MOOCs and have other online platforms for online - teaching learning, through FDP, STTP and workshops regularly. The Institution has planned to develop online course material for the benefit of students from other parts of the country, in the areas of (i) Latest Technologies (ii) Skill development courses. It is also planned to set up a studio in the institution, with state of art facilities for capturing of videos of lectures, interviews with experts in order to provide quality resource material for the benefit of students at large

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. The Electoral Literacy Club (ELC) has been set up in the College in the year 2017.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Dr R Ravikumar has been appointed as a faculty coordinator for the ELC and the student coordinators are: 2017-18 Mr CV Kiuthik Balaji; 2018-19 Mr K Hariharan; 2019-20 Mr D Sandeep; 2020-21 Ms I Sangavi sri; 2021-22 Mr B Aakash
3. What innovative programmes and initiatives undertaken by the ELCs? These may include	1. Voter Registration Camp for all the eligible students in the campus. 2. Voter Awareness

<p>voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Programmes conducted for both students and the public 3. Members of faculty rendered their services for the Local Body Elections 4. Voter Awareness Guest Lectures conducted for in-house students.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>1. The ELC organizes ‘Voter-ID enrolment’, a special drive for all the college students every academic year 2. Awareness Programs were conducted in the nearby villages to sensitize the public regarding the importance of upholding the democratic values and rights of every citizen</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>In addition to the Voter-ID enrollment drive, the ELC, with the help of tutors, identifies, and encourages, especially, the first- and second-year students to apply for voter's id. The club works collaboratively with the District Collector Office, who is also the District Election Officer (DEO), in organizing rallies and explaining the importance of electoral processes.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1237	1244	1269	1309	1312

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 109

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
76	93	95	81	83

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
11310.64	3825.62	5003.70	9541.65	3286.81

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Curriculum Planning:

- PSG iTech is affiliated to Anna University and it offers seven undergraduate and two postgraduate programmes in Engineering and Technology. From 2017, Anna University has implemented a **Choice Based Credit System** in curriculum.
- The course willingness is received from the faculty and courses are allotted for each semester to the faculty by the respective HoD of the departments. The class timetable and individual faculty timetable are released by the time-table coordinators.

Curriculum Delivery & Monitoring:

- Each faculty member designs a comprehensive course plan for theory and laboratory based on credit specified in the syllabus.
- Faculty member prepares course file containing academic schedule, timetable, course plan & materials and previous year question papers. **Course Outcomes (COs)** are validated by mapping against **Programme Outcomes (POs)** after each CIA. Faculty inform the students of the course and the major Course Outcomes, and periodically ensure that they well assimilate them.
- Principal and HoD's regularly monitor the delivery of the course. Formal feedback is received from the students to assess the course delivery and syllabus completion. The Class Committee Meetings (CCM) are arranged where the student representatives can express their difficulties in academic and administrative areas.

Academic Calendar:

- Academic Calendar for the Institution is prepared based on the University Academic Calendar. It is authorized by the Principal and distributed to all the Departments and students, as well as posted on the Institution's website for information and compliance. The following activities are scheduled chronologically in the academic calendar, semester-wise for seniors & first years.
 - Commencement date for II, III & IV years
 - Commencement date for I year
 - Orientation programme for I year
 - Class Committee meeting
 - Internal Assessment CA-I, CA-II and CA-III
 - Symposium

- Workshop/Conference
- Graduation day
- Sports day
- Annual day
- Last working day
- University practical examination
- University theory examination
- Government Holidays and Days of National Importance.
- Each semester has 90 working days or 540 periods (450 hrs) and PSG iTech strictly adheres to it.

Internal Assessment:

- Internal marks are awarded to the students based on the marks scored in the internal assessment tests conducted by the exam cell. The schedule of internal test is intimated to the students through student group mail and posted on the institution website.
- The course faculty prepares the question papers and submits them to the HOD for approval. After approval by HoD, it is submitted to the Exam cell.
- After examination, answer scripts of each CIA are evaluated and distributed within a week for verification of marks. The results of the internal tests are uploaded in the affiliating university web portal as per university schedule. Anna University web portal provides students login to access their attendance and internal assessment marks.

Student Development Activities:

- Each department organizes association meetings, workshops, guest lectures, conferences, and symposiums to enhance organizing skills, teamwork, and leadership quality of the students.
- The institution and departments organize various events to improve the student's employability skills such as soft skills, communication skills, programming skills, industrial visits, industrial training, internship, and placement training programs including counselling.
- The institution also encourages extracurricular activities such as sports, cultural events, and societal developmental activities. Important days like Independence Day, Republic Day, Engineers Day, Teachers Day, Women's Day, and other festivals including Pongal, Ayudha Pooja, etc. are celebrated in the campus.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Add on /Certificate/Value added programs offered during the last five years

Response: 63

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2

Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 94.63

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1169	1188	1200	1235	1237

File Description	Document
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Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

- PSG iTech follows the Anna University curriculum and has taken many initiatives to provide platform to integrate cross-cutting issues relevant to Professional Ethics and Human Values, Gender, Environment and Sustainability in the curriculum.

Professional Ethics and Human Values:

- In accordance with university curriculum, PSGiTech offers 'Professional Ethics and Human Values' to prepare students for practicing ethics and inculcate value system in handling their personal and professional domains of life.
- Practicing mutual respect, tolerance, and fairness in dealing with others are encouraged to sustain and grow in modern environment and society.
- Every year, during the first year Student Induction Programme, all the first-year students undertake the **Universal Human Values module as prescribed by AICTE**. PSG iTech gives importance on strengthening inner ability of students through soft skills training. Various club activities like **NSS, ECO Club, Harmony Club, Rotaract Club** enable the students to exhibit humanness.
- **Yoga classes** enable our students to improve their physical fitness and self-confidence in achieving inner peace and mindfulness.
- For the students to learn more about the workplace culture, ethics and procedures in the industries, **industry visits** are organized. The participation of the students in training programmes and internships at prestigious companies is encouraged. By competently resolving issues and developing solutions, this helps students get experience to a professional setting.

Gender Sensitization:

- PSG iTech is a co-educational institution and measures are taken towards gender sensitization in terms of equality for both the genders in all aspects.
- Gender equity is practiced in the institution in all its activities including **recruitment of staff, students' admission, allotting them in laboratory batches, project team, cultural activities, sports, association activities**, etc.
- Students are encouraged to co-work with other genders in all the above activities, thus removing any barrier between them and creating a friendly ambience.
- In addition, office bearers of associations, class representatives and club coordinators' positions are shared equally among boys and girls.
- **Women Empowerment Cell** consisting senior female members of PSGiTech conducts various awareness programs and ensures grievances of girl students are addressed in time.

Environment and Sustainability:

- Environment study is a part of the curriculum and PSG iTech enlarges the knowledge of students on sustaining, improving and preserving the environment through various practices and programs to maintain the natural world.
- Extension activities like NSS/ ECO Club, tree plantation, rainwater harvesting, maintaining cleanliness and hygiene are done in nearby areas and schools. Posters, talks, seminars, and rallies are conducted to promote awareness among the public to protect our environment and maintain

ecological balance.

- **Clean India-Swachh Bharat Campaign** enables our students to have a chance to interact with local people and understand their socio-economic background to device ways to maintain cleanliness in neighborhood.
- Through **Unnat Bharath Abhiyan scheme**, students have adopted five nearby remote villages and conducted household survey. Students educated villagers on adopting modern technologies, plastic-free environment, and pandemic management.
- A rainwater harvesting project is implemented on campus to recharge bore wells. Many environmentally related projects on climate change, water/air pollution, sewage treatment, green concrete, energy conservation and management are undertaken by our students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 92.24

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 1141

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 92.47

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
287	262	261	286	291

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
300	300	300	300	300

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

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2.1.2

Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 53.43

2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
103	93	106	125	126

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
207	207	207	207	207

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio**2.2.1**

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 16.28

2.3 Teaching- Learning Process**2.3.1**

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

PSGiTech has established a **Centre for Teaching Learning Practices (CTLP -PSGiTech)** to facilitate academic professional development of faculty members, with the objective to ensure quality of student learning experience. The activities of CTLP-PSGiTech are designed and developed for exploring innovative teaching methods and addressing the challenges associated with teaching learning to enhance effectiveness of teaching. These activities enable learner development, critical thinking, and developing transferable problem-solving skills. The following are a few of the significant activities:

Participatory Learning:

This enables students to proactively engage in the learning process, through in-class structured activities. This consists of:

Active learning methods adopted in classrooms:

- *Challenging assignments, case study presentations, student seminars, other collaborative learning practices and in-class gaming activities.*
- *Centers established to promote participatory learning.:*
 - Product Application Centre
 - PASCO Laboratory

Impact: These activities help the students in improving their internal assessment score, and overall academic performance. Further, self-awareness, sense of responsibility, commitment, interpersonal relationship, teamwork, written, and oral communication also improve

Experiential learning – This activity augments the classroom lectures with student-centric work experience. The students apply what they learn in the classroom to solve real world problems.

- *New experiments in laboratories, fieldwork related to the theory, role play*
- *Centre of excellence provides opportunities for students to interact with industry experts, whereby students can learn from their experience.*
- *Workshops and hands-on-training provided to students.*
- *Participation of students in technical competitions guided by faculty members.*

Impact: All these activities add direct experiential components to their traditional academic studies, and students develop attributes such as patience, perseverance, cooperation, and the role of proper planning before attempting any task. Consequently, willpower and a sense of accomplishment are strengthened.

Problem solving methodology:

Students are taught problem-solving skills to prepare them to solve real-life problems. The following are the different methodologies followed:

- Tutorials • Classroom Discussion – about certain real time problems and their solutions • Challenging questions in IA tests/ Assignments
- Research Activities and Consultancy project work carried out by students • Study about community problems under the supervision of faculty members • Intramural hackathons
- Industrial Automation using **Karakuri Kaizen concepts.**
- Students' participation in national competitions such as **Smart India Hackathons, L&T Techgium contest, Tamil Nadu Student Innovators (TNSI), Open Roads Designer Competition, EngiNX TCS, e-Yantra innovation challenge-IIT Mumbai.**

Classroom technologies and ICT tools supporting these activities:

- Computers with internet access and high-quality digital audio facilities with projection systems in addition to the traditional chalk and board in all classrooms
- Peer learning halls with interactive TV, computers, internet access, roundtables, projectors, and microphones
- Well-equipped laboratories with additional equipment/ software for the conduct of experiments and are kept open beyond office hours for student access.

- Learning management system – Google Classroom
- Presentation Tools Prezi, Canva, Microsoft PowerPoint
- MOOCs via NPTEL, Coursera, Udemy, Edx etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
76	93	95	81	83

File Description	Document
Upload supporting document	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 41.12

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
44	40	37	30	25

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The exam-cell of PSGiTech headed by the Principal (Chief Superintendent) and exam cell coordinators are responsible for the conduct of **Internal Assessment (IA)** examinations and **End Semester Examinations (ESE)**. The exam cell maintains the complete profile of all enrolled students of all batches with software support. PSGiTech being affiliated to Anna University (AU), the ESE are conducted on the dates scheduled by AU and are based on the procedures framed by AU. Exam cell manages exam fee collection, exam registration and communications related to conduct of ESE, central valuations by AU, release of results and revaluations thereafter with AU.

During every semester, three IA tests are conducted as a part of **Continuous Assessment (CA)**. The number of IA tests and the weightages for test and other components such as assignment/mini-projects/case-studies of CA marks are decided based on AU regulations. The dates for IA tests are published in the academic calendar at the beginning of the semester, and each student is given a printed version of the academic calendar. The detailed schedule for each series of tests is prepared by Exam-cell in consultation with the Principal and HoDs, and the same is shared with students two weeks before the commencement of respective series of IA tests. This ensures transparency in the scheduling and conduct of tests.

The circular is **disseminated via email, WhatsApp groups and college website by exam-cell**. The examination hall and seat allotment for students are informed a day before test/exam via email and a separate hall-allotment software is developed for invigilation duty allotment to faculty. The IA test process followed is explained in figure below:

- The course instructor gives the corrected answer scripts within the stipulated time to the respective students. Discrepancies in marks awarded, if any, brought up by students, are rectified by course instructor.
- Students and their parents can view their internal test marks in **EDP portal** after 5 days of completion of IA tests. Marks obtained by students for additional CA components like assignments are available in **LMS**. Students CA marks and attendance are entered periodically in AU web-portal for the award of internal marks.
- Students feedback about IA tests and discrepancies in ESE question papers are obtained and corrective measures are carried out.

- IA test-retest option can be availed by students for valid reasons.
- Students' IA test performance is discussed in classes after the tests and also in class committee meetings.
- Orientation program about AU examination is conducted by exam-cell for first year and lateral entry students.
- An alarm system is kept outside the exam hall to contact exam-cell in case of emergencies.
- Provisions are made for students to access the hall allotment information via bar code scanner kept outside the exam-cell.
- Information received from the university (Academic schedule, examination dates, examination timetable, postponement of exams (if any), revaluation) is immediately conveyed to students by exam-cell.
- Exam-cell organizes a prize distribution ceremony for students who secured top rank marks in ESE.
- Exam-cell issues Bonafide /NOC certificates to students for purposes like higher studies, scholarships etc.

The above-mentioned procedures ensure that the assessment procedures are transparent and grievance, if any, are addressed in a timely and efficient manner.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

PSGiTech aims to achieve excellence in education and research, encouraging life-long learning, nurturing engineers with ethics and preparing them to face techno-societal challenges. The institution started adopting **Outcome Based Education (OBE)** in the year 2017, comprehending that the primary need is to focus on challenges of 21st century education such as student engagement, equipping students with 21st century knowledge, skills, and attitudes. The vision of the institution is propagated to all stakeholders and the department vision statements are framed in alignment with the institution's vision statement. The mission statements of the institution and the departments provide a broad approach to achieve the aspirations of the institution/department. **PSGiTech IQAC has organized several workshops, FDPs seminars and extensive discussions on OBE to all the faculty members, for enabling them to frame the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for their respective programs and courses.**

Programme Educational Objectives (PEOs) specify the professional accomplishments that students will attain within 3 to 5 years of their graduation.

Programme Outcomes (POs) are graduate attributes which focus on enabling students to engage in continuous professional development, function effectively with social responsibility as leader or member of teams, demonstrate professional ethics, encourage community living and contribute to nation-building initiatives, engage in life-long learning. These are adopted as provided by NBA. The number of PSO is 2 to 3 and are specific to the department. PEOs, POs and PSOs are disseminated to internal and external stakeholders through various means, regularly and through day-to-day activities as shown in figure below.

Course outcomes (COs) define the knowledge skills acquired by students at the completion of the specific course. The institution is affiliated to Anna University (AU), Chennai and follows the curriculum provided by AU. For every course, 4 to 6 measurable course outcomes are framed by respective faculty-in-charges focusing on imparting higher order thinking skills to students. While framing COs, Blooms Taxonomy levels are taken into account and each CO is mapped to respective Blooms level. These COs are discussed and approved by the **Program Assessment Committee (PAC)**.

The COs are disseminated to students via syllabus book, department webpages and course plan. At the start of every course, during introductory lecture, the faculty member gives an overview of topics covered in the course and explains the outcomes that will be achieved by the students upon completion of the course. A hard copy of the syllabus is maintained in every department for ready reference. **The CO-PO/PSO matrix is framed to show the correlation of individual course outcomes of a course with POs. The strength of correlation is indicated as “1” for Slight (Low), “2” for Moderate (Medium), “3” for Substantial (High) and “-” for no correlation.**

The figure above shows the overall CO assessment process adopted in the institution for CO evaluation. The Internal Academic audit team periodically verifies the assessment process of all courses to ensure its accuracy and quality. The PO/PSO attainment process adopted in the institution is shown in the figure below.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Pass percentage of Students during last five years**Response:** 97.27**2.6.2.1 Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
320	349	323	319	331

2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
325	349	333	341	340

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey**2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.84

File Description	Document
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 235.81

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
20.10	79.31	60.11	69.05	7.24

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

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3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

PSGiTech **Entrepreneurship Development Cell (EDC)** was established in 2016 with a vision to transform a significant part of our students into entrepreneurs. The primary objective of the cell is to foster entrepreneurial spirit in the young minds and to create an entrepreneurial eco-system in the institute.

The following activities are:

- Entrepreneurship training to students via Entrepreneurship Awareness Camps
- In-house Innovative Project Contests
- Seminars on IPR and innovation
- Visits to Incubation Cells
- National Level Technical Symposiums
- Hackathons

- Sharing success stories: Interactions with Entrepreneurs

Innovation Centre

Innovation center is a pre-incubation lab facility provided to the students and faculty members for fabricating and testing their innovative products in development stage. The total area of this facility is **223.42 sq. meter**. This facility is used by our students to implement several innovative projects.

Institution's Innovation Council

Institution's Innovation Council (IIC) of PSGiTech was established with the objective of developing students and faculty members in innovation. Regular workshops on design thinking, idea generation, business model canvas, business plan, pitching events, guest lectures, entrepreneur's talk, incubation cell visits, are conducted and reported to the MoE's Innovation cell periodically. The main objective of such activities is to inspire and motivate students to take up the entrepreneurial path as a career choice.

Participation and Awards in Innovation Contest

PSGiTech students are encouraged to participate in various national level innovation and entrepreneurship contests, namely, **Smart India Hackathon, Toycathon, India Skills, TNSI and International Mars Hackathon 2020**. In Tamilnadu Student Innovator (TNSI - 2020) competition conducted by Entrepreneurship Development and Innovation Institute of Tamilnadu (EDII-TN) three PSGiTech ECE students received a cash prize of **Rs.1 lakh** for their innovative product named **Zigmet**. At **India Skills 2021** Ms. A. Susmeta, of III-year B.E.-CSE won "**Medallion of Excellence**" award and received cash prize of **Rs.25, 000** from Tamil Nadu Chief Minister. Team **Maverickkz** comprising of II-year CSE students won **Rs.1,00,000** in **Smart India Hackathon 2022** and also Team named **Hack at Ease** comprising of Students from II BE CSE and II BE EEE won **Rs.1,00,000 in SIH 2022**. **Digital Pallankuzhi**, a traditional game designed by final year CSE students was **selected** for the National finals in 2021. Team Aurora participated in **International Mars Hackathon 2020** and secured International 6th rank. An Interdisciplinary team of 2016-2020 batch students of PSGiTech participated at **TCS EngiNX - Digital Twin Challenge 2018**, which is a National Competition and bagged the first Runner-Up award of **Rs. 2,50,000**.

Association with other Innovation Institutes

PSGiTech EDC is well connected with other incubation and innovation development Institutes such as PSG Science and Technology Entrepreneurial Park (**PSG STEP**), Entrepreneurship Development and Innovation Institute of Tamilnadu (**EDII-TN**), Anna University Regional campus (**AURCC**) and Anna University - Centre for Technology Development and Transfer (**AU-CTDT**).

IPR Cell

Students and faculty members are encouraged and motivated to file patents based on their innovations and research outcomes. A total of **thirty-five patents** were published as on 14.03.2023. Out of thirty-five patents applied, **six patents were granted**. PSG iTech sponsors and pays the charges pertaining to the registration and publication of patents.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 41

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
9	5	7	5	15

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards**3.3.1**

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 2.94

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
170	48	56	24	23

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 1.29

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
52	54	16	10	9

File Description	Document
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Institutional data in the prescribed format	View Document

3.4 Extension Activities

3.4.1

Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

PSGiTech provides more opportunities to students for harmonious and holistic development of students by conducting several extension programmes since inception. Extension programmes such as **National Service Scheme (NSS), Rotaract club, Astronomy club, Harmony club, Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Eco-club and Youth Red Cross (YRC)** have become indispensable component of extra-curricular activities that encourage students to contribute to the welfare of the public in neighbouring villages.

National Service Scheme (NSS)

The National Service Scheme (NSS) has played a major role in enriching the lives of students as well as the people in neighbouring villages by organizing various events and programmes. Students visit

orphanages regularly and interact with inmates and distribute food. Financial assistance and clothing is also provided. Various awareness programmes such as **bike rally** were conducted to create an awareness about hygiene, the environment and pollution. PSGiTech students served the cancer patients by conducting **music therapy** activities. NSS volunteers took part in various cleanliness activities such as cleaning the villages and temple premises, parks, and schools.

Rotaract Club

Rotaract club is a global organization that empowers young people to create optimistic impact in society and the world. Several sessions on building self-defense and self-confidence for girls were organized. The event 'Squeeze Me Use Me' was conducted for the distribution of sanitizers. Online tutorials for government school students were conducted to teach how to think intensively and critically. The event 'HeForShe' was arranged to reshape one's perception and empowering women.

Astronomy Club

Astronomy club is a community of individuals who share the passion for exploring and learning about the wonders of space and the universe. Various events have been conducted for exploring the universe and to observe celestial objects. Workshops on telescope handling provided a fantastic opportunity to gain practical skills and knowledge about the universe. Skygazing events have been regularly organized to observe the beauty of the night sky and foster a deeper appreciation for mother nature.

Harmony Club

Harmony club focuses on promoting social cohesion, cultural diversity and brings people of diverse backgrounds and cultures together. Several events have been conducted to promote literacy and education among villagers such as **Book Donation Drive**.

Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is a significant initiative that supports the government's vision to create skilled and employable workforce. Various skill development programmes on plumbing, construction laboratories, field technicians, mobile hardware technicians were conducted for youths of nearby villages to acquire industry-relevant skills.

Eco Club

Eco club has organized various programs that promote environmental awareness, sustainability, and conservation. Swachh Bharat campaign was carried out to bring a positive change in the behaviour of people towards cleanliness and hygiene. Dengue awareness program was conducted to create awareness about the importance of maintaining a clean and mosquito-free environment.

Youth Red Cross (YRC)

Youth Red Cross (YRC) at PSG iTech work towards the upliftment of society and the promotion of human values. Various awareness programmes on stem cell donation and organ donation were conducted. The students visited Mahatma Gandhi Ashram to get glimpses of Mahatma's life and

philosophy.

File Description	Document
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3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Introduction

PSGiTech students have participated regularly in many events organized by various colleges and other organizations and brought significant laurels to the institution. Besides, our campus is identified as a central venue for government activities like competitive examinations, medical camps, blood donation camps, etc. The students and faculty members dedicated their time for a noble cause and organized a voluntary blood donation camp through YRC in our college which received an excellent response from the students and staff.

Awards received by NSS and other clubs

The NSS, NCC, YRC, Rotaract and many clubs in the institution had jointly organized many programmes for the public for the welfare of society. Based on that NSS unit in the institution was recognized as best NSS unit award for the year 2019-2020 by Anna University, Chennai for the meritorious services rendered under NSS. PSGiTech students also received the best NSS volunteer award from Anna University for the year 2019-2020 in recognition of the meritorious services rendered under NSS. **Vanam India Foundation** at Tirupur had appreciated the NSS team for their green initiative activity of **five thousand number of palm tree seeding**. The institution also received a certificate of commitment from the Central Vigilance Commission for upholding the highest standards of integrity and good governance and to follow ethical practices in conducting its activities.

In addition, the NSS team offers many medical services to the nearby villages and Government schools. The YRC unit also received certificates of appreciation from Youth Red Cross society for active participation.

Awards received by faculty members

Faculty members of PSGiTech have received the best women researcher award (Humcen award) in the year 2021. Also received an award under the category of innovative technological research and dedicated teaching professional award for the year 2018 by **Innovative Scientific Research Professional**,

Malaysia. Young Faculty achiever award 2018 by Engineering Professional Society. Also, the faculty members award list continued through the category of Senior Woman Educator & Scholar award 2021 by National Foundation for Entrepreneurship Development. Furthermore, the highest PhD scholars guided award of the year 2022 was also received by the faculty from Kumari Mangrove Foundation.

The institution has been awarded as the best spoke institution for the **IEDP** promotional activities under Program Monitoring Office – **Innovation and Entrepreneurship Development Programme** for the academic year 2021-2022 by Anna University, Chennai.

Benefits of awards and recognitions

These awards and recognitions play a vital role in promoting and recognizing the efforts of organizations that work towards the betterment of communities. The recognition serves as a motivation for organizations to continue their efforts and work towards achieving excellence in their extension activities.

In conclusion, awards and recognitions received for extension activities from the government and government-recognized bodies play a crucial role in acknowledging the hard work and dedication of organizations towards improving the quality of life of communities. These awards not only recognize the efforts of organizations but also promote healthy competition and sharing of best practices. They serve as a motivation for organizations to continue their efforts and work towards achieving excellence in their extension activities, benefiting the communities they serve.

File Description	Document
Upload Additional information	View Document
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3.4.3

Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 68

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
25	2	17	7	17

File Description	Document
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Institutional data in the prescribed format	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 19

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

PSGiTech is spread over an area of **15.71 acres with a built-up area of 68,000 sq.mts.** The college has received the Exemplary Performance Award from **GRIHA** for sustainable campus under the category of **passive architecture design** in 2017. It has adequate building space for classrooms, laboratories, library, hostels, auditoriums, seminar halls, parking areas and playgrounds etc., along with internet/Wi-Fi facility. The facilities of the institution are used for conducting government examinations and for placement drives. The infrastructure and physical facilities of the institution and in effective teaching and learning, thereby, leading to the multifaceted development of students.

Fig 1. Illustrates different dimensions of the infrastructure facilities at PSGiTech.

The details are enumerated in the following sections:

S.No	Typical Infrastructure Facilities	Key Description
1.	Academic & Research promotion facilities	<ul style="list-style-type: none"> • 29-Classrooms, 5-Seminar Halls, 3-Drawing Halls are equipped with the required ICT facilities. • Academic Labs - 43 • Research labs - 13 • Centers of excellence 9 • Central library - automated with RFID technology • Department library • All faculty have computer with LAN connection2.
	Administrative setup	<ul style="list-style-type: none"> • Trustee Office • Secretary office • Principal Office • Accounts Office • Board Room • Staff Rooms • Hall of Fame
3.	Academic Support system	<ul style="list-style-type: none"> • Internal Quality Assurance Cell (IQAC) • Placement Cell • Exam Cell

4.	Student Support system	<ul style="list-style-type: none"> • Students Union Room • Students Wellness Centre • College Bus - 6 • ATM
5.	Conference halls, Cultural programme support system	<ul style="list-style-type: none"> • Open Auditorium • Seminar Halls-5 (each with a seating capacity of 180 members and are built-in with Dual-LCD Projectors setup, latest audio-visual aids and other multimedia tools) • Peer learning hall with video capturing facility - 2 • Seminar hall with video capturing facility -1 • Convention center of 1500 seating capacity cater to the required needs of this institute
6.	Green Infrastructure	<ul style="list-style-type: none"> • Campus Lawns • Sewage treatment plant • Solid Waste Management System • Solar panels with a capacity of 260 kW • Rainwater Harvesting System • Wheel on Grid system • Solar water heater in hostels
7.	Health care facilities	<ul style="list-style-type: none"> • Medical Health care center • Gymnasium/Fitness Centre • Counselling Room • Yoga center
8.	Residential complex	<ul style="list-style-type: none"> • Boys and Girls Hostels • Staff quarters • Children's Park • Guest House • Temple
9.	Sports facilities	<ul style="list-style-type: none"> • Indoor stadium (772.79 sq.meter- seating capacity 50-made of Maple Hard Wood) • Outdoor Playground (23,794 sq.meter)
10	Student Recreation setup	<ul style="list-style-type: none"> • Food court • Common room for ladies

		<p>and gents</p> <ul style="list-style-type: none"> • Separate rooms for a few clubs like NSS, NCC, YRC.
11.	Security setup	<ul style="list-style-type: none"> • 219 CCTV Monitoring camera • 24x7 security • Fire extinguisher & fire hydrant systems
12.	Utility facilities	<ul style="list-style-type: none"> • RO units in each floor • Parking facility for Faculty & Students • Utility Store
13.	Physical IT Infrastructure	<ul style="list-style-type: none"> • Computer Labs • Wi-Fi Network (Device restricted) • 300 Mbps Bandwidth LAN connections • Total number of computers in campus: 1060 • No. of computers available for students' usage: 790
14.	<p>Other Infrastructures:</p> <ul style="list-style-type: none"> • Toilets are available in all buildings to facilitate barrier-free mobility for persons with disabilities. • Ramp facilities and emergency exits are there in all blocks. • Lift service and wheelchairs are there to support people with disabilities. • An adequate number of storerooms, power rooms, and noticeboards in all blocks are provided. • Two generators with a total capacity of 820 kVA. • Reprographic facilities are available in the library for the benefit of students & faculty. 	

Thus, the institution has adequate basic infrastructure that will facilitate overall development of all students at PSGiTech.

File Description	Document
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Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure, excluding salary for infrastructure augmentation during last five years

(INR in Lakhs)

Response: 77.16**4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
9343.78	2271.90	3479.74	8204.28	2137.25

File Description	Document
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Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource**4.2.1**

Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

The **central library is fully equipped with computerized RFID technology** which provides self-issue/return/renewal of books, and periodicals using “Kiosk” system. Users will receive an email notification for each transaction through their institute email ID. **Open Access System** is being followed in the library.

e-Gate Register:

The Biometric Fingerprint method is used for library users and visitors to record their entry and exit during library resources utilization.

Circulation Section:

The circulation section houses and circulates books on a wide range of topics from academics to general books. Book titles suggested by the experts, faculty members and students are arranged in the stack area according to the Dewey Decimal Classification (DDC) Scheme.

Details regarding borrowing books: -

Category	No. of Books	No. of Days *	Renewal
UG & PG Students	6	14	1

Scholars	3	14	1
Faculty	9	90	1
Staff	5	30	1

* Holidays excluded

Help Desk

Biometric registration process is followed for new users after users' verification. Issue / Return transaction service (manual) is also available to avoid overcrowding.

Web OPAC: (<http://library.psgitech.ac.in/>)

Online Public Access Catalogue (**OPAC**) is a tool used for searching the status of bibliographic records available in the library. The OPAC also provides information about new arrivals of journals / books, issued books, On-Shelf books etc. in the library. OPAC includes multiple searches, results refined option and bibliographic detail view features. The cover image of new arrivals will be displayed through OPAC for users' awareness and instant attention.

Kiosk system (Self Issue)

Users themselves can take the library books by using the Kiosk system. After issue of books through the Kiosk, a printed receipt will be issued for confirmation of the transaction, which one needs to deposit at the circulation desk, while leaving the library.

eBook Reader Service

Pre-loaded eBook reader (Amazon Kindle) is available in the circulation section for user's in-house reading purposes.

Dropbox

- Dropbox gives **24/7 access** for users to return the borrowed item(s). This facility is utilized any day at any time.
- Each transaction is acknowledged with a printed receipt and an email.

Periodical Section

Understanding the importance of journals and magazines, for the purpose of research, the library has subscribed to **sixty-seven** printed national journals and magazines of high repute.

Book Bank Section

All the users are eligible to avail this facility and borrow one book from the Book Bank for their use during one academic semester.

Digital Repository

Last year **question papers** and **students' projects** are available through open access with download provision.

Plagiarism Check Software

A licensed version of "**Turnitin**" software is available for use by Faculty and students while preparing their Thesis Reports/Research Articles.

Institutional Membership

DELNET:

The library holds institutional membership with DELNET for Inter Library Loan and Document Delivery Services.

Subscribed Databases:

Scopus (Abstract and Citation)
Turnitin (Advanced Similarity Checking)
Typeset IO (Manuscript Template)

Online Resource (<https://idp.psgitech.ac.in/>)

The following online resources can be accessed by faculty / staff and students from any place

- IEEE (ASPP)
- Springer Nature
- Science Direct

User Interaction Facility

A discussion hall with audio and video facilities is available for discussions, meetings, and to carry out research work. Pre-booking register is available in the circulation section for booking the hall in advance.

Wi-Fi

Library Wi-Fi is connected through campus internet for user's access.

File Description	Document
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4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

Computing Resources

PSGiTech has state of art IT facilities for students and faculty. **1060 computers are available on the campus with LAN Connection.** Out of 1060 computers, **790 computers are for student usage and 270 computers are for faculty and supporting staff members' usage.** All blocks in the campus are connected through fiber optic with VLAN at a speed of **1Gbps**. The minimum configuration of computers available is corei3, 4 GB RAM and 500 GB of HDD. The maximum configuration is core i7 processor, 16 GB RAM and 1 TB of HDD. There are **nine highly configured servers** available in the server room to provide network connectivity on the campus. One workstation and four Apple Mac desktops are also available in the campus.

Internet and Wi-Fi

Internet facility is provided through **Ready Link Internet Services Ltd** with a bandwidth of **200 Mbps** and **Wireline Solution India Pvt Ltd** with a bandwidth of **100 Mbps**. A total of 300 Mbps bandwidth is available in the campus. The computers in the different blocks are interconnected with fiber optic through distribution switches. The entire campus, including the hostel block, has Wi-Fi access points to access educational resources through internet and intranet service. The internet service is available to all students and faculty members on the campus, and they are provided with unlimited data. **219 CCTV** are installed in the campus. For conducting online classes, web cameras, wacom boards, zoom license are available in the campus. **All the classrooms and seminar halls are equipped with LCD projectors and LAN/Wi-Fi facilities to deliver presentations.**

E-Services

A unique mail id is created in college domain for all faculty members and students. The college website provides all the essential information for the stakeholders. Google Classroom is used for online teaching learning process. Class notes and assignments are uploaded in Google Classroom. Training programmes to upgrade the programming skills of students and faculty are periodically organized through webinars. Students' online feedback is conducted twice in a semester. WhatsApp group is created for each class to communicate with students. Biometric attendance using Wi-Fi biometric devices are collected from all students for every hour. Bulk SMS facility is available to communicate the attendance of students to parents. Moodle is also effectively used as a learning management system, along with google classroom.

Updating the IT facilities

Based on the increase in the intake of students and the latest technology required as per regulations, the number of computers in the laboratories is updated. The student to computer ratio is maintained as 1.5:1 and the bandwidth speed is upgraded periodically as follows:

Band Width Details	2021-2022	2020-2021	2019-2020	2018-2019	2017-2018
	300 Mbps	300 Mbps	300 Mbps	95 Mbps	95 Mbps

Total numbers of Computer Systems have increased from **435 (2017-2018) to 1060 (2021-2022)**. Based on the requirements, necessary software and hardware devices, computer systems and their peripheral devices are purchased. Existing systems are also upgraded.

List of Software:

Windows XP	Microsoft Office
Windows 7	OrCard
Windows 10	Oracle
Centos	HDL Software
Ubuntu	Auto CAD
Windows Server 2012	Adobe Photoshop
Windows Server 2016	Clarity S.NET
C	Stimula
C++	Microsoft Vosual Basics
JAVA	NS2
.Net Framework	Macromedia
Net Beans	Matlab
Python	Eclipse
Sold Works	Android Studio
Adobe Reader	

File Description	Document
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4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 1.57

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 790

File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1**

Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 20.95

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
1696.78	1476.58	1428.61	1239.81	1066.32

File Description	Document
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Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 52

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
626	568	679	725	715

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5.1.2

Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description

Document

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5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 86.11

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1020	576	1269	1309	1312

File Description**Document**

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[View Document](#)**5.1.4**

The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: C. Any 2 of the above

File Description**Document**

Upload supporting document

[View Document](#)**5.2 Student Progression****5.2.1**

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 85.69

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
286	290	283	268	280

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
320	349	323	319	331

File Description**Document**

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[View Document](#)**5.2.2**

Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 7.37

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
18	25	25	30	23

5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
320	349	323	319	331

File Description**Document**

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5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 39

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
4	6	9	9	11

File Description

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5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 30.2

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
24	08	38	40	41

File Description

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Institutional data in the prescribed format

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5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

- The institution has a registered alumni association, **“PSGiTech Alumni Association” (SRG/Coimbatore/148/2022)**
- The alumni members of the institution organize activities through their administrative body, which holds periodic meetings. It also regularly updates the database of the alumni of the institution.
- The members of the alumni deliver invited talks and organize training sessions for the current students.
- The alumni assist the institution by providing information about the opportunities available for in-plant training, internships, industry projects and job openings in companies.
- The alumni periodically inform the institution about the latest happenings in the industry and the skills expected from the students during the campus hiring.
- The college website provides information about the office bearers of the alumni association and its activities.
- The alumni survey is collected every year during alumni meet. The survey relates to their employment and further education, perceptions of institutional emphases, gains in knowledge and skills.
- The institution has a link for alumni on the website.
- The alumni register their details on the site once their UG/PG Programme is completed.
- The information is shared to them through what app and email. Through this Association, the Institution conducts “Alumni Meet” every year.
- During the "Alumni Meet" alumni share their success stories with the current students. The alumni highlight the current trends in the market and guide the students about the career opportunities in different fields.
- The association acts as a bridge between the institution and the industry. The association also arranges guest lectures and webinars where the alumni share their rich experiences and skills with the current students.
- The alumni also help the institution by persuading industries and other agencies in getting placements. Alumni visit campus at regular intervals to support the existing batch of students in planning and organizing events.
- The alumni contribute financially to talented students from economically backward by their tuition fees.

The **Third Alumni Meet** of PSG iTech Alumni Association, Neelambur was held on **12th February 2022**. Two Hundred and Thirty Alumnus from 2014-18, 2015-19, 2016-20 and 2017-21 batches and their parents attended this meet.

File Description	Document
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Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

Vision of the Institute

To achieve excellence in education and research, and nurture engineers with ethics, who will face global challenges to serve industry and society.

Mission of the Institute

- To facilitate active learning and vocational training.
- To encourage and promote questioning spirit and 'can-do' entrepreneurial attitude.
- To foster industry - institute collaboration.
- To ignite passion for creative work and selfless service towards a sustainable world.
- To provide intellectually stimulating environment, conducive for research

Nature of Governance

The nature of governance is the process of systematic decision-making and control within an institution for continuous improvement. Good governance is essential for the success of the institution, as it ensures that decisions are taken in the best interest of all the stakeholders in a transparent and accountable manner.

Various decentralization verticals have been formulated for the effective functioning of the institution. Each vertical has independent heads and members with a dedicated team that take decisions in line with institution policy in consultation with the **Principal/ Management**. The various cells functioning in the institution are Governing Council, Grievance Redressal Committee, Internal Complaints Committee (ICC), Anti-Ragging Committee, Women Empowerment Cell, Training and Placement Cell, R&D, Alumni Association, Institute Industry Interaction Cell, NSS/YRC/ Rotaract, IPR & EDC, Centre for Teaching Learning Practices etc., In all the activities the cells and associations are connected with development, implementation and continuous improvement of the functioning of the institution. The college management extends complete support and allows the teams to work in a professional atmosphere with freedom to reach new milestones

Strategic / Perspective Plans

Perspective plans outline the vision, objectives, strategies, and methods that the institution will use to achieve its goals. The purpose of a perspective plan is to provide a framework for the institution to use when making decisions about the upcoming future. The plan is used to measure work-in-progress, gap

analysis and evaluate the strategies and tactics that the institution uses to reach its objectives, in line with institution's vision, mission, and its realistic values. The plan includes:

- Effective Teaching and Learning Process
- Preparation of NAAC documents
- Research Center Recognition for all Engineering Departments
- One International Conference per Department with ISSN/ISBN Number
- Improving Student Performance In GATE, UPSC and CAT Exams
- Obtaining Autonomous Status
- NBA-Reaccreditation
- Improving NIRF within 100 Ranks
- Increasing number of Patent filing and IPR
- Improving Sponsored Research and Consultancy
- Obtaining median salary of placements from 5 to 10 LPA
- To obtain UGC -12 F Recognition
- New UG Programme / additional intake in ECE
- Foreign University Collaboration
- To Commercialization of Patents
- To obtain more quality Doctorates
- Degree Granting College - Type-3 as per NEP-2020
- Improving percentage of students going for Higher Studies
- International MoU
- Publishing in iTech Journal
- Establishing Centre of Excellence in various departments.
- Enhancing alumni engagement

Decentralization and Contribution of the Teachers in the Decision-Making Bodies

Teachers play a significant role in decision-making bodies at all levels of education. They participate in decisions related to teaching strategies, assessment, institutions policies, content beyond curriculum and budgets. It is important that teachers engage in decision making processes to ensure that their opinions and expertise are taken into consideration.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

PSGiTech, the latest initiative of PSG and Sons' Charities, aims to realize its objective of enhancing youth empowerment through technical education. This institution caters to various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics.

Quality Culture and Initiatives

PSG iTech aims at effective transfer of knowledge, pursuit of truth and Moulding the students to become ideal citizens of the country. Within a short span of time, the institution has emerged to be one of the most preferred institutions for the engineering aspirants in Tamil Nadu.

PSGiTech, started in the year 2014, is an AICTE approved institution and affiliated to Anna University, Chennai. This institution is equipped with various Centres of Excellence such as Innovation Centre, NI Graphical System Design Centre, Keysight RF Circuit and System Design Lab, Festo Lab, NEXMOO Mobile & IoT Centre of Excellence, CISCO Network Academy and e-Yantra.

Current Scenario

Currently, educational institutions cater to changing global scenarios and tune themselves to meet the expectations of the various stakeholders. In this context, a series of brainstorming sessions with the stakeholders were conducted to chalk out a strategic plan for 2020-2031 for the institute. Considering the path travelled (History of the institution, Growth Pattern, Present Status), a detailed SWOT Analysis was done. Based on the analysis and deliberations, a strategic plan has been developed with respect to the following aspects:

- Teaching – Learning Process
- Research and Development
- Human Resource Planning and Development
- Industry-Institute-Interactions / Industry-Academia Conclave
- Community Engagement / Corporate Social Responsibility
- Internationalization

Team Based Approach with Strategic Planning

The strategic planning developed served as a monitoring tool for self-appraisal at various levels and is also a guiding document from all the stakeholders involved in the planning and implementation of the policies. These plans are deployed through systematic means by empowering the stakeholders concerned and providing them with the necessary resources to make the plans happen. Periodical reviews to assess

the achievement level in relation to the plan and taking necessary corrective action were called for. With sustained efforts, involvement, monitoring and support, the goals set in the document were achieved.

Few Accomplishments, Achievements and Strategies Implemented

The accomplishment of those plans is evident through NIRF Ranking, Publications and R & D projects etc. A simple case study on Research and Development activities is discussed below:

- At present 61 faculty members are Ph.D holders.
- The number of publications in Scopus, Web of Science and other indexed journals has subsequently increased.
- The above achievements are made possible through the implementation of following strategies:
 - Incentive schemes for paper publications in quality journals (Scopus, Web of Science) through semester-wise faculty award system.
 - Special incentives for deserving Ph.D. Research scholars
 - Seed money for R&D projects to faculty etc.

Bench Marking:

Management has chosen SSN College of Engineering as a Bench Marking Institutions as PSGiTech, as SSN College of Engineering and PSGiTech are both self-financing institutions with the same value systems.

File Description	Document
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6.2.2

Implementation of e-governance in areas of operation

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

Response:

Excellent Conducive Academic Environment

PSG iTech takes diligent care of and provides complete freedom to its employees both teaching and non-teaching towards effective and efficient discharge of duties for the benefit of the student community. The college values the contributions of its employees to the development and the progression of the institution.

Effective Welfare Measures

The institution ensures the physical and mental well-being of its faculty and supports staff members by providing worthwhile welfare measures for the benefit of the individual and their family. These measures are extended through financial benefits, physical and psychological well-being leave benefits, appreciation, incentives, recognition, and career development.

- EPF coverage for all faculty and staff members
- ESI coverage for employees with a salary less than Rs. 21,000/- month
- Gratuity benefits for all faculty and staff members
- Road safety insurance package up to Rs. 1 Lakh
- Interest free festival advance of Rs. 10,000/-
- Financial support for all faculty members to attend conferences/seminars/workshops/trainings
- Free hostel accommodation for staff members
- Yoga sessions offered for all faculty and staff members
- Medical Center facility
- Free medical check-up and vaccination camp through PSG Hospitals
- Ambulance service
- Maternity Leave with two months' salary
- Medical Leave
- Sabbatical Leave
- Allowed to avail unrestricted on-duty for Ph.D. related work.
- Incentives for publications, completing Ph.D. and patents
- Permission to faculty to deliver guest lectures in other institutions by providing on-duty to go-to other institutions
- Orientation for newly recruited faculty members and FDPs are facilitated through PSG CARE
- Faculty members are encouraged to do Online Courses (NPTEL, Coursera, NITTTR).
- Seed money for research work
- Awards to appreciate and recognize exemplary service of faculty and staff members are instituted by the Management on Teachers' Day and Women's Day
- Appreciate and recognize talents through cultural and sporting events

- Employment on compassionate grounds for family members of staff members
- Computer with internet facility for all faculty members
- Free uniform for all faculty and staff members
- Sports and gym facilities in the institution
- ATM facility inside the institution
- Canteen facility
- Subsidized transportation facility

Performance Appraisal System

The Management has the right to prescribe the appraisal mode to assess the performance of an employee, which may include conducting periodical performance of the employee, for granting annual increments and/or promotion.

Performance appraisal for all faculty members is conducted annually. Faculty members are required to submit their self-appraisal form, duly signed by their respective Heads of Department, to the principal.

Promotion Policy`

The objective of the promotion policy is to recognize and reward, merit and competence. It improves organizational and functional effectiveness.

Promotion and Career Advancement interviews are conducted annually for eligible teaching faculty members. Based on their nature of work, performance, and suggestions by their respective heads of the departments, they are promoted to the next level. Staff are also provided with opportunities for increment, promotion, and the opportunity to pursue higher studies.

Various Metrics and Phases

Performance appraisal for all faculty members is conducted annually. The appraisal form comprises of:

1. Teaching-learning process
2. Research activities
3. Academic activities
4. Contribution to departmental as well as institutional activities

Evaluation of each faculty member individually is conducted at the level of respective HoDs as well as Principal.

File Description	Document
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6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 61.45

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
47	52	54	52	58

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 80.13

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
84	103	105	96	96

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
35	34	38	34	35

File Description	Document
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Institutional data in the prescribed format	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Strategies for Fund Mobilization

The institution has a systematic well-defined financial setup which ensures effective and flawless utilization of grants for academic, administrative, and developmental activities which help to implement the institution's strategic vision and mission. The finance committee and the Governing Council constantly monitor and encourage proper utilization of allocated funds as per need. The funds are distributed to each department during the preparation of the annual budget. Financial matters are firmly monitored by the accounts section. In case of any need where financial support is required, a formal request in writing is made by the department concerned and funds are allocated on a need basis.

Optimal Utilization of Resources

The institution has a resolute strong financial team in place, which organizes and ensures the flow of optimum effective utilization of funds. Financial Planning is prepared well in advance for the institution with efficient budgeting involving the various Academic Departments and Administrative Sections of the Institution. Every year a budget is prepared which involves projected revenue and general expenditure and capital expenditure so that the funds can be managed effectively and planned well in advance. While preparing the budget a meeting will be convened by the principal with all the department heads and their requirements, which include lab requirements, research, co-curricular, extracurricular activities etc., in the annual budget are discussed. After reviewing of the budget by the principal, the final consolidated budget is forwarded to the management for approval.

Funds from Various Sources

The institution is run with self sufficient funds by generating the cash inflow from tuition fees from students and other miscellaneous income. The management will review the financial activities through scrutiny of budgets versus actual in every quarter which will ensure whether the finance utilization is going on in the correct direction, if not the management recommends for alternate strategies.

Optimum Utilization of Funds

Sufficient funds are allocated for effective teaching-learning practices that include orientation programmes, workshops, inter-departmental activities, training programmes, symposiums, conferences that ensure quality education. Budget is utilized to meet everyday operational and administrative expenses and maintenance of fixed assets. Faculty members are encouraged to attend the Faculty Development Programme, seminars etc., and the expenses are taken care of by the management. Enhancement of library facilities needs to augment learning practices and accordingly the funds are utilized every year. Enough funds are allocated for social service activities like NSS, blood donation camps, eye camp, road safety awareness programs, club activities, CSR activities etc.,

Internal and External Auditing Systems

The institution has a fool-proof structure for internal and external auditing systems. The institution's financial committee does the internal auditing. The committee takes utmost care in scrupulous verification of income and expenditure details and the detailed report of internal audit is submitted to the management of the institution through the principal. External audits are conducted once a year. The process of effective and efficient monitoring of financial resources is as below:

Book of Accounts maintained in the college is audited annually by External Qualified Chartered Accountants appointed by the management and the final audited report is discussed in the Annual Meeting of the Management Committee for further actions and suggestions.

File Description	Document
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6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

About Internal Quality Assurance Cell (IQAC)

The main objective and functioning of the Institutions IQAC (Internal Quality Assurance Cell) is to make quality the defining element of higher education in PSG iTech through a combination of self and external quality evaluation, promotion, and sustenance initiatives. As quality enhancement is a continuous process, the IQAC is a part of the institution's system and works towards realization of the goals of quality enhancement and sustenance towards the development of Quality Culture in the institution.

Major Tasks of IQAC

The prime task of the IQAC is to develop a system for conscious, consistent, and catalytic improvement in the overall performance of the institution. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence. The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the IQAC. Its success depends upon a sense of belongingness and participation it inculcated in all the constituents of the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

Functions of the IQAC

Some of the functions of the IQAC are as follows:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Arrangement for feedback response from students, parents, and other stakeholders on quality-related institutional processes; data is analyzed for quality enhancement.
- Dissemination of information on various quality parameters of higher education.
- Organization and documentation of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles

Benefits of IQAC

IQAC will

- Ensure heightened level of clarity and focus an institutional functioning towards quality enhancement
- Ensure internalization of the quality culture
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices
- Provide a sound basis for decision-making to improve institutional functioning
- Function as a dynamic system for quality changes in the institution
- Build an organized methodology of documentation and internal communication.

Strategic Perspective of IQAC towards Continuous Improvement

The Strategic Perspective of IQAC are as follows:

- Periodically to ensure effective implementation of academic policies for ensuring and sustaining quality
- The Internal Audit Committee conducts audits at regular intervals. The auditors verify the lesson

plan, syllabus coverage as per plan, course materials, class log, assignments and COs attainment given to students, Internal Test Evaluation, steps taken for slow learners, Course Analysis Report to CO PO attainment etc.,

- The Principal, Heads of departments and academic monitoring committee members measure the delivery effectiveness of teaching methods using structured process and procedure formulated by IQAC.
- The performance of the students and quality of teaching learning process is constantly monitored as per the IQAC audit procedure.
- The measures for improvements are implemented, based on the IQAC recommendations towards attaining the continuous improvement

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6.5.2

Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)/ membership of international networks
3. Participation in NIRF
4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

Academic teaching, research, and community outreach with a focus on addressing gender equality gaps play a vital role in the development of key policies and programmes that have contributed towards the status as a champion of women's empowerment. The Institution's **Women Empowerment Cell** plays a significant role in advising the institute on gender-related issues with emphasis on educational attainment, health, preparation for economic opportunity, and safety. The conscious efforts to maintain gender balance among faculty, senior management, and students are listed below:

- Led by women administrators at departmental levels, we have constantly created a safe learning and teaching environment for female faculty staff and students.
- The institution has created and conducts annual programs that allow women students and faculty to organize events within and outside the institution promoting solutions to issues related to women and community.
- Regular mentorship programs, problem and solution-centric counselling programs have been conducted across the campus.
- **Womens' Health Awareness programs** are conducted for female student population.
- Special committees monitor women safety and security within the campus
- Inclusion and Financial Incentives Scholarships are available for female students who show promise in academics
- Common Rooms are made available separately for boys and girls.

No. of Male and Female Students

	2021-22	2020-21	2019-20
Male	803	833	826
Female	423	411	444

No. of Male and Female Faculty Members

	2021-22	2020-21	2019-20	2018-19	2017-18
Male	49	58	55	47	46
Female	27	35	40	34	37

No. of Male and Female Leaders in Administration

	2021-22	2020-21	2019-20	2018-19	2017-18
Male	5	5	4	4	4
Female	4	4	5	5	5

PROGRAMS AND ACTIVITIES SUPPORTING WOMEN'S EMPOWERMENT:**HEALTH:**

- Awareness programs are conducted on gynecology and handling mental stress for female students.
- PSG iTech has medical center with both male and female clinical staff.

SAFETY AND SECURITY:

- Counsellors specifically address women's issues.
- Special rooms and committees monitor women safety and security within the campus

INCLUSION AND FINANCIAL INCENTIVES:

- Scholarships are available for female students who show promise in academics.

II. INITIATIVES TOWARDS CELEBRATION OF NATIONAL AND INTERNATIONAL COMMEMORATIVE DAYS:

- Unifying students, faculty and staff members, PSG iTech celebrates national days such as Independence Day, Republic Day, and cultural and religious festivals such as Pongal, Onam, and Navaratri.
- Independence Day and Republic Day celebrations have involved joint celebrations with the iTech NCC unit parade and is followed by tree plantation and cultural events.
- Students put together cultural programs and patriotic plays that celebrate the diversity of cultures in India.
- The campus also celebrates Women's Day, Engineers' Day, Teachers' Day, and Mother Tongue Day.
- Many students, faculty and staff members participate in the celebrations like Pongal, Onam, and Navaratri...
- The institution also conducts many cultural and technical events inside the campus includes Orientation, Annual Day (Dakshaha), Alumni Induction, Graduation Day, Industry Academia Conclave, Technical Symposium (Yuktaha), Cultural Fest (Advaya), Sports Day (Sudeva), and Hostel Day (Samarthaha).

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7.1.2**The Institution has facilities and initiatives for**

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
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7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
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7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

PSGiTech is committed to fostering an inclusive ecosystem that binds people together irrespective of cultural, regional, and linguistic differences. In line with the UN's **Sustainable Development Goals (SDGs)**, the college strives to reduce inequalities and promotes peace and harmony by heart and soul. The college strongly advocates '**Unity in Diversity**' philosophy and celebrates the idea of oneness. Besides, the college regularly organizes several co-curricular and extra-curricular activities to inculcate harmonious relationships among all the people inside and outside the campus in every viable way. The inclusivity of the campus is reflected not only through various activities and events organized by different clubs, but also by students who come to the institution from various states and multiple socio-cultural backgrounds. Further, the college sensitizes all the students and employees to uphold the constitutional rights and responsibilities, values and duties and groom them as responsible citizens of this country.

Typical Actions initiated by the college to ensure tolerance, harmony, peace, equality, and values:

- Several regional-level festivals like Pongal, Vinayakar Chaturthi, Onam and Navarathiri are celebrated with students, faculty, and staff members.
- Various classes and events are conducted for students to enhance their proficiency not only in English but other languages like Tamil, German and Hindi.
- National Service Scheme (NSS) and **Youth Red Cross YRC**, in association with PSG IMSR, periodically organizes Blood Donation and Medical Camps for the needy people in addition to organ donation camps.
- To sensitize students towards the Constitutional Obligations and Electoral Rights and Duties, Voter Registration Camp and Voter Awareness Programmes are conducted for all the eligible

students in the campus.

- NSS organizes various events like campus cleaning activity and orphanage visit to make the students understand the social responsibility and ways and means of establishing harmony in life.
- YRC club organized vaccination and vaccination awareness camp during the Corona pandemic for all the faculty and staff members with the help of PSG IMSR.
- The college gives utmost importance for inculcating values among the students. Following the guidelines given by the AICTE, the college conducts programmes like **Universal Human Values (UHVs)** for all the first-year students and encourages faculty members to complete the various courses offered by AICTE. Besides, professional ethics classes are conducted for third and final year students.
- **Yoga classes** are conducted for both students and faculty members to improve strength, flexibility and importantly to enhance mental well-being. Regular yoga classes are conducted for all the faculty members on Wednesdays. It is helpful in establishing harmony and peace among the students and faculty.
- Independence & Republic Days are celebrated every year. An eminent person is invited to hoist the national flag and deliver the presidential address with a parade by students of **NCC Boys and Girls Wing**.

File Description	Document
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7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Title of the Best Practice 1

Microteaching for Effective Teaching and Learning

Objectives of the Practice:

Microteaching is a systematic practice at PSG iTech that plays a crucial role in enabling faculty members to effectively prepare and deliver confidently the contents for both theory and laboratory courses.

Aims:

- To enhance the quality of teaching by integrating various pedagogical methods with the support of an expert panel.
- To enable preparation of the required resources to demonstrate laboratory experiments.

The Context:

Learners and their learning styles vary depending upon the changes in the social and cultural milieu and it is imperative for faculty members to find efficacious teaching methods integrating various tools, techniques, and technologies. Understanding the prevailing challenges in teaching and learning, microteaching was contextualized to reach the students better and help the faculty to teach the courses with suggestions and guidance from experienced teachers.

The Practice:

PSG iTech established the practice of microteaching through the Centre for Teaching and Learning Practices, to further enhance the teaching and learning process, integrate various methods of teaching and cater to the needs of diverse types of learners.

- It has been a continuous practice since the inception of the college and helps one to enrich the teaching style.
- All newly recruited faculty members undergo a faculty induction program organized by **PSG CARE** to get exposed to various teaching pedagogies and advanced **ICT tools**.
- All faculty members are encouraged to take up technical and teacher training programs, educational conferences, and online/offline courses.
- Microteaching serves as a pilot session for faculty members to explore and experiment with innovative approaches to teaching in the presence of expert teachers as millennials find the traditional chalk-and-talk method a monotonous one.
- Major expectations of the process include preparation of presentations, scaffolding handouts, quizzes for theory courses and proficiency in demonstrating an experiment individually, lab manual and typical viva questions preparation, explaining the relevance of experiments and demo videos for laboratory courses.
- The presentations are reviewed by the panel members in terms of knowledge, delivery, teaching skills and presentation for quality improvement purposes.
- Based on the panel feedback, faculty members experiment and practice different pedagogical strategies that are relevant to the course and the varying needs of the learners.
- Students' feedback like one-minute papers, mid and end-semester feedback, course-end survey, class-committee meetings, tutor-ward meetings, and faculty self-reflection reports are helpful in assessing the effectiveness of the tools deployed.
- The course file is audited by the audit committee for further improvement.
- Twenty of PSGiTech faculty have completed Eight module course conducted by National Institute of Technical Teachers and Research (NITTTR).

Evidence of Success

- Microteaching practice has yielded several tangible and intangible results.
- Improved efficiency and redefined standard of teaching and learning.
- Stimulated the faculty to do classroom research and publish educational research papers.
- Students gained a better understanding of the courses, and it improved their academic and placement performance.

Problems Encountered and Resources Required

- Syllabus completion is a time constraint.
- The selection of appropriate pedagogical method is subject to the instructor, course and students' competency.
- Infrastructure facilities for video and audio recording studios may be created.

Title of the Best Practice 2:

Industry-Academia Conclave as an Initiative for Symbiotic Growth

Objectives of the Practice

- To organize Industry Academia Conclave (IAC) as an initiative to understand and plan various activities that engage the faculty, industry experts, and students to work collaboratively with the help of the state-of-the-art-technologies.
- To bridge the gap that exists between academia and industry and address the challenges faced with mutual sharing of knowledge and resources.

The Context

The industry-Institute Interaction Cell (IIIC) organizes IAC every year to offer a space for students and industry experts to engage in dialogue regarding their work culture and expectations from engineering graduates, and mutually share the knowledge and resources required to address the challenges prevailing both in the industry and society. Apart from this, IIIC regularly organizes various activities and events.

The Practice

The Industry-Academia Conclave collaboratively organized by the IIIC and the respective engineering departments provides an avenue for planning the actions to be executed throughout the year.

During the conclave:

- The senior management meets with the industry people and necessary infrastructure enhancement activities are initiated.
- Programme Assessment Committees (PAC) along with the industry personnel plan for visiting industries, guest lectures, internships, and industry-based competitions, workshops for industries, value-added courses, consultancy, testing, research and development activities to be executed for the upcoming academic year.
- Students engage with the industry experts during the guest lectures and project exhibitions
- Student placement representatives and class representatives initiate requests for mock interviews, in-plant training, and placement opportunities.

Evidence of Success

Industry academia conclave has paved the way for networking and diverse benefits at the senior management level, department level and students' level.

- Several MoUs have been signed by the institution, various departments and external agencies/ industries and organizations.
- Faculty and students have been involved in various consultancy activities and projects in collaboration with industries.
- Training programmes for industry employees and faculty are being conducted on a regular basis.
- Several companies associated with the institution are providing internship opportunities, setting up labs, and training the faculty.
- Skill development programmes (like PMKVY) and technical workshops are also conducted to facilitate the necessary skills on demand.
- Curricular gap identification is done regularly, during the PAC and Department Advisory Committee (DAC) meetings and necessary workshops are conducted.
- Subject-based industry experts for guest lectures covering topics beyond the syllabus are invited and value-added courses are also taken up.
- Internships have helped the students in the placement process and the experience gives them a competitive edge to step into core and product companies and higher education options.

Problems Encountered and Resource Required

- There is time constraint in collaborative projects alongside academic workload for students and faculty. Allocating time and mentoring by the senior faculty members and the industry personnel helps complete the projects within time.
- All students cannot take part in industry-oriented activities, as it depends on the students' competency and their ability to balance time and academic work.
- Projects and funding for working in industry-led labs may be enhanced.
- Collaborative publications with the industry experts may be improved.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Transdisciplinary Research and Interdisciplinary Academia (TRIA), a distinct initiative of PSG Institute of Technology and Applied Research (PSG iTech), aspires to engage faculty and students in impactful research work for the larger benefit of the society.

PSG iTech's Transdisciplinary Research functions with a strong commitment by delving deep into need-based research work that not only identifies and addresses some of the global challenges faced by the industries and agriculturalists but impacts the stakeholders directly with a viable solution. PSG iTech engages in constructive dialogue with various industries through **Industry Institute Interaction Cell (IIIC)** to understand the prevailing gaps between the existing research and challenges encountered by the industry. Importantly, it envisions to design, develop, and deliver products that are useful to manage the challenges faced by the industries and agricultural society; it influences the modern ways of making products for the larger benefit of the community and environmental protection. With the support of various research-focused funding agencies across the country and by the management, research centers and laboratories like Research Centre for **Waste Valorization, Polymer Engineering Laboratory, and Nano-Crystal Design & Application Lab (NCDAL)** are established, and research work is carried out regularly by bringing Engineering and Science faculty together.

The **Research Centre for Waste Valorization** in PSG iTech, not only signifies the research culture embedded in the institution but its deep commitment to provide solutions for some of the pressing issues like stubble burning, foundry waste dumping, and effective management of toilet waste. With the support of government funding agencies such as DST and SERB, the gaps in the industry and community, regarding waste management, were filled by creating circularity in the solutions developed. A few such activities, at PSG iTech, are as follows: (i) Fertilizer industry and the farming community benefitted by the products developed from liquid waste streams, in which the principle of circular economy is applied. (ii) Construction industry and metallurgy industry are few industrial sectors that reap the maximum benefits from Transdisciplinary research by developing value-added products such as bricks, blocks, lightweight wall panels, and aggregates from the huge quantum of waste generated from agriculture and industry.

Polymer Engineering Laboratory is one such lab that is actively engaged in the development of polymeric materials for high-performance engineering applications. The research and development activities of the Polymer Engineering Lab include the development of thermoset matrices, synthesis of

non-toxic monomeric precursor, utilization of biomass based phenolic precursor to replace fossil fuel feedstock, development of low-temperature cure benzoxazines, and hybrid composites. Other significant activities of the lab involve fabrication of low dielectric polymeric and composite materials, coating of super-hydrophobic materials for corrosion resistant, oil-water separation and anti-icing, development of eco-friendly, biomass composites for acoustic absorption and hybrid electrode materials for energy storage applications.

In recent days, engineered Nano scale materials play a crucial role in the energy, environment, and medical field. **Nano-Crystal Design & Application Lab (NCDAL)** aims at designing nanoparticles with the required dimension, morphology, and size. Gram-scale synthesis of semiconducting, luminescent ceramics, and Bio-Nanomaterials are possible by using methods such as hydrothermal, co-precipitation, sol-gel, thermal decomposition, and hot injection. In addition to the synthesis facility, a cell culture laboratory is established, especially for cancer cells with incubation and imaging facilities as a part of the application of Nanomaterials.

PSG iTech's Interdisciplinary Academia comprises of the PASCO Center for Experiential Learning, the ILENSYS Product Application Center, and the PSG iTech Innovation Center. **The PASCO Center for Experiential Learning** provides students with hands-on experience in learning the fundamental concepts of engineering in a variety of fields. **The ILENSYS Product Application Center** enhances the students' comprehension of the operation of numerous engineering application products. These two experiential facilities enhance students' fundamental engineering knowledge and allow them to apply it to engineering projects at the **PSG iTech Innovation Center**. The Innovation Center encourages and provides a venue for aspiring engineers to conceptualize and simulate their project designs. After completing the design step, students proceed to create a functional prototype using in-house additive manufacturing equipment. Through in-house fabrication and assembly capabilities, students construct working-scale applications, followed by professionals. Students prepare their projects and submit them for national and international contests and events following the successful completion of their functional scale models.

With respect to interdisciplinary projects, PSG iTech provides necessary opportunities, guidance, support, and space for students to engage in various research activities to learn the 21st century skills like critical thinking, communication, collaborative skills, and marketing strategies. The Annual **Industry-Academia Conclave** helps in bringing industry personnel to interact with students to discuss the challenges prevailing in society. PSG iTech TRIA encourages students and faculty members to carefully choose projects and research work that add value to ongoing research and transform society with research-based solutions. From its inception, the college has been synonymous with research-related work and is keen on setting up an ecosystem that motivates students and faculty of all disciplines to work collaboratively and make a telling impact. The Innovation Centre, serves as a platform for students of various disciplines to develop, design and fabricate Electric Kart Vehicles (E-Kart), Next-Gen Mars Rovers, All-terrain and Unmanned vehicles. Besides experimenting with the knowledge and insights gained from respective disciplines, the interactive space allows every student in the college to participate in various state, national, and international level events such Smart India Hackathon networks not only with students from other institutions but with industry experts as well.

In short, PSG iTech TRIA assists our students and faculty members to approach the current challenges encountered by industries and involves them in need-based research projects for the greater benefit of society. Also, the ability to develop their interpersonal skills, lateral thinking, problem solving skills, project management, leadership, analytical, creative, and design thinking helps them become leaders,

entrepreneurs, and experts in their desired fields.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Future Plans

- To become an Autonomous Institution.
- To obtain a degree awarding University status.
- To include more international faculty and students.
- To have start-ups in PSGiTech campus established by iTech students

Concluding Remarks :

PSG Institution of Technology and Applied Research, with its landscaped gardens has first class instruction facilities, state of the art laboratories and Centers of Excellences. PSGiTech with an unending pursuit for excellence, while upholding strong values has come a long way – a path shown by the great visionary founders. The institution graduates and alumni are well known not just for their academic ability, but for their character and for their ability to solve key problems and to give back to society. PSGiTech encourages its graduates to use their education to better the society they live in.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																														
1.2.1	<p>Number of Add on /Certificate/Value added programs offered during the last five years</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :63</p> <p>Remark : as per the documents</p>																														
1.2.2	<p>Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years</p> <p>1.2.2.1. Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1169</td> <td>1188</td> <td>1200</td> <td>1235</td> <td>1237</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1169</td> <td>1188</td> <td>1200</td> <td>1235</td> <td>1237</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1169	1188	1200	1235	1237	2021-22	2020-21	2019-20	2018-19	2017-18	1169	1188	1200	1235	1237										
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1169	1188	1200	1235	1237																											
2.1.2	<p>Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>93</td> <td>106</td> <td>125</td> <td>126</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>93</td> <td>106</td> <td>125</td> <td>126</td> </tr> </tbody> </table> <p>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>135</td> <td>135</td> <td>135</td> <td>135</td> <td>135</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	103	93	106	125	126	2021-22	2020-21	2019-20	2018-19	2017-18	103	93	106	125	126	2021-22	2020-21	2019-20	2018-19	2017-18	135	135	135	135	135
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135	135	135	135	135																											

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
207	207	207	207	207

Remark : as per the documents

2.4.2 **Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)**

2.4.2.1. **Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
46	52	49	38	33

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
44	40	37	30	25

Remark : as per the documents

3.5.1 **Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

Answer before DVV Verification :

Answer After DVV Verification :19

Remark : 19 MoUs are active.

5.1.4 **The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. Any 2 of the above

Remark : as per the documents

5.2.1 **Percentage of placement of outgoing students and students progressing to higher education**

during the last five years

5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
286	290	283	268	280

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
286	290	283	268	280

5.2.1.2. Number of outgoing students year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
325	348	333	341	340

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
320	349	323	319	331

Remark : as per the documents

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

5.2.2.1. Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	25	25	30	23

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	25	25	30	23

5.2.2.2. Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	25	25	30	23

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
320	349	323	319	331

Remark : As no supporting document is given here for 5.2.2.2, the number of passed students given 2.6.2.1 is taken as per advice.

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
9	6	13	15	16

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4	6	9	9	11

Remark : as per the documents

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
26	10	61	53	55

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
24	08	38	40	41

Remark : as per the documents

2.Extended Profile Deviations

Extended Profile Deviations

No Deviations
